



*Filter Elements,
Filter Housings,
Quick Couplings
& Fittings*

2020

wolftechnik  **Filtersysteme**
It's crystal clear.



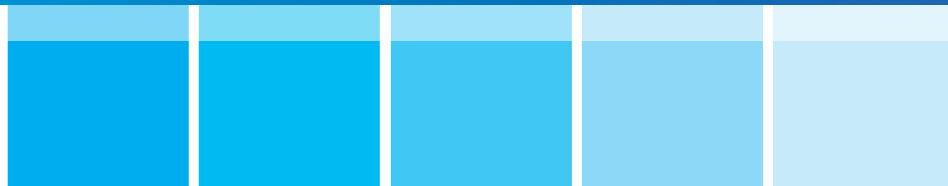
wolftechnik Filtersysteme



It's crystal clear.

„We are committed to transparency, openness and doing business in the spirit of partnership. You can count on 'Wolftechnik Filter Systems' to provide you with lasting top value – thanks to our products and our employees, who work with your benefits in mind.“

Peter Krause, Managing Director
wolftechnik Filtersysteme GmbH & Co. KG

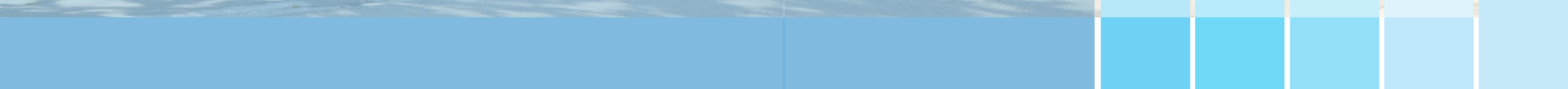




wolftechnik Filtersysteme



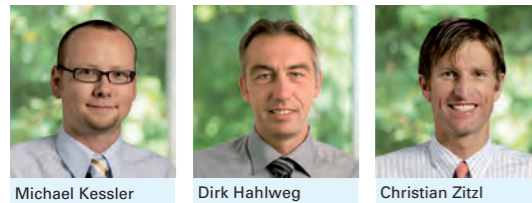
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from left to right:
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Georg Hudy, Engineering.
Peter Krause, Managing Director.
Michael Kessler, Sales.
Julia Schaal, Verkauf.



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To be able to provide you with the best and most comprehensive service, we are organised in teams, each of which consists of excellently trained experts for purchasing and order fulfilment, technical field consultants, and specialists for engineering, administration and logistics. In this way you can rely on each of our teams to deliver perfect quality in a most responsive and competent manner.

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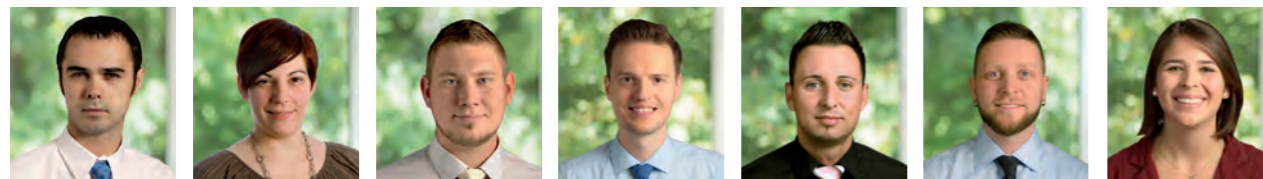
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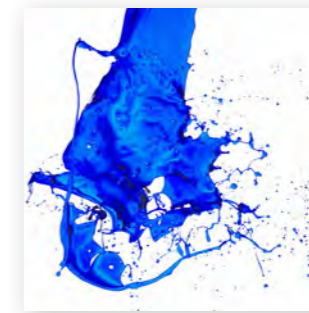
If so, you've found the right partner in Wolftechnik Filtersysteme.

Wolftechnik has been specializing in filter systems for removal of solids out of liquids since 1966. Several teams of highly trained employees take care in meeting your wishes and making sure you benefit from our innovations. When you do business with Wolftechnik Filtersysteme, you'll discover that our actions are driven by the desire to optimally meet your requirements.



Food & Beverages

- Prefilter for removal of solids from sugar syrup
- Quick couplings and fittings for food and beverage dispensing equipment in restaurants etc.
- Sterile vent filters for storage tanks and fermenters
- Sterile filters for removing organic impurities



Chemicals, Paints & Cosmetics

- Endfilters for bottling of boy lotions, hair sprays and nail polish
- Self-cleaning and cleanable filters for delivering raw materials
- Depth filters for removing colloidal impurities from coatings
- Process filters for manufacturing of chemical products



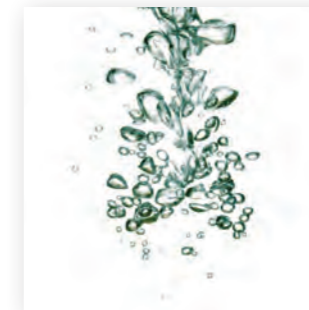
Medical & Analytics

- Protective filters for sensors and analysis equipment
- Fine filters for preparing dialysis water
- Quick couplings and fittings for medical equipment
- Safety filters for retaining catalysts



Water & Purification

- Centrifugal separators for degreasing baths in parts cleaning systems
- Finefilter for rinsing processes in parts cleaning plants
- Prefilters for reverse osmosis systems and ion exchangers
- Activated carbon filters for reducing odor and taste substances



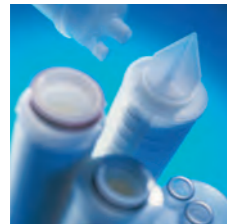
Electronics & Optics

- Ultrapure water filters for rinsing baths for electronic components
- Membrane filters for cleaning photovoltaic cells
- Fine filters for UV coatings for CDs and DVDs
- Classification filters for chemical-mechanical polishing of optical lenses



1. Depth Filters – nominal and absolute		12 - 35
Depth filter cartridges, nominal		
WPP und WBW	Wound cartridges made of polypropylene or cotton	14
ProBond	Rolled filter cartridges made of phenolic resin with acrylic fiber	16
WFMB	Melt-blow cartridges made of polypropylene	18
WFNMB	Melt-blow cartridges made of nylon	20
CP2	Depth filter made of PP-Bi-component-fibers	22 NEW
CP	Classification cartridges with PP/PE bi-component fiber	24
CPH	Melt-blow cartridges made of polyester	26
AS	Depth filter cartridge with 3D filter structure	28 NEW

Depth filter cartridges, absolute		
WFMB	Melt-blow cartridges made of polypropylene	30
BM	BM-Depth filter cartridge made of ultrafine PP-Bi-component-fibers	32 NEW
QP	Quick-Pack filter system	34 NEW



2. Pleated & Membrane Filter Cartridges		38 - 55
Pleated cartridges		
ECP	Cellulose-polyester pleated cartridges, nominal	40
WFPPA	Polypropylene pleated cartridges, absolute	42
WFPPF	PP-Food-Pleated, absolute	44
WFMLP	Multi-layered pleated cartridges, absolute	46
WGFAP	Glass-fiber pleated cartridges, absolute	48

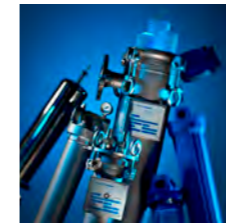
Membrane filter cartridges		
WFPE	Polyethersulfone membrane filter cartridges	50
WFPTFE	PTFE membrane filter cartridges	52
WF	Junior Elements	54
WF-Capsule	Capsule made of Polypropylene	56



3. Activated Carbon Filters		58 - 69
GAC	Granular Activated Carbon with 20 µm postfilter, axial flow	60
CBC	Activated Carbon Block, filter rating 0.5 µm, radial flow	62
EP	Activated Carbon Block, filter rating 5 µm, radial flow	64
EPM	Activated Carbon Block, filter rating 10 µm, radial flow	66
WFAK	WFAK Activated Carbon Block, filter rating 5 µm, radial flow	68



4. Sieve Filters, cleanable		70 - 81
F40-sieve cartridges	Nylon screen, cylindrical	72
MS-stainless steel cartridges	Stainless steel screen, cylindrical screen cartridges	74
PD-MS-stainless steel cartridges	Stainless steel screen, pleated	76
SRF-wedge wire cartridges	Wedge wire element, cylindrical	78
WFMK-magnetic filter cartridges	for cartridge filter housings	80



5. Cartridge Filter Housings		82 - 153
Plastic Housings		
WT housing and -elements	housing and -elements ¼" to ¾"	84 NEW
WJ-Junior-PP-PVDF	Miniature housings and elements ¼" to ¾"	88
01WTKF plastic housings	Standard housings, ¼" to 1½"	92
AVPP housings	Various Series, ¼" to 1½"	96
01WTBE-PP housings	Aeration and ventilation housing made of polypropylene	100
PP- und PVDF housings	Multiple housings, DN40 to DN100	104
FA-Filter systems	Ready-to-use filter systems with pump	108

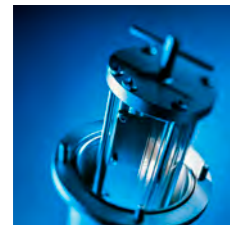
Stainless steel housings		
WJ housings	Junior housing, ½"	110
01WTGD housings	with round threads and pluggable center post	114
01WTAF-housings	Hangig v-clamp housings 1"	118
03WT housings	Hanging v-clamp housings 1½"	122
WTSD housings	Cartridge filter housings with stud bolt and flat cover	126
WTGD housings	Cartridge filter housings with casted, hinged cover	130
WTGDS housings	Cartridge filter housings with hinged cover and socket	136 NEW
WD housings	AD2000-compliant housings DN40 to DN200	140
WS housings	Sanitary housings DN25 to DN50	144 NEW
WTHKE	Cartridge filter housings with hangig cartridges	148 NEW



6. High-Flow-Elements		154 - 173
WFHFF	High Flow-Pleated Cartridge	156 NEW
WFHFC	High Flow-Pleated Cartridge with multi-layer-structure	158 NEW
CLC-Lenticular filter elements		160 NEW
WP-Layer filter housings		162
WTHF	High-Flow-Housing out of stainless steel	166
WTFH150	WTFH150-High-Flow-Housing out of stainless steel	170 NEW
WTFRP150	High-Flow-Housing out of plastic	170



7. Bag Filters and Strainer Baskets			174 - 219
Stainless Steel Housings			
WTBF-GD	with casted, hinged Cover		176
WTBF-GDS	with hinged cover and socket		180 NEW
WTBF-SB	with stud bolt and removable cover		184
DWTBF	Double-bag filter housing with switch between the two		188
4WTBF	4-part bag filter housing		192
WTBKF	Combo housing for filter bags and filter cartridges		196 NEW
Plastic Housings			
PBH	Inline housing		200
WTBF-PP/-PVDF	with stud bolt and removable cover		204
Filter Bags, LUPUS®II, Strainer baskets, Magnet inserts			
WFB-Filter bags, nominal	PO, PE, NMO		208 NEW
WFB-2IP	Double-layer filter bag with internal pleats		210 NEW
WFB-1AP	Single layer pleated filter bag with NMO-support		212 NEW
LUPUS®II-Filter elements	Depth filters and pleated filters for bag filter housings		214
WTBF-Sieve baskets	Stainless steel sieve mesh or perforated sheeting		216
WTBF 40/85-Magnet inserts	Magnet inserts for ferrite particles		218



8. Self-Cleaning Filters			220 - 227
AS AS 50/2	Filter area	240 cm ²	222
AS70	Filter area	415 cm ²	222
AS110	Filter area	695 cm ²	222
AS175	Filter area	1055 cm ²	222
WTSRF 130-1	Filter area	695 cm ²	224 NEW
130-2	Filter area	1390 cm ²	224 NEW
130-3	Filter area	2085 cm ²	224 NEW



9. Centrifugal Separators		228 - 249
WTZA	General Description	230
WTEZA	Compact, closed functional unit	232
WTDZA	with removable cover	234
WTFZA	with flanged outlet pipe	236

Additional components		
WTAA Automatic discharge device. From ¾" up to 1½"		240
TBF-Drop centre paper band filter with automatic paper transport		242 NEW
WV Filter Fleece Rolls for Belt Filter Systems		244 NEW
UVF Universal belt filter with automatic fleece transport		248 NEW



10. Quick Couplings & Fittings		250 - 333
10.1 CPC-quick couplings	To connect plastic tubes	252 NEW
10.2 DMfit-tube connectors	Tube connectors made of plastic	302
10.3 EJ-Fittings	Products made of natural plastics	316
10.4 TEF-threaded fittings	Screw-able plastic fittings	330

General Information		334
Information from Wolftechnik		334
Publishing Information		335

1. Depth Filters, nominal and absolute

A wide range of filter elements made of different materials and with different retention rates and capacities can be used to remove impurities from fluids. Generally speaking, depth filter cartridges are better-suited for clarification than surface filters such as sieves,

strainers and screens, which are more appropriate for classification.

Depth filter cartridges with nominal efficiencies are used as prefilters or to remove general impurities and turbidity. Depth filter cartridges with absolute efficiencies have their

applications in more demanding filtration processes and as safety filters.

Depth filter cartridges, nominal



WPP und WBW

Wound cartridges made of polypropylene or cotton



ProBond

Rolled filter cartridges made of phenolic resin with acrylic fiber



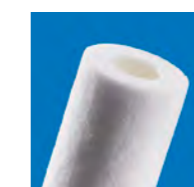
WFMB

Melt-blow cartridges made of polypropylene



WFNMB

Melt-blow cartridges made of nylon



NEW

CP2

Depth filter made of PP-Bi-component-fibers



CP

Classification cartridges with PP/PE bi-component fiber



CPH

Melt-blow cartridges made of polyester



NEW

AS

Depth filter cartridge with 3D filter structure

Depth filter cartridges, absolute



WFMB A

Melt-blow cartridges made of polypropylene



NEW

BM

Depth filter made of ultrafine PP-Bi-component-fibers

Quick-Pack filter system



NEW

QP

QP-Quick-Pack filter system with protective bag



WTQP-Housing

Stainless steel filter housings for Quick-Pack filter system

Depth Filters, nominal



Depth filters made from a continuous fibre yarn wound around the core support

The filter cartridges consist of a continuous fibre yarn, which is wound around a fixed core support. This resulting yarn-structure forms the filter layer with a corresponding layer-thickness and depth-filter effect. Due to the use of various wondering techniques, different thickness of yarn and tractive force during winding, the filter cartridges can be produced with a variety of fine filter rations. Generally speaking, filter cartridges can be manufactured from all available materials in regard to yarn and core, in which the combination of a polypropylene yarn and polypropylene core in WPP filter cartridges has demonstrated the best results in the filtration application of aqueous mediums, acids, lyes and fine chemicals.

The yarn/core-combination of the WBW filter cartridge made of cotton on a stainless steel core is, in comparison, mainly used to filter solvents or cooling water condensate; in other words they are applied where technical operational requirements such as chemical resistance or temperatures > 90 °C exclude the use of polypropylene filter cartridges. Filter cartridges made of other materials such as glass fibre, polyester or nylon can be delivered custom-made on request.

WPP wound cartridge, nominal WBW wound cartridge, nominal

Technical data

Material WPP:	Polypropylene with core support made of polypropylene
Material WBW:	Cotton with core support made of stainless steel
Filter ration:	1 µm to 200 µm
Temperature:	WPP: max. 90 °C WBW: max. 120°C
Differential pressure:	Max. 2.5 bar
Dimensions:	Internal diameter: 28 mm External diameter: 62 mm Length: 4 7/8" – 40"
Adapter configurations:	DOE: without adapter Code 3F: 222/Flat Code 8S: 222/Fin Code 7S: 226/Fin
O-ring material for adapter:	NBR = Standard, optional EPDM, Silicone, Viton Viton FEP-encapsulated

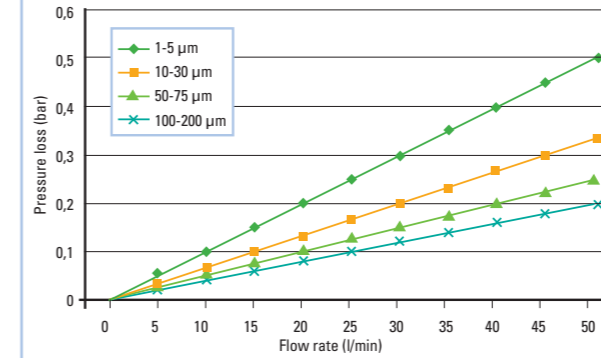
Applications

- Pre-filter for water treatment plants
- Suspended substance filter for well water
- Fine filters for cooling circuits
- Dirt filters for wash water
- Circulation filters for cleaning and degreasing baths
- Process filters for acids and lyes
- Fine filters for photo chemicals

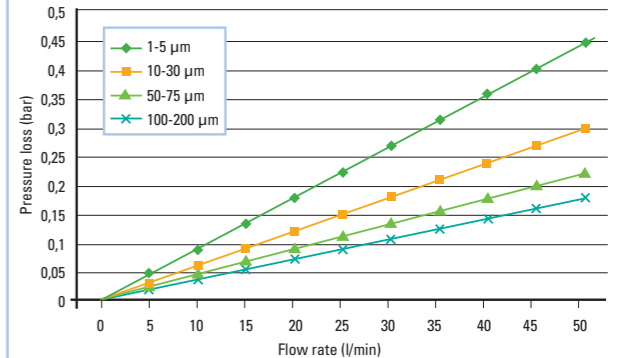
Features and Benefits

- 1 µm to 200 µm micron rating
- FDA-tested polypropylene material
- Lengths of 4 7/8" – 40"
- PP yarn also in washed version
- Various yarn/core materials
- All current adapter types deliverable
- High flow rates, low differential pressures

WPP wound cartridge, nominal
flow rate in reference to 10" (water)



WBW wound cartridge, nominal
flow rate in reference to 10" (water)



Adapter Configurations



	WPP	010	P	093/4	B3F	G
		Filter ration	Core material	Filter length	Sealing compound/Adapter	Options
WPP: Polypropylene thread	001	1 µm	P Polypropylene	04 4" 102 mm	B Buna	G Washed
	003	3 µm	L V2A	05 5" 127 mm	V Viton	050 Ø 50 mm
	005	5 µm	T V4A	09 ¾ 9 ¾" 248 mm	E EPDM	110 Ø 110 mm
	010	10 µm		10 10" 254 mm	S Silicone	
	020	20 µm		19 ½ 19 ½" 496 mm	F FEP	
	025	25 µm		20 20" 508 mm		
	030	30 µm		29 ¼ 29 ¼" 744 mm	3F Code 0	
	050	50 µm		30 30" 762 mm	7S Code 7	
	075	75 µm		39 39" 992 mm	3S Code 5	
	100	100 µm		40 40" 1016 mm	- DOE	
WBW: Cotton thread	150	150 µm		Special lengths per request	EXT Core extended	
	200	200 µm				



Surface (Wounding of cartridge)

Depth filter, nominal

Depth filters made of phenolic-resin with acrylic fibers

The ProBond Depth filter cartridge with a nominal filtration rate has a two-stage construction. An outer, spiral-form filter-layer, serves as a pre-filter. The inner, finer filter layer define the actual filter ration. Due to the use of long, phenolic-resin impregnated acrylic fibers the ProBond possesses a stable filter structure and permits construction without a core support. ProBond Depth filter cartridges contain no silicon and are therefore especially suited for simple filtration uses or pre-filter applications of paints and varnishes. The two-stage construction as well as the depth filter configuration guarantees a long service life, high dirt-retention capacity and low differential pressure.



ProBond phenolic-resin cartridge,
nominal

Technical data

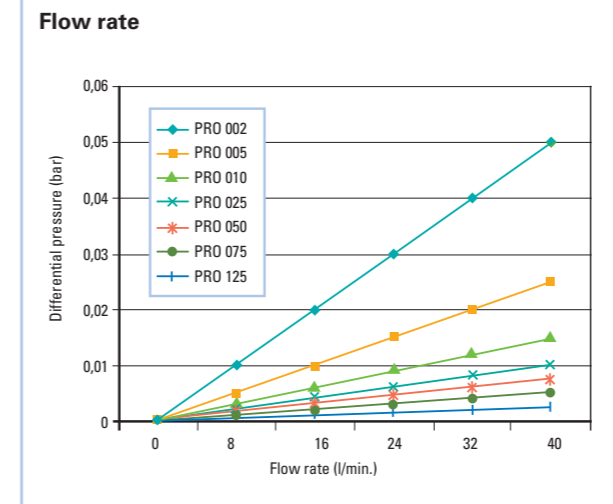
Filter medium:	Phenolic-resin with acrylic fibres
Core support:	–
Adapter and end caps:	–
Filter ration:	2 – 125 µm
Temperature:	Max. 121 °C
Differential pressure:	Max. 10 bar at 21 °C Max. 1.7 bar at 121 °C
	Filter change recommended at 3.5 bar
Dimensions:	Internal diameter 28.5 mm External diameter 65 mm Lengths 4 7/8" – 40"

Applications

- Paints & varnishes
- Inks
- Magnet-dispersion agents
- Adhesives
- Polymers ,Synthetic and natural resins
- Organic solvents
- Softening agents

Features and Benefits

- Depth filter containing no silicone and without a supporting core
- Two-stage construction including pre-filter and post-filter
- High-grade, long fibrous acrylic material
- Phenolic-resin-bound, consistent filter structure
- High dirt-retention capacity
- Low differential pressure, high flow rate



Order information

PRO-	005	-20	
	Filter ration in µm	Length in inch	mm
ProBond phenolic- resin cartridge	002:	2 µm	4 7/8": 124 mm
	005:	5 µm	5": 127 mm
	010:	10 µm	9 3/4": 248 mm
	025:	25 µm	10": 254 mm
	050:	50 µm	19 1/2": 496 mm
	075:	75 µm	20": 508 mm
	125:	125 µm	29 1/4": 744 mm
			30": 762 mm
			39": 992 mm
			40": 1016 mm

Depth Filters, nominal

Depth filter with 4 filter layers made entirely of polypropylene

The WFMB melt-blow cartridge is manufactured in the melt-blow process where-by four different spray nozzles are used to combine fine and coarse continuous fibers to form a multilayer structure. The fine layers are situated on the inside of the depth filter structure; the coarse layers on the outside. Due to this four-level gradation coarse particles are retained in the outer layers and finer particles in the inner layers. This construction ensures a long service life, high dirt-retention capacity and low differential pressures. The WFMB melt-blow cartridge can be delivered optionally with open ends on both sides or with the standard adapter constructions.



WFMB Melt-blow cartridge

Technical data

Filter medium:	100 % polypropylene
Core support:	-
Adapter and end caps:	Polypropylene
Filter ration:	0.5 – 100 µm nominal
Temperature:	Max. 80 °C
Differential pressure:	Max. 3.2 bar at 20 °C Max. 1.8 bar at 60 °C
	Filter change recommended at 1.5 bar
Dimensions:	Internal diameter 28 mm
	External diameter:
	Standard version: 63 mm
	Big version: 110 mm
	Lengths 4 7/8" – 40"

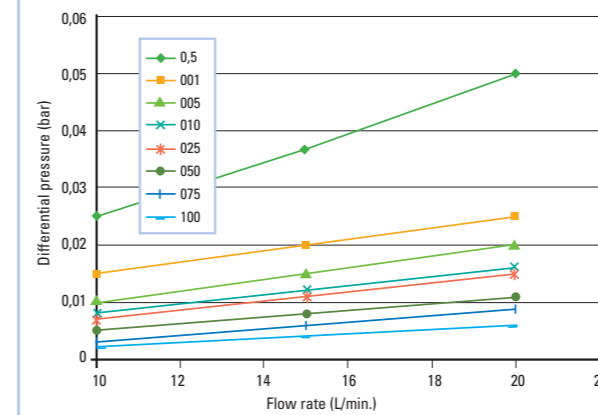
Applications

- Fine filters for cooling circuits
- Pre-filters for RO+DI water treatment
- Acid and lye filtration in the electronic industry
- Photo chemicals
- Rinsing baths in semi purification plants
- Light viscose fluids
- Fine filters for vegetable oil

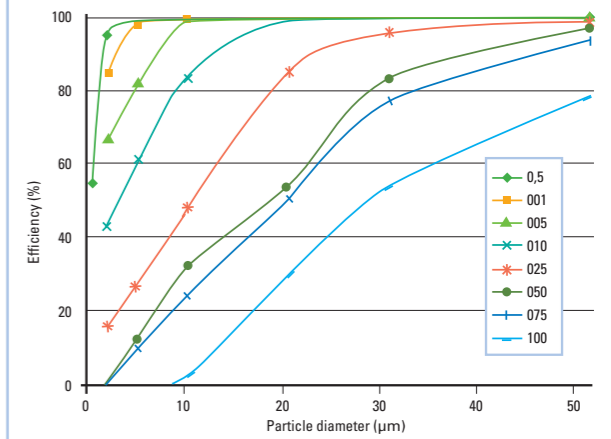
Features and Benefits

- 4-layered construction from coarse to fine
- 100 % polypropylene
- Contains no binding agent or adhesive
- Melt-blow continuous fiber, thermally bound
- Long service life, high dirt-retention capacity
- Low differential pressure
- DOE or with Adapter Code 0, Code 5, Code 7, Code 8
- Big version with outer Ø 110 mm
- NSF42 and FDA CFR 21 Certificate
- Food Contact Declaration
- REACH-Declaration
- RoHS-Declaration

Flow rate Values in reference to 10" element



Efficiency (%)



Adapter Configuration



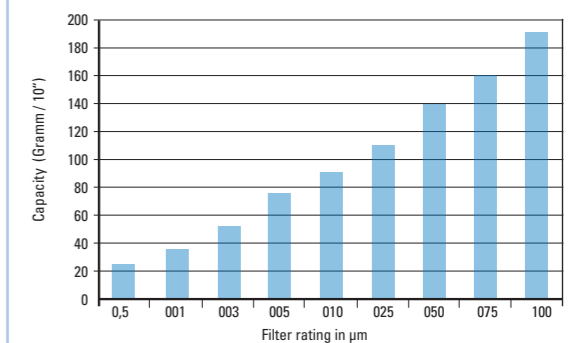
WFMB	-005	-20	-E	-0
	Filter ration in µm	Length in inch	Sealing compound	Adapter
WFMB-Melt-blow-cartridge	0.5:	0,5 µm	4 7/8: 124 mm	-: DOE without seals
	001:	1 µm	5: 127 mm	E: EPDM
	003:	3 µm	9 3/4: 248 mm	B: NBR
	005:	5 µm	10: 254 mm	S: Silikon
	010:	10 µm	19 1/2: 496 mm	V: Viton
	025:	25 µm	20: 508 mm	F: Viton-FEP-encapsulated
	050:	50 µm	29 1/4: 744 mm	- Big: DOE without seals
	075:	75 µm	30: 762 mm	With outer Ø 110mm
	100:	100 µm	39: 992 mm	
			40: 1016 mm	
				Adapter
				-: DOE without adapter
				-0: 222/Cap
				-5: 222/Fin
				-7: 226/Fin
				-B: 213/Cap

Assembly



Dirt retention with testing dust (coarse)

Values in reference to 10" element



Depth Filters, nominal

Depth filter cartridge made entirely of nylon

The WFNMB nylon melt-blow cartridge has a very stable filter matrix and is manufactured in the meltblow process. The WFNMB is built up with a step-like configuration of decreasing pore-structure from the outside to the inside and contains a nylon core support. This assures the stability of the WFNMB in very high temperatures as well as in mediums with a high viscosity. The special chemical resistance of nylon in particular allows its use for solvents, paints and varnishes. The WFNMB nylon melt-blow cartridge can be delivered optionally with open ends on both sides or with the standard adapter constructions. The depth filter structure ensures a long service life, high dirt-retention capacity and low differential pressures.



WFNMB Nylon melt-blowcartridges

Technical data

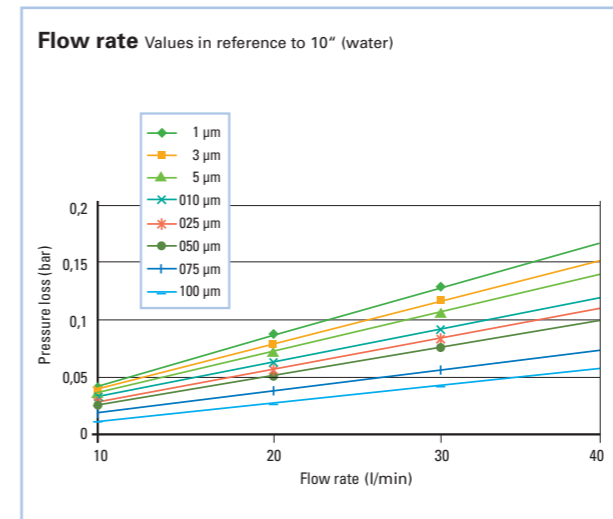
Filter medium:	100 % nylon
Core support:	100 % nylon
Adapter:	100 % nylon
Filter ration:	1 – 100 µm
Temperature:	Max. 120 °C
Differential pressure:	Max. 4.2 bar at 20 °C Max. 1.2 bar at 120 °C
	Filter change recommended at 2.0 bar
Dimensions:	Internal diameter 28 mm External diameter standard version: 63 mm Big version: 110 mm Lengths 4 7/8" – 40"

Applications

- Paints and varnishes
- Solvents
- Adhesives
- Synthetic and natural resins
- Polymers
- Softening agents
- Degreasing agents
- Processing baths
- Food and Beverages

Features and Benefits

- Depth filter made entirely of nylon
- Stable internal supporting core made of nylon
- Nylon Adapter Code 0, Code 5, Code 7, Code B or DOE
- Thermally bound continuous fibers
- Contains no Silicone, binding agent or adhesive
- Long service life, high dirt-retention capacity
- Low differential pressure, high flow rate capacity
- Food Contact Declaration
- REACH-Declaration
- RoHS-Declaration



Efficiency (%)

filter cartridge	particle size	efficiency (%)
WFNMB001	2 µm	>90%
WFNMB003	3 µm	>90%
WFNMB005	5 µm	>90%
WFNMB010	10 µm	>90%
WFNMB025	25 µm	>90%
WFNMB050	50 µm	>90%
WFNMB075	75 µm	>90%
WFNMB100	100 µm	>90%



Order information

WFNMB	Filter ration in µm	Length in inch	Sealing compound	Adapter	
WFNMB: Nylon Melt-blow cartridge	001: 1 µm	4 7/8: 124 mm	-: without	-: DOE mit Endkappen	
	003: 3 µm	5: 127 mm	E: EPDM	-0: 222/Cap	
	005: 5 µm	9¾: 248 mm	B: NBR	-5: 222/Fin	
	010: 10 µm	10: 254 mm	S: Silicone	-7: 226/Fin	
	025: 25 µm	19½: 496 mm	V: Viton	-B: 213/Cap	
	050: 50 µm	20: 508 mm	F: Viton-FEP-encapsulated		
	075: 75 µm	29¼: 744 mm			
	100: 100 µm	30: 762 mm			
			39: 992 mm		
			40: 1016 mm		

CP2- Depth filter cartridge, nominal

Depth filter made of PP-Bi-component-fibers

The CP2 – Depth filter cartridge consists of 100% Polypropylene-Bi-component-fibers which are thermally bonded together at their cross points. The attained ultra pure and exceptionally compact filter matrix assures a repetitious accuracy of filtration characteristics for top quality applications. The CP2-depth filter cartridge is a typical clarification cartridge with a graded density pore structure and finer filter ration from the outside to the inside. The stable depth filter structure assures high flow rate and a long service life without loss in particle retention efficiency even at high ranges of differential pressure.

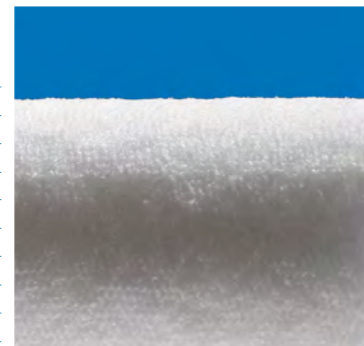


CP2- Depth filter cartridge, nominal

NEW

Technical data

Filter medium:	100% Polypropylene-Bi-componenten-fiber
Core support:	-
Adapter and end caps:	Polypropylene
Filter ration:	1 - 350 µm, nominal
Temperature:	max. 80°C
Differential pressure:	max. 5.5 bar at 20°C max. 2.5 bar at 80°C Recommended filter exchange at 1.5 bar
Dimensions:	Internal diameter 30 mm External diameter 62 mm Lengths 4 7/8" - 40"

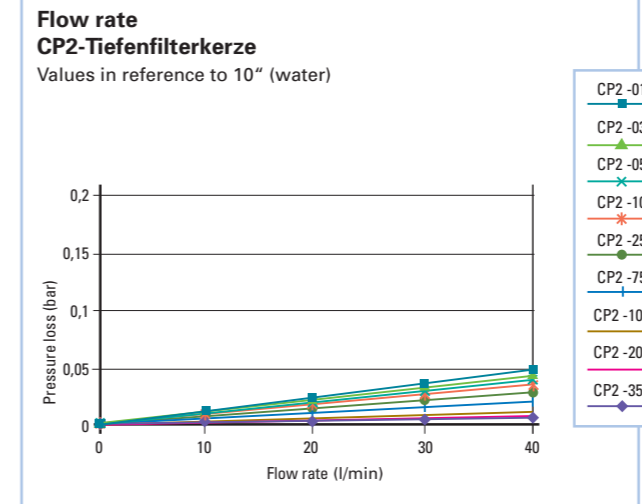


Applications

- Varnishes, paints and inks
- Fine chemicals
- Solvents
- Acids and lyes
- Cosmetics
- Ultrapure water
- Food and beverages

Features and Benefits

- Compact filter matrix due to PP-Bi-component-fibers
- Fibers thermally bonded at the cross points
- From outside to inside graded density pore structure
- No loss of fibers
- No use of binding agents
- Wide chemical compatibility
- Low differential pressure, high flow rate
- Long filter service life
- Stable particle retention efficiency even at high ranges of differential pressure
- Food contact declaration
- RoHS-Declaration



Efficiency (%)

	10µm	15µm	20µm	25µm	30µm	35µm	40µm	45µm	50µm	60µm	70µm
CP2 - 01	95.7	99.9<									
CP2 - 03	79.7	96.2	99.7	99.9<							
CP2 - 05	79.0	95.0	99.0	99.7	99.9<						
CP2 - 10		79.6	93.3	98.5	99.7	99.9<					
CP2 - 25			77.3	88.7	95.1	98.7	99.7	99.9<			
CP2 - 50					81.2	88.5	94.8	97.5	98.8	99.8	99.9<
	50µm	60µm	70µm	80µm	90µm	100µm	125µm	150µm	175µm	200µm	350µm
CP2 - 75	90.1	96.6	99.1	99.9	99.9<						
CP2 - 100			82.7	87.3	92.1	95.4	99.9<				
CP2 - 200						84.7	95.0	98.0	99.9<		
CP2 - 350								95.0	98.0	99.9<	

Adapter configurations



Order information

CP2	-10	-248	-0
	Filter ration in µm	Lenght in mm (inch)	Sealing compound
CP2- Filter cartridge	--01: 1µm	124 mm 4 7/8"	O: without
	--03: 3 µm	127 mm 5"	
	--05: 5 µm	248 mm 9¾"	E: EPDM
	--10: 10 µm	254 mm 10"	V: FKM
	--25: 25 µm	496 mm 19½"	S: Silicone
	--50: 50 µm	508 mm 20"	F: Viton-FEP-encapsulated
	--75: 75 µm	744 mm 29¼"	
	-100: 100 µm	762 mm 30"	
	-200: 200 µm	992 mm 39"	
-350: 350 µm	1016 mm 40"		
			Adapter
			- : DOE without adapter
			-3: 222/Cap
			-8: 222/Fin
			-7: 226/Fin

CP Depth filter, nominal



Depth filter cartridges with a constant perforation structure made of PE-coated PP fiber

The CP Depth filter cartridge consists of 100 % polyethylene-coated polypropylene fiber soldered together at their cross points. The attained ultrapure and exceptionally compact filter matrix assures a repetitious accuracy of filtration characteristics for top quality applications. The CP Depth filter cartridge is a typical classification cartridge with a consistent pore-structure and filter ration from the outside to the inside. In addition the depth filter structure assures a high flow rate and long service life.

CP Depth filter cartridge, nominal

Technical data

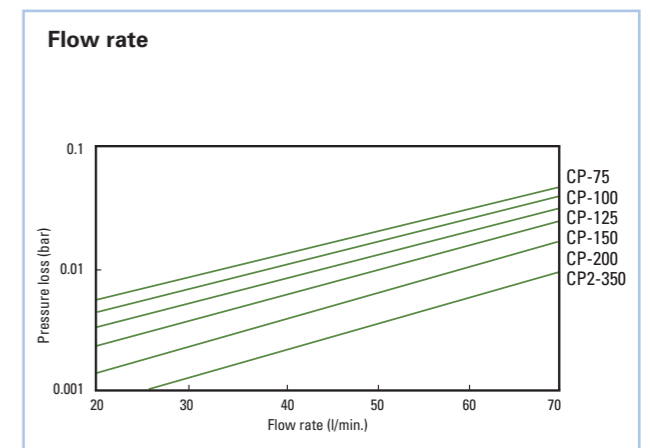
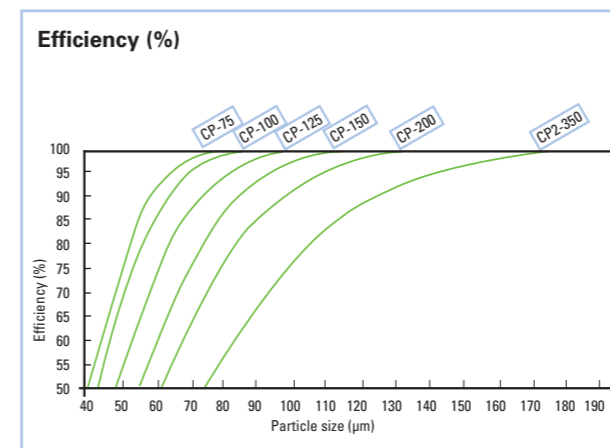
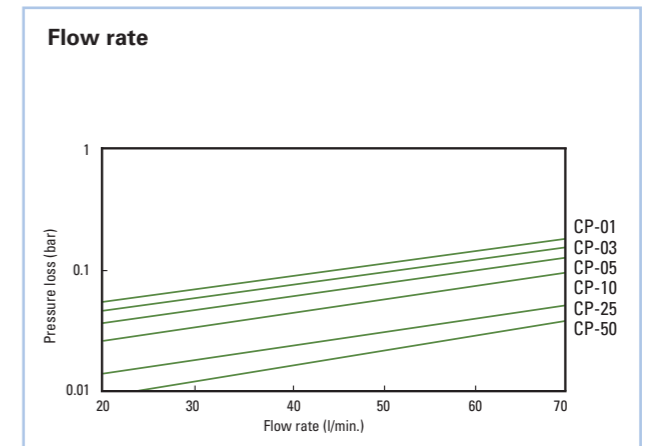
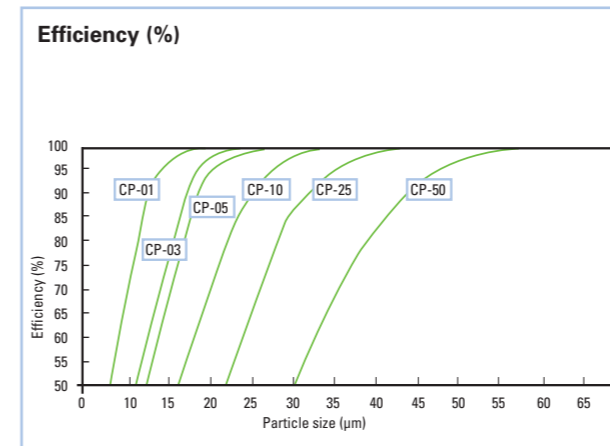
Filter medium:	100 % Polypropylene, Polyethylene coated
Core support:	-
Adapter and end caps:	Polypropylene
Filter ration:	1 – 350 µm, nominal
Temperature:	Max. 80 °C
Differential pressure:	Max. 5.5 bar at 20 °C Max. 2.5 bar at 80 °C
	Filter change recommended at 1.5 bar
Dimensions:	Internal diameter 28 mm External diameter standard version: 63 mm Big version: 110 mm Lengths 4 7/8" – 40"

Applications

- Varnishes, paints and inks
- Magnet-dispersion agents
- Fine chemicals
- Solvents
- Acids and lyes
- Cosmetics
- Ultrapure water
- Food and Beverages

Features and Benefits

- Consistent pore-structure
- Compact filter matrix due to the PE/PP threads
- Thermally affixed threads
- No thread loss
- No use of binding agents
- Extensive chemical durability
- Low pressure loss, high flow rate
- Long filter service life
- FDA-Certificate
- Food Contact Declaration
- REACH-Declaration
- RoHS-Declaration



Order information

CP	--10	-248	-E	-O
	Filter ration in µm	Length in mm	Sealing compound	Adapter
	--01: 1 µm	124 mm (4 7/8")	O: Without	-. DOE (Version O and P)
	--03: 3 µm	127 mm (5")	P: PE Flat seal (gasket)	-3: 222/Cap
	--05: 5 µm	248 mm (9 3/4")	E: EPDM	-8: 222/Fin
	--10: 10 µm	254 mm (10")	V: FKM	-7: 226/Fin
	--25: 25 µm	496 mm (19 1/2")	S: Silicone	
	--50: 50 µm	508 mm (20")	F: Viton-FEP-encapsulated	
	--75: 75 µm	744 mm (29 1/4")		
	-100: 100 µm	762 mm (30")		
	-125: 125 µm	992 mm (39")		
	-150: 150 µm	1016 mm (40")		
	-200: 200 µm			
	CP2-350: 350 µm			

CPH Depth filter, nominal

Depth filter made of polyester

The CPH Depth filter cartridge consists of 100 % polyester fibres, therefore retaining an excellent chemical resistance to solvents. The thermal durability ranges to 120 °C. The CPH Depth filter cartridge is equipped with an ultrapure and exceptionally compact filter matrix and guarantees repeatable filter characteristics for high quality applications. CPH Depth filter cartridges can also be delivered with an adapter and end caps made of polyester Code 3, Code 8 and Code 7. Additional outstanding CPH Depth filter cartridge characteristics are a high flow rate as well as a long service life.



CPH Depth filter cartridge, nominal

Technical data

Filter medium:	100 % Polyester fibres
Core support:	–
Adapter and end caps:	Polyester
Filter ration:	1 – 50 µm, nominal
Temperature:	Max. 120 °C
Differential pressure:	Max. 5.5 bar at 20 °C Max. 2.5 bar at 80 °C Filter change recommended at 1.5 bar
Dimensions:	Internal diameter 28 mm External diameter 68 mm Lengths 4 7/8" – 40"

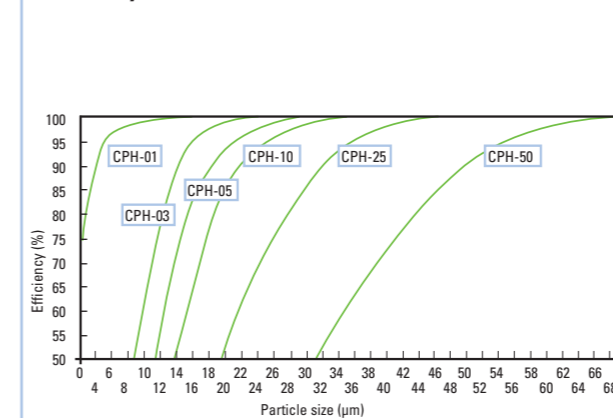
Applications

- Solvents
- Varnishes, paints and inks
- Magnet-dispersion agents
- Hot water > 80 °C
- Fine chemicals
- Cosmetics
- Food and Beverages

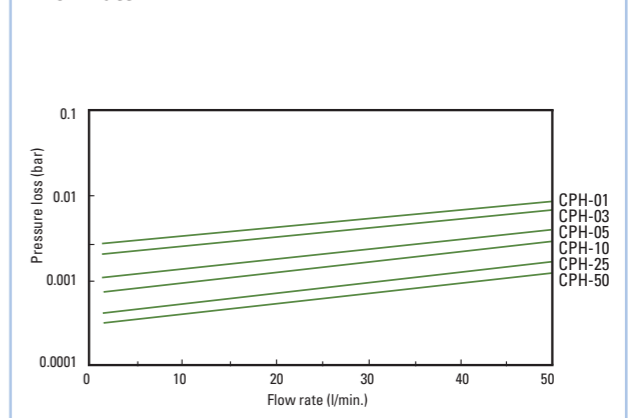
Characteristics and Advantages

- 100 % Polyester
- Polyester adapter and end caps Code 3, Code 8, Code 7 deliverable
- Excellent solvent durability
- High temperature durability
- Compact filter matrix due to polyester fibres
- No use of binding agents
- Low pressure loss, high flow capacity
- Long filter service life
- Food Contact Declaration
- RoHS-Declaration

Efficiency (%)



Flow rate



Adapter Configurations



Order information

CPH	-10	-248	-0	
	Filter ration in µm	Length in mm	Sealing compound	Adapter
CPH Depth-filter cartridge	-01: 1 µm	124 mm (4 7/8")	-O: DOE	-: DOE (Version O)
	-03: 3 µm	127 mm (5")	E: EPDM	-3: 222/Cap
	-05: 5 µm	248 mm (9 3/4")	V: FKM	-8: 222/Fin
	-10: 10 µm	254 mm (10")	S: Silicone	-7: 226/Fin
	-25: 25 µm	496 mm (19 1/2")	F: Viton-FEP-encapsulated	
	-50: 50 µm	508 mm (20")		
		744 mm (29 1/4")		
		762 mm (30")		
		992 mm (39")		
		1016 mm (40")		

AS Depth filter cartridge, nominal

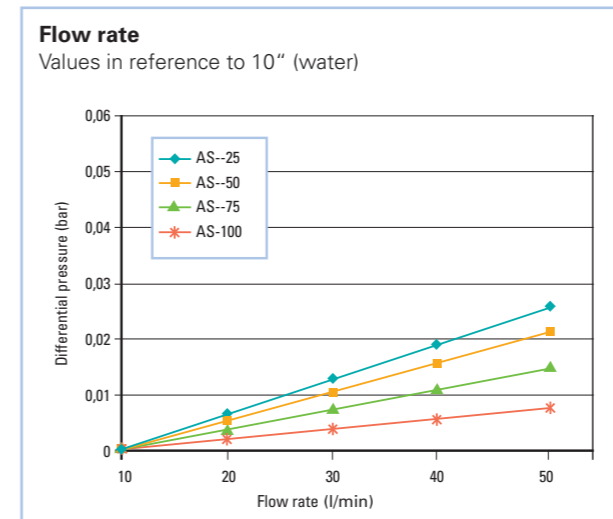


AS Depth filter cartridge with 3D filter structure

The AS depth filter cartridge is a high volume classification cartridge with from outside to inside constant pore structure. The special 3D depth filter construction consists of rolled filter layers made of PP-Bi-component-fibres which are separated from each other by drainage mesh.

The resulting, very voluminous 3D depth filter structure enables extra high dirt hold capacity. The filter layers of PP-Bi-component-fibres guarantee high throughput capacity without loss of particle retention rate even at high differential pressures.

AS depth filter cartridges with 3D depth filter structure ensure reproducible filtration properties for high-quality applications.



AS Depth filter cartridge

NEW

Technical data

Filter medium:	PE / PP- Bi-component-fiber
Core support:	-
Adapter and end caps:	Polypropylene
Filter rating:	25, 50, 75, 100 µm, nominal
Temperature:	max. 80 °C
Differential pressure:	max. 3.5 bar at 20 °C max. 1.5 bar at 80 °C
Dimensions:	Recommended filter exchange at 1.5 bar
	Internal diameter 28 mm
	External diameter 68 mm
	Lengths 4 7/8" – 40"



Applications

- LIB electrode slurry classification
- Varnishes, paints and inks
- Fine chemicals
- Solvents
- Acids and lyes
- Cosmetics
- Ultrapure water
- Food and beverages

Features and Benefits

- Classification cartridge with rolled filter layers
- 3D-depth filter structure
- Constant pore structure from outside to inside
- High dirt hold capacity
- Compact filter matrix due to PP-Bi-component-fibers
- Stable particle retention capacity even at high differential pressure
- No loss of fibers
- No use of binding agents
- Wide chemical compatibility
- Low differential pressure, high flow rate
- Long filter service life
- Food contact declaration
- REACH-Declaration
- RoHS-Declaration



Order information

AS	050	-248	-E	8	
AS-Depth-filter cartridge	Filter rating in µm	Length in inch	mm	Sealing material	Adapter
	025: 25 µm	4 7/8"	124 mm	P: PE- gasket	-: DOE
	050: 50 µm	5"	127 mm	E: EPDM	3: 222 / Cap
	075: 75 µm	9 3/4"	248 mm	B: NBR	8: 222 / Fin
	100: 100 µm	10"	254 mm	S: Silicone	7: 226 / Fin
		19 1/2"	496 mm	V: FKM	
		20"	508 mm	F: FKM-FEP-encapsulated	
	30"	762 mm			
	40"	1016 mm			

Depth filter, absolute



Absolute depth filter with perforated surface made entirely of polypropylene

The WFMB Depth filter with absolute filtration rate is produced in the melt-blow process. The perforated surface offers an enlarged filter surface area as well as a better binding for the continuous fibers on the filter surface. The filter is structured with a consistent pore-structure which decreases towards the middle, allowing a construction without a core support in the centre. The WFMB melt-blow cartridge can be delivered optionally with open ends on both sides or with standard adapter constructions. The perforated surface area with subsequent depth filter structure ensures a long service life, high dirt-retention capacity and low differential pressures.

WFMB Melt-blow cartridge, absolute

Technical data

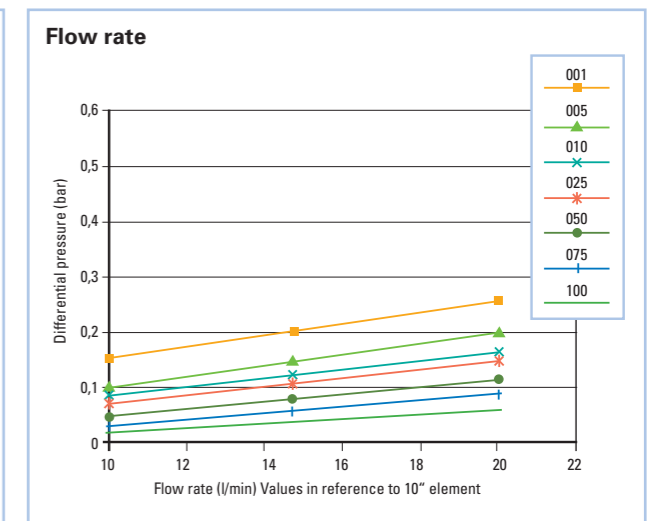
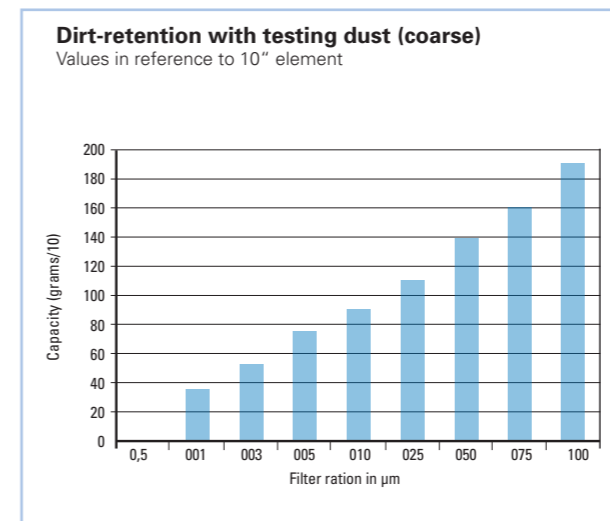
Filter medium:	100 % Polypropylene
Core support:	-
Adapter:	Polypropylene
Filter ration:	1 – 100 µm, absolute
Temperature:	Max. 80 °C
Differential pressure:	Max. 4.2 bar at 20 °C Max. 1.2 bar at 80 °C
	Filter change recommended at 2.0 bar
Dimensions:	Internal diameter 28 mm External diameter 63 mm Lengths 5" – 40"

Applications

- Ultrapure water for the electronic industry
- Drinking water for food and beverages
- Pre- and post-filters in water-treatment plants
- Filtration of light viscose clear varnishes
- Rinsing baths in semi purification plants
- Filtration of inks for ink-jet applications

Features and Benefits

- Enlarged surface area due to perforation
- Absolute filtration rate
- Depth filter, finer structured towards the inside
- Melt-blow continuous fiber, thermic-bound
- Does not contain binding agents or adhesives
- Long service life, high dirt-hold capacity
- Low differential pressure, high flow rate
- NSF42 and FDA CFR21 Certificate
- Food Contact Declaration
- REACH-Declaration
- RoHS-Declaration



Efficiency (%)

Filter cartridge	1µm	3µm	5µm	10µm	25µm	50µm	75µm	100µm
WFMB A001	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
WFMB A003	89.3	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
WFMB A005	75.9	91.2	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
WFMB A010		63.8	87.3	>99.9	>99.9	>99.9	>99.9	>99.9
WFMB A025			69.9	92.8	>99.9	>99.9	>99.9	>99.9
WFMB A050				58.1	74.9	>99.9	>99.9	>99.9
WFMB A075					63.9	90.5	>99.9	>99.9
WFMB A100					60.1	87.4	92.8	>99.9



Order information

WFMB A-	-005	-20	-E	-0
	Filter ration in µm	Length in inch / mm	Sealing compound	Adapter
WFMB A Melt-blow cartridge	001:	1 µm / 4 7/8"	124 mm	A: PE-Flat seal (gasket) / -F : DOE
	003:	3 µm / 5"	127 mm	E: EPDM / -0: 222/Cap
	005:	5 µm / 9 3/4"	248 mm	B: NBR / -5: 222/Fin
	010:	10 µm / 10"	254 mm	S: Silicone / -7: 226/Fin
	025:	25 µm / 19 1/2"	496 mm	V: Viton / -B: 213/Cap
	050:	50 µm / 20"	508 mm	F: Viton-FEP-encapsulated
	075:	75 µm / 29 1/4"	744 mm	
	100	100 µm / 30"	762 mm	
			39"	992 mm
		40"	1016 mm	

BM- Depth filter cartridge, absolute



BM-Depth filter cartridge made of ultrafine PP-Bi-component-fibers

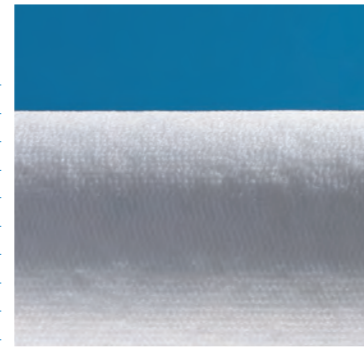
The BM-Depth filter cartridge consists of 100% ultrafine Polypropylene-Bi-component-fibers which are thermally bonded together at their cross points. The attained ultra pure and exceptionally compact filter matrix assures a repetitious and absolute accuracy of filtration characteristics for top quality applications. The BM-filter cartridge is a typical depth filter with an absolute and graded density pore structure and finer filter ration from the outside to the inside. The stable depth filter structure assures secure particle retention over the whole life time even at high ranges of differential pressure

BM- Depth filter cartridge, absolute

NEW

Technical data

Filter medium:	100% ultrafine Polypropylene-Bi-componenten-fiber
Core support:	-
Adapter and end caps:	Polypropylene
Filter ration:	1 - 15 µm, absolute
Temperature:	max. 80°C
Differential pressure:	max. 5.5 bar at 20°C max. 2.5 bar at 80°C
	Recommended filter exchange at 1,5 bar
Dimensions:	Internal diameter 29 mm External diameter 67 mm Lengths 4 7/8" - 40"



Applications

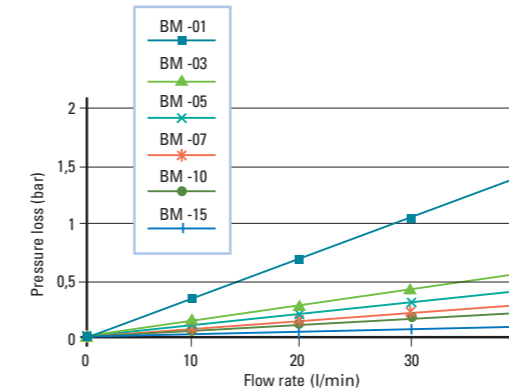
- Varnishes, paints and inks
- Fine chemicals
- Solvents
- Acids and lyes
- Cosmetics
- Ultrapure water
- Food and beverages

Features and Benefits

- Absolute rating
- Compact filter matrix due to ultrafine PP-Bi-component-fibers
- Fibers bonded thermally at the cross points
- From outside to inside graded density pore structure
- No loss of fibers
- No use of binding agents
- Wide chemical compatibility
- Stable particle retention efficiency even at high ranges of differential pressure
- FDA-compliant
- Food contact declaration
- RoHS-Declaration

Flow rate BM-Tiefenfilterkerze

Values in reference to 10" (water)



Efficiency (%)

	0.5µm	1µm	2µm	3µm	4µm	5µm	6µm	7µm	8µm	10µm	12µm	15µm
BM-01	95.0	99.9>										
BM-03		82.3	99.3	99.9>								
BM-05			85.1	95.4	99.0	99.9>						
BM-07			78.6	88.6	95.7	98.7	99.6	99.9>				
BM-10						76.5	85.6	93.5	97.5	99.9>		
BM-15									70.5	90.1	97.6	99.9>

Adapter configurations



Order information

BM	-01	-248	-0
	Filter ration in µm	Lenght in mm (inch)	Sealing compound
BM-Filter cartridge	-01: 1 µm	124 mm 4 7/8"	0: PE-gasket
	-03: 3 µm	127 mm 5"	
	-05: 5 µm	248 mm 9¾"	E: EPDM
	-07: 7 µm	254 mm 10"	V: FKM
	-10: 10 µm	496 mm 19½"	S: Silicone
	-15: 15 µm	508 mm 20"	F: Viton-FEP-encapsulated
		744 mm 29¼"	
	762 mm 30"		
	992 mm 39"		
	1016 mm 40"		
			Adapter
			- : DOE without adapter
			-3: 222/Cap
			-8: 222/Fin
			-7: 226/Fin

Depth filter, absolute

QP-Quick-Pack Filter System

The QP-Quick-Pack Filter System is an innovative, enclosed filter unit with protective bag and is suitable for all applications which desire an enclosed, ready-to-use unit for reasons of user-safety, cleanness, hygiene and toxicity.

The QP-Quick-Pack Filter System consists of a stable PP-adapter with manifold, inlet and outlet ports and a double layered protective bag with filter cartridges located inside. Because of the protective bag the liquid which has to be filtered does not come into contact with the housing and protects the user of a direct contact to the liquid during filter exchange.

QP-Quick-Packs are installed into corresponding WTQP-stainless steel housings and sealed by special unions at their inlet and outlet port. The QP-Quick-Packs are manufactured with 1, 3 or 7 filter cartridges and in the lengths of 5" to 30" and inside can be equipped with different types of filter cartridges.



QP-Quick-Pack Filter System

NEW

Technical Data

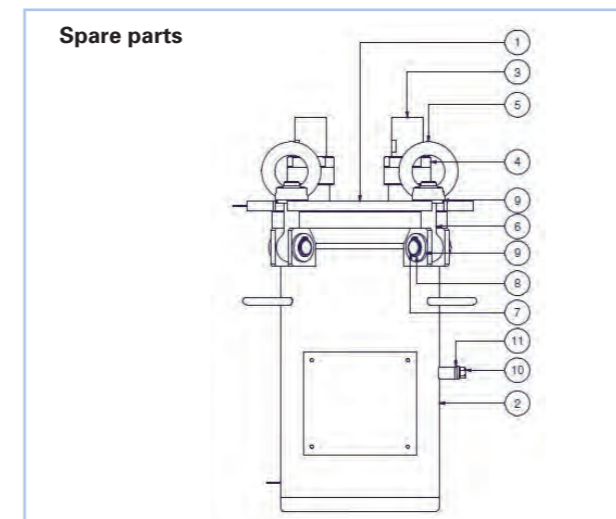
Material:	Adapter: Polypropylene / Protective Bag: Polyethylene or Polyamid
Filtermedium:	CP2: Depth filter made of PP-Bi-component fiber CP: PP/PE-Depth filter, nominal CPH: Polyester-Depth filter, nominal BM: PP-depth filter, absolute
Filter ration:	CP2: 1 - 350 µm, nominal CP: 1 - 200 µm, nominal CPH: 1 - 50 µm, nominal BM: 1 - 15 µm, absolute
Temperature:	max. 40°C
Pressure:	max. 10 bar (with WTQP-Filter Housing)
Differential pressure:	max. 3 bar at 20°C max. 1,4 bar at 40°C Recommended filter exchange at 1,5 bar
Dimensions:	Outside diameter: QP1: 91 mm QP3: 173 mm QP7: 236 mm Length: QP1: 5" (190 mm), 10" (316 mm), 20" (566 mm) QP3: 10" (343 mm), 20" (593 mm), 30" (843 mm) QP7: 10" (371 mm), 20" (621 mm), 30" (871 mm)
Connections:	Inlet / outlet: QP1: R1/2" QP3: R1" QP7: R1 1/4" Compressed air: R1/8" inside thread Grounding straps: 6 mm
Flow rate:	The flow rate correlates to the nominal diameter of the housing connection and the flow rate of the installed filter cartridges.

Applications

- Process filter for paints, varnishes and chemicals
- Fine filter for Cosmetics and lotions
- Pre filter for water treatment units
- End filter for filling plants
- Protective filter for pumps and nozzles

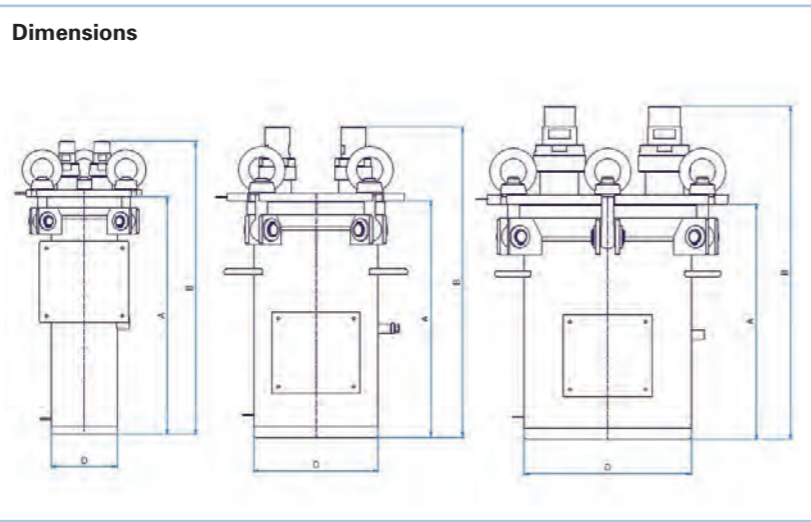
Features and Benefits

- Enclosed, ready-to-use filter unit
- Double protective bag with manifold adapter
- Clean, hygienic handling
- Three sizes, each in different lengths
- Can be equipped with different filter cartridges



Spare parts

Pos.	Description	Material	Order designation	Order-No.
1	Cover	1.4301	WTQP1-Deckel-L	#999992
			WTQP3-Deckel-L	#999992
			WTQP7-Deckel-L	#999992
2	Base	1.4301	WTQP1-Unterteil-L	#999992
			WTQP3-Unterteil-L	#999992
			WTQP7-Unterteil-L	#999992
3	Cone nozzle	1.4301	WTQP1-Kegelstutzen-R 1/2-L	#999992
			WTQP3-Kegelstutzen-R1-L	#999992
			WTQP7-Kegelstutzen-R11/4L	#999992
4	Swivel nut	1.4301	WTQP1-Überwurfmutter-L	#999992
			WTQP3-Überwurfmutter-L	#999992
			WTQP7-Überwurfmutter-L	#999992
5	Ring nut	C15	WTQP1:d129x2-Ringmutter-C	#007729
			WTQP3:d168x3-Ringmutter-C	#007731
			WTQP7:d168x3-Ringmutter-C	#007731
6	Swinging bolt	C15	WTQP1:d129x2-Augenschraube-C	#007723
			WTQP3:d168x3-Augenschraube-C	#007730
			WTQP7:d168x3-Augenschraube-C	#007730
7	Bolt	1.4301	WTQP1:d129x2-Bolzen-kurz-TG	#007479
			WTQP3:d168x3-Bolzen-kurz-TG	#007726
			WTQP7:d168x3-Bolzen-kurz-TG	#007726
8	Retaining ring	A2	WTQP1:d129x2-Sicherungsring-LG	#007716
			WTQP3:d168x3-Sicherungsring-LG	#007720
			WTQP7:d168x3-Sicherungsring-LG	#007720
9	Washer	A2	WTQP1:d129x2-U-Scheibe-LG	#007717
			WTQP3:d168x3-U-Scheibe-LG	#007721
			WTQP7:d168x3-U-Scheibe-LG	#007721
10	Plug	A4	01WTKF-ESTOP-R1/8-T	#000720
11	Gasket	PTFE	01WTKF-DIPTFE-Entlüftung	#006441



Dimensions

Housing	A	B	C	Inlet / Outlet	Quick-Pack
WTQP1-05	196	272	88,9	R ½"	QP1-05
WTQP1-10	321	397	88,9		QP1-10
WTQP1-20	576	652	88,9		QP1-20
WTQP3-10	320	419	168,3	R 1"	QP3-10
WTQP3-20	576	675	163,3		QP3-20
WTQP3-30	830	929	168,3		QP3-30
WTQP7-10	318	451	226,0	R 1¼"	QP7-10
WTQP7-20	572	705	226,0		QP7-20
WTQP7-30	826	959	226,0		QP7-30



NEW

Atex-Guideline 2014/34/EU

WTQP-Housings have no own ignition source and therefore do not fall under the Atex-Guideline 2014/34/EU. Caused by the process itself, in special by the flow of the media through the housing, electrostatic charging can appear. According to the German Technical Rules of Operational Safety TRBS2153 it must be ensured that the WTQP-Housings are earthed by the designated earthing tags which are located on the housing cover and housing sump.

The protective bags of the QP-Quick-Pack-Filter cartridges are made of conductive PE, specific resistivity 10¹² Ohm*m, what makes sure a certain release of charging during the process. Nevertheless it has to be cared for a sufficient relaxation time to release possible charging before opening the housing.

For our WTQP-Housing we have carefully and according to state of the art of good manufacturing practice disputed ourselves with the questions of warranty of explosion proofing. The documentation has been deposited according to Atex-Guide-line 2014/34/EU, Article 13 (1) b) ii) for non-electrical devices and components Category 2 at the notified body TÜV-Südwest. The confirmation of deposition is in hand.

WTQP-Housings comply with all requirements to show the following check symbol:



Order-Information: QP-Quick-Pack-Elements

QP	CP-	-25	-7	A	20		
QP-Quick-Pack-Filter-Elements	Filter media	Filter ratio in µm		Number of filter cartridges	Bag configuration	Length of filter cartridges	
		CP2: PP-Depth filter, nominal	-01:	1 µm	1: 1 filter cartridge	A: PE/PE	05: 5"
			-03:	3 µm	3: 3 filter cartridges	B: PA/PA	10: 10"
			-05:	5 µm	7: 7 filter cartridges	C: PA/PE	20: 20"
			-10:	10 µm		D: PA/PE/PE	30: 30"
			-25:	25 µm		E: PE/PE/PE	
			-50:	50 µm			
			-100:	100 µm			
			-200:	200 µm			
			-350:	350 µm			
	CP-PP/PE-Depth filter, nominal		-01:	1 µm			
		-03:	3 µm				
		-05:	5 µm				
		-10:	10 µm				
		-25:	25 µm				
		-50:	50 µm				
		-75:	75 µm				
		-100:	100 µm				
		-125:	125 µm				
		-150:	150 µm				
	CPH-Polyester-Depth filter, nominal	-01:	1 µm				
		-03:	3 µm				
		-05:	5 µm				
		-10:	10 µm				
-25:		25 µm					
BM-PP-Depth filter, absolute	001:	1 µm					
	003:	3 µm					
	005:	5 µm					
	007:	7 µm					
	010:	10 µm					
	015:	15 µm					

Order information WTQP-Quick-Pack-Housing

WTQP	7	-20	-R1¼	-L
WTQP-Quick-Pack-Filter Housing	Number of filter cartridges	Length of filter cartridges	Connection inlet / outlet	Material Housing
	1: 1 filter cartridge	05: 5"	R½: R ½" for QP1	L: 1.4301 (AISI304)
	3: 3 filter cartridges	10: 10"	R1: R 1" for QP3	T: 1.4571/1.4404 (AISI316)
	7: 7 filter cartridges	20: 20"	R1¼: R 1 ¼" for QP7	

Pleated & Membrane Filter Cartridges

2.

Pleated Cartridges

Pleated cartridges are surface filters with a large filter area, which results from the pleated filter material. They are especially well-suited for filtering out solid particles from aqueous suspensions, acids and lyes at low differential pressures.

Membrane Filter Cartridges

Our membrane filter cartridges are manufactured to the highest standard of quality. Hydrophilic polyethersulfone membranes are especially suited for filtering aqueous solutions; hydrophobic PTFE membranes are required for solvents, non-aqueous chemicals, sterile tank ventilation and similar applications.

WF-Junior Elements

Junior elements are simply a smaller version of conventional pleated fiber cartridges or MS-Stainless-Steel-cartridges and therefore ideal for low flow rate and low volume applications.

WF-Capsule

WF-Capsule are suitable for low flow rates and for applications that require a closed, ready-to-use filter unit for cleanliness and hygiene or toxicity reasons. WF-Capsule consist of a stable PP-shell with inside pleated cartridge made of Polypropylene-micro-fiber (WFPPA), Polyethersulfone-membrane (WFPES) or PTFE-membrane (WFPTFE).

Pleated Cartridges



ECP

Cellulose-polyester pleated cartridges, nominal



WFPPA

Polypropylene pleated cartridges, absolute



WFPPF

PP-Food-Pleated, absolute



WFMLP

Multi-layered pleated cartridges, absolute



WFGFAW

Glass-fiber pleated cartridges, absolute

Membrane Filter Cartridges



WFPES

Polyethersulfone membrane filter cartridges



WFPTFE

PTFE membrane filter cartridges

WF-Junior-Elements and WF-Capsule



WF-Junior Elements

Pleated PP/PES/PTFE cartridges or MS-Stainless steel cartridges



WF-Capsule

Pleated Elements made of PP, PES, PTFE

Pleated & Membrane Filter Cartridges



ECP-Cellulose polyester pleated cartridge with vinyl end caps

ECP cartridges are pleated around a solid polypropylene core. The filter medium is manufactured from resin-impregnated cellulose and polyester fibers. The end caps are immersed in a thermo-setting vinyl plastisol and are colour coded for easy identification of the micron rating. The available filter ratings are 1 µm (tan), 5 µm (white), 20 µm (blue) and 50 µm (yellow). Furthermore the ECP-Pleated cartridges are offered in two standard lengths of 9 ¾" and 20" as well as in the both diameters of 67 mm and 114 mm in the BigBlue version.

ECP-Pleated cartridge, nominal

Technical data

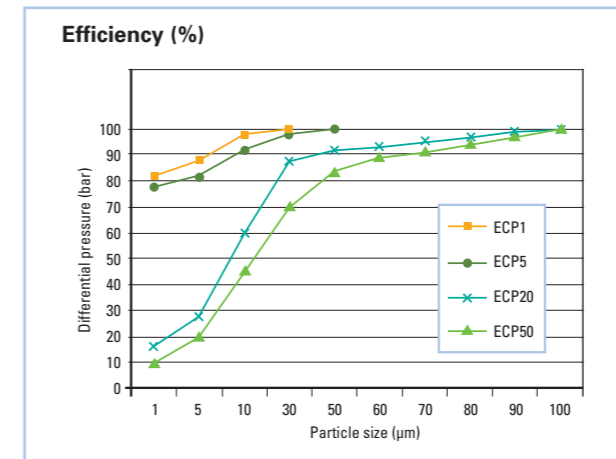
Filter medium:	Cellulose-polyester
Core support:	Polypropylen
Adapter:	Vinyl plastisol
Filter rating:	1 µm (tan) / 5 µm (white) / 20 µm (blue) / 50 µm (yellow)
Filter surface area:	0,55 m ² / 10" Standard 1,11 m ² / 20" Standard 1,67 m ² / 10" BigBlue 3,34 m ² / 20" BigBlue
Temperature:	5 – 50 °C
Differential pressure:	Filter exchange recommended at 1.5 bar
Dimensions:	Standard version: Internal diameter 27 mm External diameter 67 mm Length 9 ¾" and 20" BigBlue version: Internal diameter 27 mm External diameter 114 mm Length 9 ¾" and 20"

Applications

- Process filter of aqueous and light viscous fluids
- Universal filter for general applications for removal of suspended sediments and particles.
- Pre- and post-filter in water treatment plants
- Fine filter for cooling circuits
- Strainer for the protection of pumps, valves, injectors or heat exchangers

Features and Benefits

- Nominal pleated cartridge
- Filter medium made from resin-impregnated cellulose and polyester fibres
- Filter rating colour coded
- High flow rate capacity
- BigBlue version with outer diameter 114 mm
- Thermal fixed end caps
- Long service life, high dirt-retention capacity
- Low differential pressure



Recommended flow rate / Differential pressure

Typ	Recommended flow rate	Differential pressure
ECP01-10	25 l/min	38 l/min at 0.1bar
ECP05-10	25 l/min	38 l/min at 0.1bar
ECP20-10	25 l/min	38 l/min at 0.1bar
ECP50-10	25 l/min	38 l/min at 0.1bar
ECP01-20	50 l/min	38 l/min at 0.1bar
ECP05-20	50 l/min	38 l/min at 0.1bar
ECP20-20	50 l/min	38 l/min at 0.1bar
ECP50-20	50 l/min	38 l/min at 0.1bar
ECP01-10BB	40 l/min	76 l/min at 0.1bar
ECP05-10BB	40 l/min	76 l/min at 0.1bar
ECP20-10BB	40 l/min	76 l/min at 0.1bar
ECP50-10BB	40 l/min	76 l/min at 0.1bar
ECP01-20BB	80 l/min	76 l/min at 0.1bar
ECP05-20BB	80 l/min	76 l/min at 0.1bar
ECP20-20BB	80 l/min	76 l/min at 0.1bar
ECP50-20BB	80 l/min	76 l/min at 0.1bar

Order information

Typ	Colour of end cap	Length	Filter rating	Order-No.
ECP01-10	Tan	9 ¾" (248 mm)	1 µm	006446
ECP05-10	White	9 ¾" (248 mm)	5 µm	006447
ECP20-10	Blue	9 ¾" (248 mm)	20 µm	006448
ECP50-10	Yellow	9 ¾" (248 mm)	50 µm	006449
ECP01-20	Tan	20" (508 mm)	1 µm	006450
ECP05-20	White	20" (508 mm)	5 µm	006451
ECP20-20	Blue	20" (508 mm)	20 µm	006452
ECP50-20	Yellow	20" (508 mm)	50 µm	006453
ECP01-10BB	Tan	9 ¾" (248 mm)	1 µm	006454
ECP05-10BB	White	9 ¾" (248 mm)	5 µm	006455
ECP20-10BB	Blue	9 ¾" (248 mm)	20 µm	006456
ECP50-10BB	Yellow	9 ¾" (248 mm)	50 µm	006457
ECP01-20BB	Tan	20" (508 mm)	1 µm	006458
ECP05-20BB	White	20" (508 mm)	5 µm	006459
ECP20-20BB	Blue	20" (508 mm)	20 µm	006460
ECP50-20BB	Yellow	20" (508 mm)	50 µm	006461

Pleated & Membrane Filter Cartridges

Double-layered pleated cartridge made entirely of polypropylene

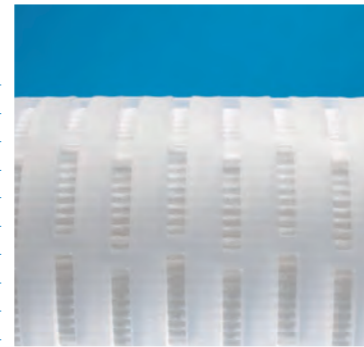
WFPPA Pleated cartridges are fitted with a double-layered filter medium made of polypropylene, allowing absolute filter ratings of 99.9 % particle retention. The pleat-structured surface provides a filter area of more than 0,5 m²/10". WFPPA Pleated cartridges are manufactured in clean room conditions, adhering to the USP Class VI and FDA CFR Title 21 criteria. All components are made of polypropylene, thermic-welded and do not contain binding agents, adhesives or additives. Positive characteristics of WFPPA Pleated cartridges are a long service life, a high dirt-hold capacity and a low differential pressure, especially for filtering out impurities such as solid particles.



WFPPA Pleated cartridge, absolute

Technical data

Filter medium:	100 % polypropylene
Core support:	Polypropylene
Adapter and cage support:	Polypropylene
Filter rating:	0.2 – 70 µm
Filter surface area:	> 0.5m ² /10"
Temperature:	Max. 80 °C
Differential pressure:	Max. 4,9 bar at 20 °C Max. 1,4 bar at 80 °C
	Filter change recommended at 2,5 bar
Dimensions:	Internal diameter 27,5 mm External diameter 68 mm Lengths 5" – 40"



Applications

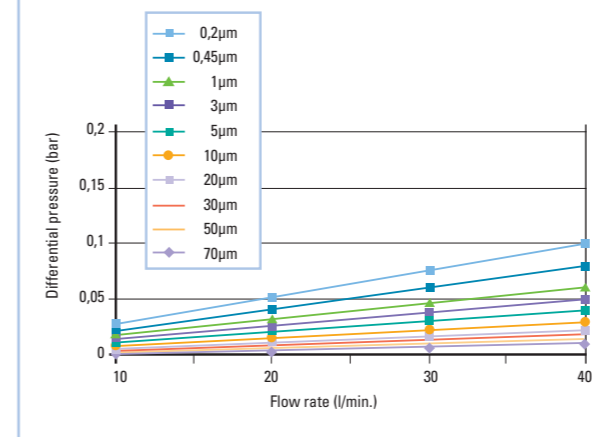
- Ultrapure water for the electronic industry
- Pre-filters for membrane filter cartridges
- Filtration of light viscose clear varnishes
- Filtration of acids & lyes
- Drinking water for food and beverages
- Filtration of clear varnishes & perfumes
- Filtration of inks for ink-jet applications
- End-point filtration of fine chemicals

Features and Benefits

- Double-layered filter medium 0.2µm - 70µm
- Filter surface > 0,5m²/10"
- Absolute efficiency of filtration rate
- 100 % PP, thermic-bound
- Does not contain binding agents, adhesives or additives
- Long service life, high dirt-retention capacity
- Low differential pressure, high transfer rate, high flow rate
- USP Class VI and FDA CFR21 Certificate
- Food Contact Declaration
- ROHS-Declaration

WFPPA-Pleated cartridge

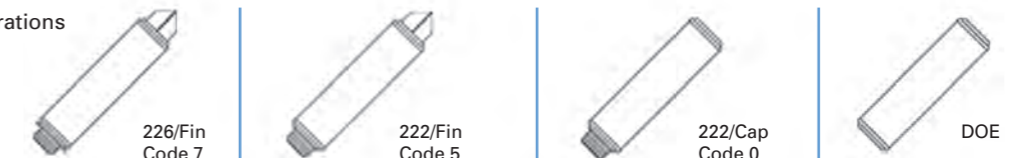
Flow rate (l/min) Values in reference to 10" element



Efficiency (%)

Cartridge	2µm	5µm	10µm	12µm	25µm	35µm	50µm
WFPPA0020	99.957	99.982	99.999	100	100	100	100
WFPPA0045	99.949	99.977	99.999	100	100	100	100
WFPPA0100	99.852	99.936	99.997	100	100	100	100
WFPPA0300	99.786	99.905	99.998	99.999	100	100	100
WFPPA0500	95.259	99.627	99.997	99.999	100	100	100
WFPPA1000	83.267	96.961	99.997	99.999	100	100	100
WFPPA2000	63.807	88.927	99.877	99.996	100	100	100
WFPPA3000	63.276	88.979	99.883	99.988	100	100	100
WFPPA5000	18.690	38.780	92.889	99.630	99.829	100	100
WFPPA7000	15.623	28.109	74.347	89.643	93.100	94.118	100

Adapter Configurations



Order information

WFPPA	0100	-10	-E	5
WFPPA Pleated cartridge	Filter rating in µm	Length in inch	Sealing compound	Adapter
	0020: 0.2 µm	4 7/8: 124 mm	E: EPDM	-F: DOE with end caps
	0045: 0.45 µm	5: 127 mm	B: NBR	-0: 222/Cap
	0100: 1 µm	9 3/4: 248 mm	S: Silicone	-5: 222/Fin
	0300: 3 µm	10: 254 mm	V: FKM	-7: 226/Fin
	0500: 5 µm	19 1/2: 496 mm	F: Viton-FEP-encapsulated	-B: 213/Cap
	1000: 10 µm	20: 508 mm		
	2000: 20 µm	29 1/4: 744 mm		
	3000: 30 µm	30: 762 mm		
5000: 50 µm	39: 992 mm			
7000: 70 µm	40: 1016 mm			

Pleated & Membrane Filter Cartridges



Double-layered PP-Pleated cartridge for food applications

WFPPF – Pleated cartridges are provided with a double-layered nano-fiber filter media made from Polypropylene and are preflushed. The filter area of the nano-fiber filter-media is larger than 0.6 m²/10" and shows absolute particle retention efficiency of 99.9%. The WFPPF-Food-Pleated cartridges are manufactured in clean room conditions and meet the requirements of the USP VI and are food-conform. All components are made from Polypropylene, thermic-welded and free of binders, adhesives or additives. The double-o-ring adapters of the WFPPF-Food-Pleated cartridges are reinforced by an PBT-ring insert and can be sterilized multiple times.

WFPPF PP-Food-Pleated, absolute

Technical data

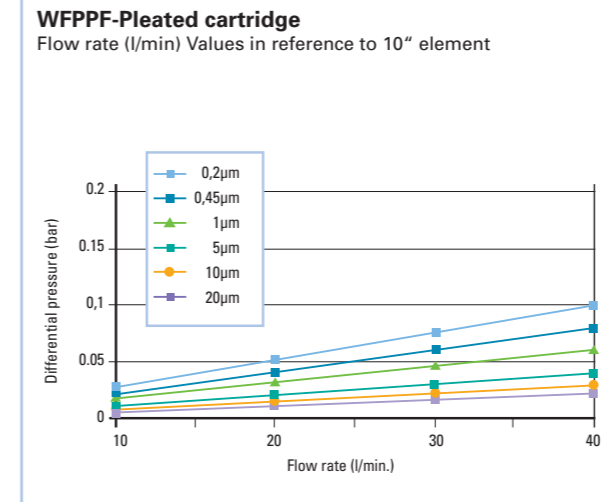
Filter medium:	100% polypropylene
Core support	Polypropylene
Adapter	Polypropylen with PBT-reinforcemnt-ring
Cage support	polypropylene
Filter ration:	0.2 - 20 µm, absolute
Filter surface area:	>0.6 m ² /10"
Temperature:	max. 95°C
Sterilisation:	Steam: 121°C, 30 min. Water: 90°C, 30 min.
Differential pressure:	max. 4,9 bar at 20°C max. 1,4 bar at 95°C
	Filter change recommended at 2,5 bar
Dimensions:	Internal diameter 27.5mm External diameter 71mm Lengths 5" - 40"

Anwendung

- Fine filter for trinking water
- Clarification of soft-drinks and fruit juices
- Main filter for food and beverages
- Prefilter of membrane filter cartridges
- Circulation filter of rinsing and washing bathes

Features and Benefits

- Double-layered filter-media, preflushed
- PBT-ring as adapter-reinforcement-insert
- Multiple sterilisation cycles
- Filter surface area >0.6 m² per 10"
- Absolute particle retention efficiency
- 100% PP, thermal-welded
- Free of binders, adhesives or additives
- Long service life, high dirt-retention capacity
- Low differential pressure, high flow rate
- USP VI and FDA CFR21 conform
- Food-contact Declaration
- ROHS-Declaration of conformity



Efficiency (%)

Filter Cartridge	2µm	5µm	10µm	12µm	25µm	35µm	50µm
WFPPF0020	99.95	99.98	99.99	100	100	100	100
WFPPF0045	99.94	99.97	99.99	100	100	100	100
WFPPF0100	99.91	99.98	99.99	100	100	100	100
WFPPF0500	93.78	99.19	99.99	100	100	100	100
WFPPF1000	83.26	96.96	99.99	99.99	100	100	100
WFPPF2000	63.80	88.92	99.87	99.99	100	100	100

Adapter Configurations



Order-Information

WFPPF	-005	-20	-S	-0
WFPPF-PP-Food-Pleated	Filter ration in µm	Length in inch	Sealing compound	Adapter
	0020: 0.2 µm	4 7/8: 124 mm	S: Silicone	-F: DOE with end caps
	0045: 0.45 µm	5: 127 mm	B: NBR	-0: 222/Cap
	0100: 1.0 µm	9 3/4: 248 mm	E: EPDM	-5: 222/Fin
	0500: 5.0 µm	10: 254 mm	V: Viton	-7: 226/Fin
	1000: 10 µm	19 1/2: 496 mm	F: Viton-FEP-encapsulated	-B: 213/Cap
	2000: 20 µm	20: 508 mm		
		29 1/4: 744 mm		
	30: 762 mm			
	39: 992 mm			
	40: 1016 mm			

Pleated & Membrane Filter Cartridges



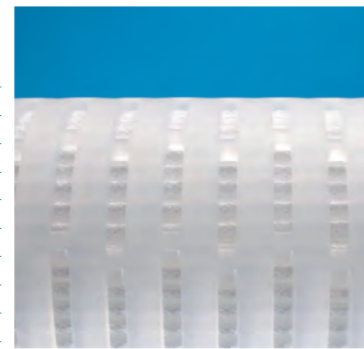
WFMLP Multi-layered pleated filter cartridge made entirely of polypropylene

WFMLP Multi-layered pleated filter cartridges have a multi-layered filter configuration containing micro fibers structured along the flow direction from the outside towards the inside in decreasing filter ratings. In this way WFMLP Multi-layered pleated filter cartridges combine the advantages of common depth filters with those of pleated elements. The depth-filter structure ensures a long service life and a high dirt-retention capacity, as well as a high flow rate capacity due to a large pleated surface area with low differential pressure. WFMLP Multi-layered pleated filter cartridges allow for absolute filter ratings of 99.9 %. All components are made of polypropylene, thermally welded without the aid of binding agents.

WFMLP Multi-layered pleated filter cartridge

Technical data

Filter medium:	100 % polypropylene
Cage support:	100 % polypropylene
Adapter:	100 % polypropylene
Filter rating:	0.3 – 150 µm
Temperature:	Max. 80 °C
Differential pressure:	Max. 5 bar at 20°C Max. 1,2 bar at 120°C
	Filter change recommended at 2,0 bar
Dimensions:	Internal diameter 28 mm External diameter 70 mm Lengths 5" – 40"



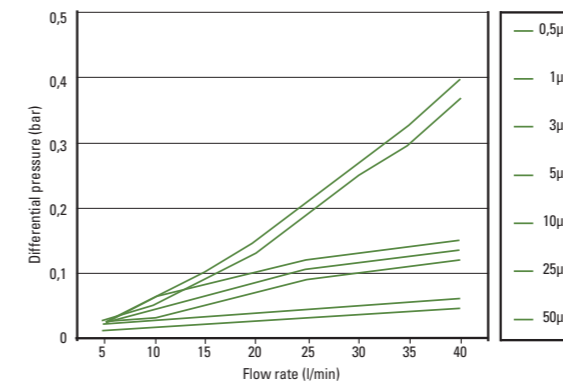
Applications

- Ultrapure water plants
- Rinsing and washing baths
- Food and beverages
- Fine chemicals, processing baths
- Cosmetics
- Paints, varnishes and inks
- Acids and lyes

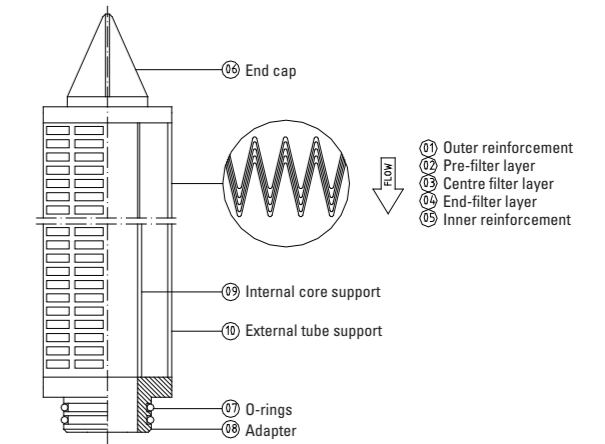
Features and Benefits

- Multi-layered pleated filter cartridge with absolute filtration efficiency
- Long service life, high dirt-retention capacity due to multi-layered structure and depth filter configuration
- Low differential pressure, high flow rate capacity due to large pleated surface area
- 100 % polypropylene, thermally welded
- Contains no silicone, binding agent or adhesive
- FDA-Uniform components

WFMLP-Multi-layer pleated cartridge
Flow-through value in reference to 10"



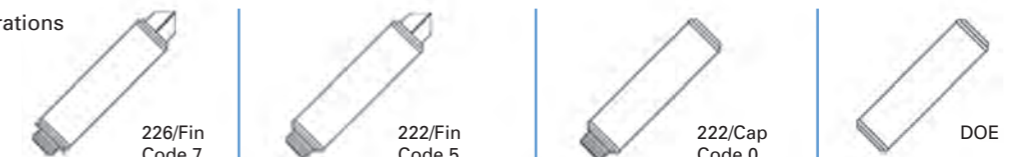
Assembly



Efficiency (%)

Filter Cartridge	2µm	5µm	10µm	12µm	25µm	35µm	50µm
WFMLP0.5	99.943	99.980	100	100	100	100	100
WFMLP001	99.920	99.959	99.998	100	100	100	100
WFMLP003	99.846	99.925	99.995	100	100	100	100
WFMLP005	99.848	99.936	99.995	100	100	100	100
WFMLP010	83.242	96.795	99.830	100	100	100	100
WFMLP025	47.410	77.835	97.400	99.830	100	100	100
WFMLP050	6.194	8.489	21.779	35.764	59.268	87.031	100

Adapter Configurations



Order information

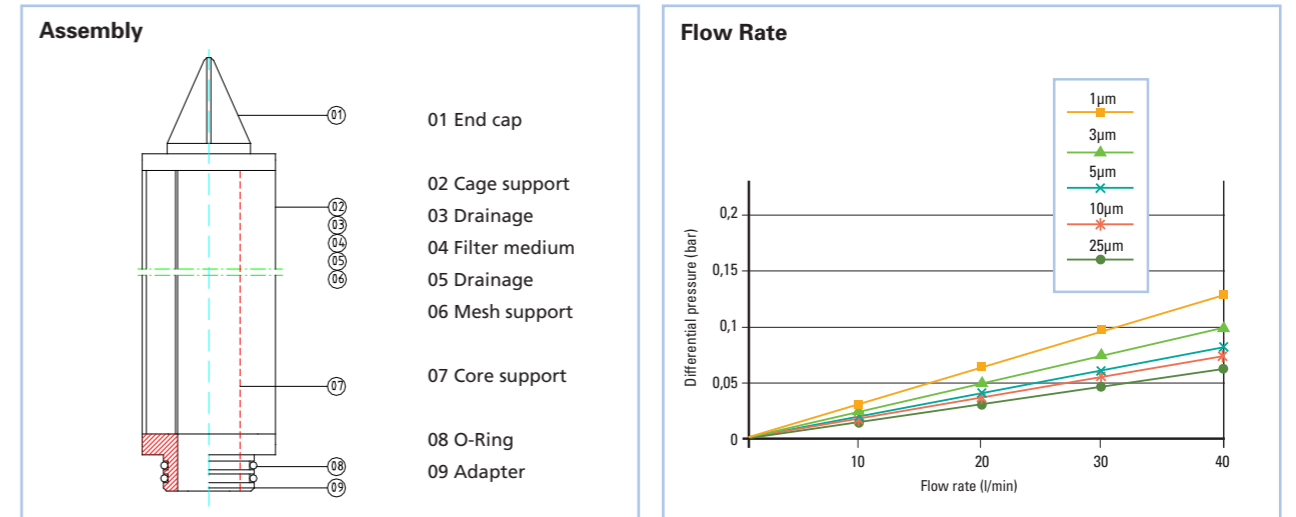
WFMLP	001	-20	-V	5		
WFMLP Multi-layer pleated cartridge	Filter rating in µm	Length in inch	mm	Sealing compound	Adapter	
	0.3:	0.3 µm	4 7/8:	124 mm	E: EPDM	F: DOE with end caps
	0.5:	0.5 µm	5:	127 mm	B: NBR	0: 222/Cap
	001:	1 µm	9 3/4:	248 mm	S: Silicone	5: 222/Fin
	003:	3 µm	10:	254 mm	V: FKM	7: 226/Fin
	005:	5 µm	19 1/2:	496 mm	F: Viton-FEP-encapsulated	
	010:	10 µm	20:	508 mm		
	025:	25 µm	29 1/4:	744 mm		
	050:	50 µm	30:	762 mm		
	070:	70 µm	39:	992 mm		
090:	90 µm	40:	1016 mm			
130:	130 µm					
150:	150 µm					

Pleated & Membrane Filter Cartridges



WFGFAW-Glass-fiber pleated cartridge with Polyester cage support and Polyester adapter

WFGFAW-Glass-fiber pleated cartridges are equipped with Polyester cage support and Polyester adapter. The Glass-fiber-micro-media is provided with a mesh support and drainage from Polyester media. All material components are thermal bonded without the use of adhesives or binders. The available micron ratings are 1µm, 3µm, 5µm, 10µm and 25µm with absolute retention efficiencies. The common adapter configurations type DOE, Code 0, Code 5 and Code 7 are deliverable in the length of 5" to 40". WFGFAW-Glass-fiber pleated cartridges are specially drawn up to meet the requirements for all general filtration applications in connection with high temperatures and solvent based cleaning agents.



Efficiency (%)

Filter Cartridge	2µm	5µm	10µm	12µm	25µm
WFGFAW001	99.89	99.95	99.99	99.99	100.00
WFGFAW003	98.87	99.92	99.97	99.98	100.00
WFGFAW005	66.91	94.34	99.96	99.97	100.00
WFGFAW010	27.90	58.44	98.84	99.96	100.00
WFGFAW025	4.54	12.96	62.54	95.21	100.00

Order Informations

WFGFAW	010	-20	-V	5	-PBT
WFGFAW-Glass-fiber pleated cartridge	Filter ration in µm, absolut	Length in inch	Sealing compound	Adapter configuration	Cage support Polyester
	001: 1 µm	4 7/8: 124 mm	E:EPDM	F: DOE	
	003: 3 µm	5: 127 mm	B:NBR	0: 222 / Cap	
	005: 5 µm	9 3/4: 248 mm	S: Silicone	5: 222 / Fin	
	010: 10 µm	10: 254 mm	V:FKM	7: 226 / Fin	
	025: 25 µm	19 1/2: 496 mm	F: FKM-FEP-encapsulated		
	20: 508 mm				
	30: 762 mm				
	40: 1016 mm				

WFGFAW Glass-fiber Pleated Cartridge, absolute

Technical data

Filter medium:	Glass-fiber micro media with polyester support mesh
Cage support:	Polyester
Adapter, end cap:	Polyester
O-Ring:	FKM. Please see order information for options
Filter ration:	1 µm, 3 µm 5 µm, 10 µm, 25 µm absolute
Filter surface area:	0.4 m ² / 10"
Temperature:	max. 120°C
Differential pressure:	max. 2,5 bar at 120°C
	Filter exchange recommended at 1.5 bar
Dimensions:	Internal diameter 30 mm
	External diameter 68 mm
	Lengths 5" - 40"
Recommended flow rate:	max. 25 l/min (1.5 m ³ /h) in reference to 10" filter cartridge-length

Applications

- Main filter for solvent-based cleaning agents
- Fine filter for hot degreasing baths for parts cleaning
- End filter for hot water in flushing and rinsing processes
- Circuit filter for thermo- and transformer oil
- Particle filter for fine chemicals and cosmetics

Features and Benefits

- Glass-fiber pleated cartridges with absolute retention efficiencies from 1 µm to 25 µm
- End caps and adapters from Polyester
- Support mesh made from Polyester
- All material components thermal bonded without the use of adhesives or binders
- Long service life, high dirt hold capacity, high flow rate, low differential pressure

Pleated & Membrane Filter Cartridges



WFPEs PES Membrane filter cartridge made of polyether sulphone, hydrophilic

WFPEs PES Membrane filter cartridges with hydrophilic polyether sulphone membranes can be delivered in filter ratings of 0.04 µm to 1.2 µm. The highly porous, asymmetrical PES-membrane is processed in clean rooms without the use of additives or surface-active substances. All components such as core support, adapter and end caps are made of polypropylene and are FDA-certified like the PES membrane material. WFPEs Membrane filter cartridges can be sterilised and are integrity-testable. They can be delivered in the preflushed or integrity-tested version.

WFPEs PES Membrane filter cartridge, hydrophilic

Technical data

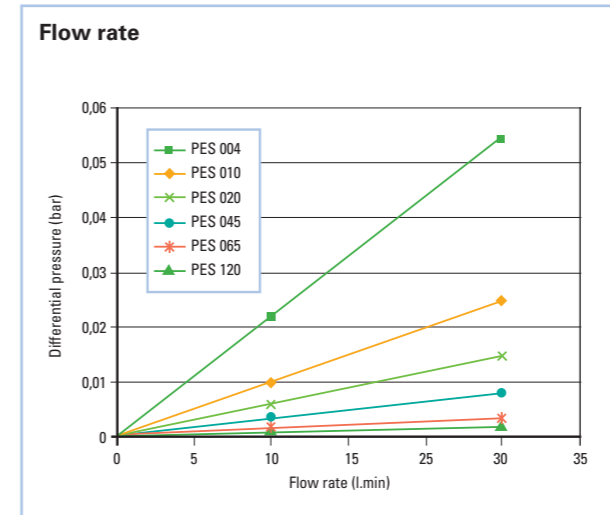
Filter medium:	Polyether sulphone
Core support:	Polypropylene
Adapter and cage support:	Polypropylene
Filter rating:	0.04 – 1.2 µm
Filter surface:	0.55 m ² /10"
Temperature:	Max. 80 °C
Sterilisation:	Autoclav: 121 °C, 30 min, 10x
Steam:	121 °C, 30 min, 10x
Hot water:	80 °C, 30 min, 30x
Differential pressure:	Max. 5.5 bar at 20 °C Max. 1,7 bar at 80 °C
	Filter change recommended at 1,5 bar
Dimensions:	Internal diameter 28 mm External diameter 69 mm Lengths 5" – 40"

Applications

- Sterilisation of food and beverages
- Micro-filtration in ultrapure water plants
- Point-of-use filtration in the electronic industry
- Sterile solution in the pharma- and bio-technology
- End-filtration of aqueous solutions
- Bacterial filtration following UV sterilisation

Features and Benefits

- Hydrophilic, highly porous PES Membrane
- Asymmetrical, mirror image pore-structure
- Filter area 0.55 sq. m/10"
- Integrity testable and can be sterilised
- Contains no silicone, binding agent or adhesive
- Long service life, high dirt-retention capacity
- Low differential pressure, high flow rate capacity
- FDA certified, manufactured in the clean room
- Food Contact Declaration
- REACH-Declaration



Integrity test-data

Typ	Flow rate µm	Bubble-Point bar	Diffusion rate	
			cc/min	bar
WFPEs004	0.04 µm	3,1 bar*	25	4,5
WFPEs010	0.10 µm	2,3 bar*	40	4,5
WFPEs020	0.20 µm	2,5 bar	35	2,0
WFPEs045	0.45 µm	2,5 bar	20	1,6
WFPEs065	0.65 µm	1,2 bar	20	0,9

*Bubble point with 60% IPA, 40% DI water



Order information

WFPEs	0020-	10-	E	7
WFPEs Membrane filter cartridge	Filter rating in µm	Length in inch	Sealing compound	Adapter
	0004: 0.04 µm	4 7/8: 124 mm	E: EPDM	-F: DOE with end caps
	0010: 0.1 µm	5: 127 mm	B: NBR	-0: 222/Cap
	0020: 0.2 µm	9 3/4: 248 mm	S: Silicone	-5: 222/Fin
	0045: 0.45 µm	10: 254 mm	V: FKM	-7: 226/Fin
	0065: 0.65 µm	19 1/2: 496 mm	F: Viton-FEP-encapsulated	-B: 213/Cap
		20: 508 mm		
		30: 762 mm		
		40: 1016 mm		

Pleated & Membrane Filter Cartridges



WFPTFE PTFE Membrane filter cartridge made of PTFE, hydrophobic

WFPTFE Membrane filter cartridges with hydrophobic PTFE membranes are available in filter ratings of 0.05 μm to 1.0 μm . The membrane material is highly porous and features a homogenous pore distribution. All construction support-, adapter- and end cap components are made of polypropylene and are thermally connected to the PTFE Membrane in clean rooms without the use of additives or surface-active substances. The filter area of 0.9 $\text{m}^2/10''$ cartridge, performs an above average standard compared to similar products. This guarantees a long service life and low differential pressure regardless of high flow rate efficiency.

WFPTFE PTFE Membrane filter cartridge, hydrophobic

Technical data

Filter medium:	PTFE
Core support:	Polypropylene
Adapter and cage support:	Polypropylene
Filter rating:	0.05 – 1.0 μm
Filter area:	0.9 $\text{m}^2/10''$
Temperature:	Max. 95 °C
Differential pressure:	Max. 5.6 bar at 20 °C Max. 1,4 bar at 90 °C
	Filter change recommended at 1,5 bar
Dimensions:	Internal diameter 28 mm External diameter 69 mm Length 4 7/8" – 40"

Applications

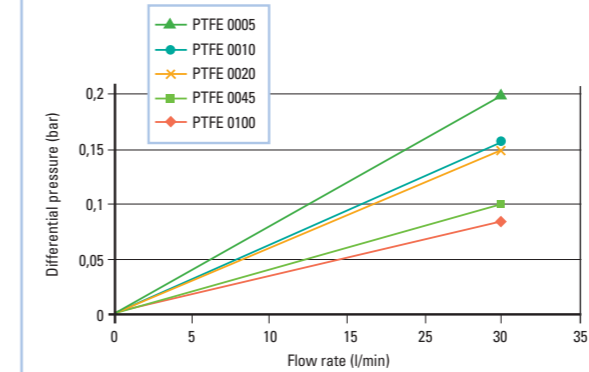
- Solvent filtration
- Sterile vent filters for storage tanks
- Coating-solvent in the electronic industry
- Filtration of non-aqueous chemicals
- Filtration of acid baths for the production of semiconductors

Features and Benefits

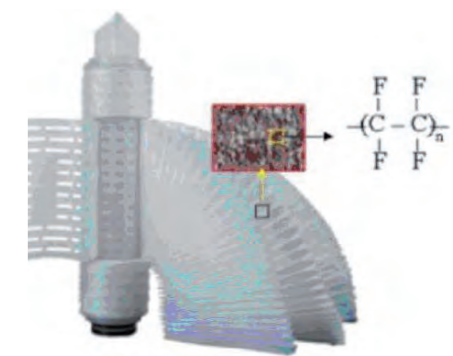
- Hydrophobic, highly porous PTFE Membrane
- Homogeneous pore resistance
- Filter area >0.9 sq. m/10"
- Excellent chemical resistance
- Can be integrity tested and sterilised
- Contains no binding agents, adhesives or additives
- Long service life, high dirt-retention capacity
- Low differential pressure, high flow rate capacity
- FDA certified, manufactured in the clean room
- Food Contact Declaration
- REACH-Declaration

Flow rate

Values in reference to 10" element



Assembly



Integrity test-data

Typ	Feinheit	Bubble-Point	Diffusionsrate*	
	μm	bar	cc/min	bar
WFPTFE0005	0.05 μm	< 1.2 bar	40	1.0 bar
WFPTFE0010	0.10 μm	< 0.9 bar	20	0.7 bar
WFPTFE0020	0.20 μm	< 0.8 bar	20	0.6 bar
WFPTFE0045	0.45 μm	< 0.5 bar	52	0.4 bar
WFPTFE0100	1.00 μm	—	—	—

*IPA: water = 60/40

Adapter Configurations



Order information

WFPTFE	0020-	10-	E	7
WFPTFE Membrane filter cartridge	Filter rating in μm	Length in inch	Sealing compound	Adapter
	0005: 0.05 μm	4 7/8: 124 mm	E: EPDM	-F: DOE with end caps
	0010: 0.1 μm	5: 127 mm	B: NBR	-0: 222/Cap
	0020: 0.2 μm	9 3/4: 248 mm	S: Silicone	-5: 222/Fin
	0045: 0.45 μm	10: 254 mm	V: Viton	-7: 226/Fin
	0100: 1.0 μm	19 1/2: 496 mm	F: Viton-FEP-encapsulated	-B: 213/Cap
	20: 508 mm			
	30: 762 mm			
	40: 1016 mm			

Pleated & Membrane Filter Cartridges

WF-Junior Pleated cartridges

WF-Junior Pleated cartridges are best suited for small-volume filtration. Available filter materials are polypropylene-micro-fiber, hydrophilic PES Membranes or hydrophobic PTFE Membranes. As a speciality WF-Junior cartridges can also be offered made entirely of stainless steel with stainless steel mesh. These are then not pleated, but cylindrically wound around a perforated core. WF-Junior Pleated cartridges feature an external diameter of 56 mm and are available in two different lengths of 76 mm and 138 mm. The internal o-ring is made of viton, silicon or EPDM and functions as a mount and seal on a housing protrusion with a 19 mm diameter.

Due to their overall size, WF-Junior Pleated cartridges must be built into corresponding WF-Junior filter housings. These housings are available made of polypropylene, PVDF or stainless steel.



WF-Junior Pleated cartridges

Technical data

Filter medium:	WFPPA-PP-micro fiber WFPEs-PES Membrane, hydrophilic WFPTFE-PTFE Membrane, hydrophobic MS-Stainless steel mesh
Cage support:	Polypropylene, or stainless steel for stainless steel reinforcement
O-ring:	EPDM (silicon, viton, FEP-encapsulated)
Filter ration:	WFPPA-PP-felt: 0.2 – 70 µm WFPEs-PES Membrane, hydrophilic: 0.04 – 1.2 µm WFPTFE-PTFE Membrane, hydrophobic: 0.05 – 1.0 µm MS-Stainless steel reinforcement: 2 µm – 100 µm
Filter area:	2.5": 1200 cm ² (stainless steel reinforcement 110 cm ²) 5": 2400 cm ² (stainless steel reinforcement 220 cm ²)
Temperature:	Max. 80 °C
Sterilisation: Steam:	121 °C, 30 min
Hot water:	90 °C, 30 min
Differential pressure:	Max. 5 bar at 20 °C
Dimensions:	2.5": diameter 56 mm x 76 mm 5": diameter 56 mm x 138 mm Internal diameter: 19 mm

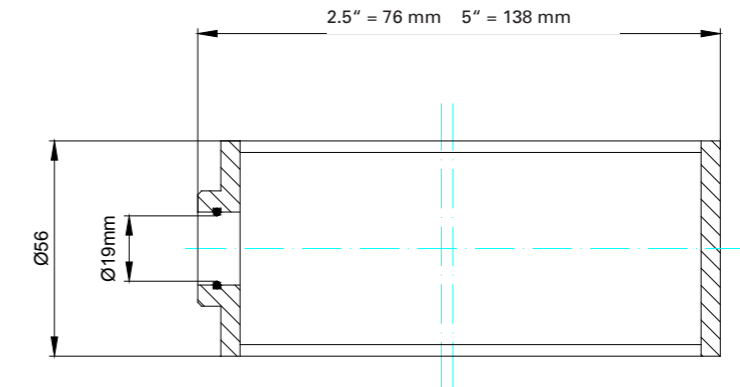
Applications

- Ink filters for industrial ink-jet printers
- Ink filters for barcode-label devices
- Fine filters for CD- and DVD coating
- End-filter for graphic spray-systems
- Sterile filters for ultrapure water
- Fine-filter for solvents
- Sterile tank ventilation
- Protective filters for vacuum pumps
- Sterile filters for laboratories
- Sample filters and filters for analysing

Features and Benefits

- Small overall size, low volume
- Internal o-ring to mount
- Available in two different lengths: 2.5" and 5"
- External diameter 56 mm
- Pleated cartridge with PP-micro-fiber, PES Membrane or PTFE Membrane
- Stainless steel element with stainless steel mesh

Dimensions



Dimensions

Typ	Element diameter	Element length	Available connections	Available filter media
2.5"	56 mm	76 mm	Internal o-ring	WFPPA: PP-micro-fiber WFPEs: PES-Membrane, Hydrophilic
5"	56 mm	138 mm	Internal o-ring	WFPTFE: PTFE-Membrane, Hydrophobic MS: Stainless steel reinforcement

Order information

WFPPA	0020	-2½	-E	J
Filter medium	Filter ration in µm	Assembly length	Sealing compound	Adapter
WFPPA:	0020: 0.2 µm	2.5"	E: EPDM	J: Junior style
Polypropylene-micro-fiber	0045: 0.45 µm	76 mm in length	S: Silicone	
	0100: 1.0 µm		V: Viton	
	0500: 5.0 µm	5"	F: Viton-FEP-encapsulated	
	1000: 10 µm	138 mm in length		
	2000: 20 µm			
	3000: 30µm			
	5000: 50µm			
	7000: 70µm			
WFPEs:	0004: 0.04 µm			
Polyether sulphone membrane, hydrophilic	0010: 0.1 µm			
	0020: 0.2 µm			
	0045: 0.45 µm			
	0065: 0.65 µm			
	0120: 1.2 µm			
WFPTFE:	0005: 0.05 µm			
PTFE Membrane, hydrophobic	0010: 0.1 µm			
	0020: 0.2 µm			
	0045: 0.45 µm			
	0100: 1.0 µm			
MS: Stainless steel mesh	0002: 2 µm			
	0003: 3 µm			
	0005: 5 µm			
	0010: 10 µm			
	0020: 20 µm			
	0050: 50 µm			
	0100: 100 µm			

Pleated & Membrane Filter Cartridges



WF-Capsule made from Polypropylene

WF-Capsule are suitable for low flow rates and for applications that require a closed, ready-to-use filter unit for cleanness and hygiene or toxicity reasons. WF-Capsule consist of a stable PP-shell with inside pleated cartridge made from Polypropylene-micro-fiber (WFPPA), Polyethersulfone-membrane (WFPES) or PTFE-membrane (WFPTFE). All components are thermal welded and free of binders, adhesives or additives. Three construction sizes in different lengths and appropriate filter surface areas are available. The inlet and outlet of all construction sizes is provided with a 1/4" NPT thread, for drainage and venting a 1/8" NPT thread with cap is attached.

WF-Capsule made from Polypropylene

Technical data

Material:	Capsule: Polypropylene		
Support:	Polypropylene		
Filter medium:	WFPPA:	Polypropylene-micro-fiber	
	WFPES:	Polyethersulfone-membrane	
	WFPTFE:	PTFE-membrane	
Filter rating:	WFPPA:	0,2 - 70 µm, absolute	
	WFPES:	0,04 – 1,2 µm	
	WFPTFE:	0,05 – 1,0 µm	
Temperature:	max. 50°C		
Pressure:	max. 4 bar		
Differential pressure:	max. 3 bar at 20°C		
	max. 1,4 bar at 50°C		
	Filter exchange recommended at 1,5 bar		
Dimensions:	Outside diameter: 72 mm		
	Length:	C1 = 82 mm	
		C2 = 165 mm	
		C3 = 216 mm	
Connections:	Inlet/Outlet: ¼" MNPT		
	Vent/drain: 1/8" MNPT with cap		
Filterflächen:	WFPPA	WFPES	WFPTFE
C1	0,058 m ²	0,070 m ²	0,077 m ²
C2	0,210 m ²	0,260 m ²	0,280 m ²
C3	0,310 m ²	0,370 m ²	0,410 m ²

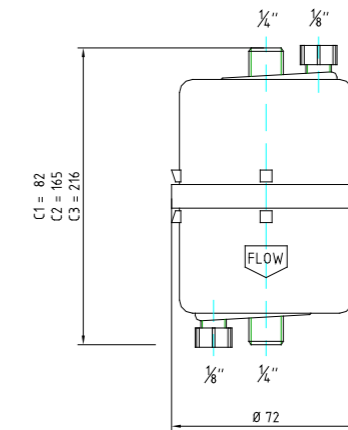
Applications

- Ink filter for inkjet-printer and barcode-label devices
- Fine filter for graphic spraying systems
- End filter for CD- and DVD coating
- Sterile filter for laboratories
- Sterile tank ventilation

Features and Benefits

- Closed, ready-to-use filter unit
- Clean and hygienic handling
- Three length sizes with different filter surface areas
- Inside filter media made from WFPPA, WFPES oder WFPTFE

Dimensions



Flow Rate

Capsule Size	Filter Media		
	WFPPA*	WFPES*	WFPTFE**
C1	100 l/h	100 l/h	1 Nm ³ /h
C2	250 l/h	250 l/h	2,5 Nm ³ /h
C3	500 l/h	500 l/h	5 Nm ³ /h

The flow rate depends on the selected filter media and the Capsule size. The listed flow rates are approximate values.

* For water and 0.2bar dp.

** For air and 0.50mbar dp.

Order Informations

WFPPA	-0500	-C1	-1/4
Filter media	Filter rating in µm	Capsule Size	Connection:
WFPPA-pleated filter cartridge, absolut	0020: 0.2 µm	C1 = 82 mm	¼" MNPT
	0045: 0.45 µm	C2 = 165 mm	
	0100: 1 µm	C3 = 216 mm	
	0500: 5 µm		
	1000: 10 µm		
	2000: 20 µm		
	3000: 30 µm		
WFPES- membrane filter cartridge	0004: 0.04 µm		
	0010: 0.1 µm		
	0020: 0.2 µm		
	0045: 0.45 µm		
	0065: 0.65 µm		
WFPTFE- membrane filter cartridge	0120: 1.2 µm		
	0005: 0.05 µm		
	0010: 0.1 µm		
	0020: 0.2 µm		
	0045: 0.45 µm		
	0100: 1.0 µm		

3.

Activated Carbon Filters

Activated carbon absorbs a variety of impurities and can be used to reduce odor and taste substances, bacteria, VOCs, pesticides and general organic impurities, or to decolor fluids.

There are two types: filters containing granulated carbon, and filters with porous activated carbon blocks extruded to form tubes. The maximum flow rates, contact

times with the activated charcoal and thus the retention rates of these filters also depend on whether flow is axial or radial.

Activated Carbon Filters



GAC

Granular Activated Carbon with 20 µm postfilter, axial flow



CBC

Activated Carbon Block, filter rating 0.5 µm, radial flow



EP

Activated Carbon Block, filter rating 5 µm, radial flow



EPM

Activated Carbon Block, filter rating 10 µm, radial flow



WFAK

WFAK Activated Carbon Block, filter rating 5 µm, radial flow

Activated Carbon Filters



GAC Activated carbon cartridge with granular activated carbon

The GAC cartridge is filled with granular activated carbon with a radial flow from bottom to top. Consequently it has a corresponding contact-time with the activated carbon. A pre-filter made of polypropylene felt as well as a post-filter made of polypropylene melt-blow material with 20 µm filter ration retain the activated carbon and the activated carbon abrasion. GAC Cartridges are mainly used in the reduction of odour- and taste substances from drinking water.

GAC Activated carbon cartridge with granular activated carbon

Technical data

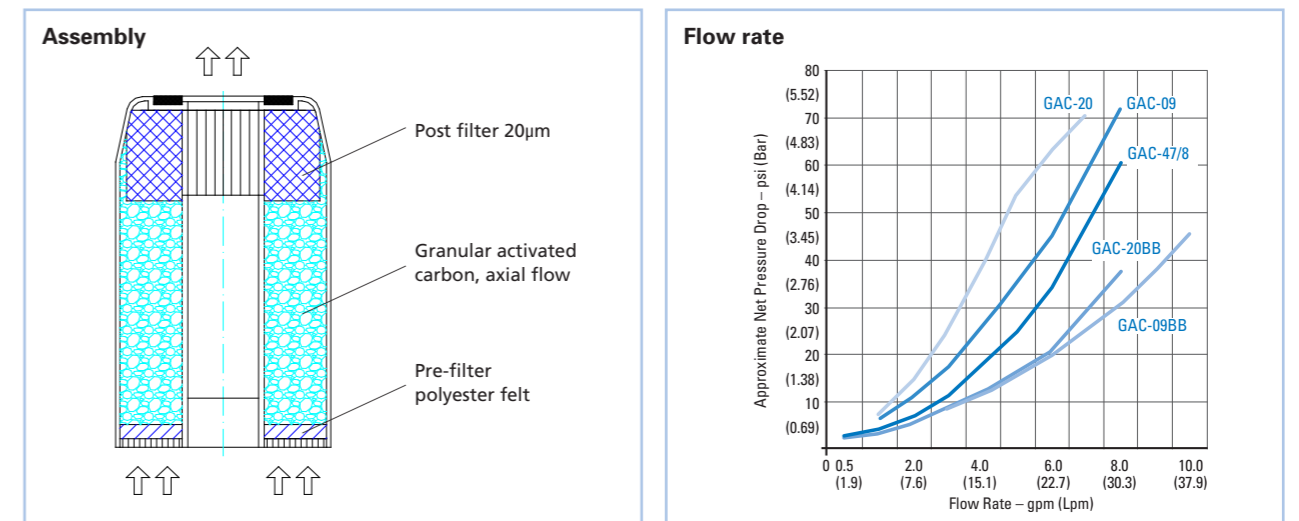
Filter medium:	Granular activated carbon
Core support:	Polystyrene
Adapter and tubular support:	Polystyrene
Gasket:	Buna N
Pre-filter:	Polyester felt
Post-filter:	PP Melt-blow material 20 µm
Temperature:	Max. 50 °C
Lengths:	4 7/8", 9 3/4", 20"
Diameters:	Standard versions: 73 mm BigBlue version: 115 mm

Applications

- Reduction of odour- and taste substances from drinking water
- A general reduction of bacteria from drinking water
- De-chlorination of drinking water
- De-colouring of fluids

Features and Benefits

- Activated carbon cartridge with granular activated carbon
- Axial flow within cartridge
- Long contact time, high absorption
- Pre-filter with polyester felt
- Post-filter with 20 µm Melt-blow material
- Construction support made of polystyrene
- FDA and NSF-certified



Recommended flow rate and service life

Typ	Recommended flow rate	Service life*
GAC047/8	1.9 l/min at 0.2 bar	9.450 liter
GAC09	3.8 l/min at 0.5 bar	18.900 liter
GAC20	7.6 l/min at 1.1 bar	37.800 liter
GAC09BB	7.6 l/min at 0.3 bar	47.000 liter
GAC20BB	15 l/min at 0.7 bar	95.000 liter

Important notice

* Service life is measured according to 90% de-chlorination of free chlorine particles, 2 ppm inflow, 0.2 ppm outflow. CBC Activated carbon may contain black activated carbon powder in the form of abrasion. It is therefore recommended to thoroughly rinse the activated carbon cartridge for 20 seconds and to discard the water before using the filtrate.

Order information and dimensions

Typ	Length	Diameter
GAC04 7/8	4 7/8" 124 mm	73 mm for standard housings
GAC09	9 3/4" 248 mm	73 mm for standard housings
GAC20	20" 508 mm	73 mm for standard housings
GAC09BB	9 3/4" 248 mm	115 mm for BigBlue housings
GAC20BB	20" 508 mm	115 mm for BigBlue housings

Activated Carbon Filters



CBC Activated carbon cartridge with integrated activated carbon block

The fixed core of this filter element is made of a porous, tubular extruded activated carbon block. This construction provides activated carbon absorption as well as a mechanical filtration with a radial flow of 0.5 µm filter ration. An internal and external PP-felt ensures a clean filter process.

CBC Cartridges are used in the reduction of odour- and taste substances, as well as specific VOCs and pesticides.

CBC Activated carbon cartridge with integrated activated carbon block

Technical data

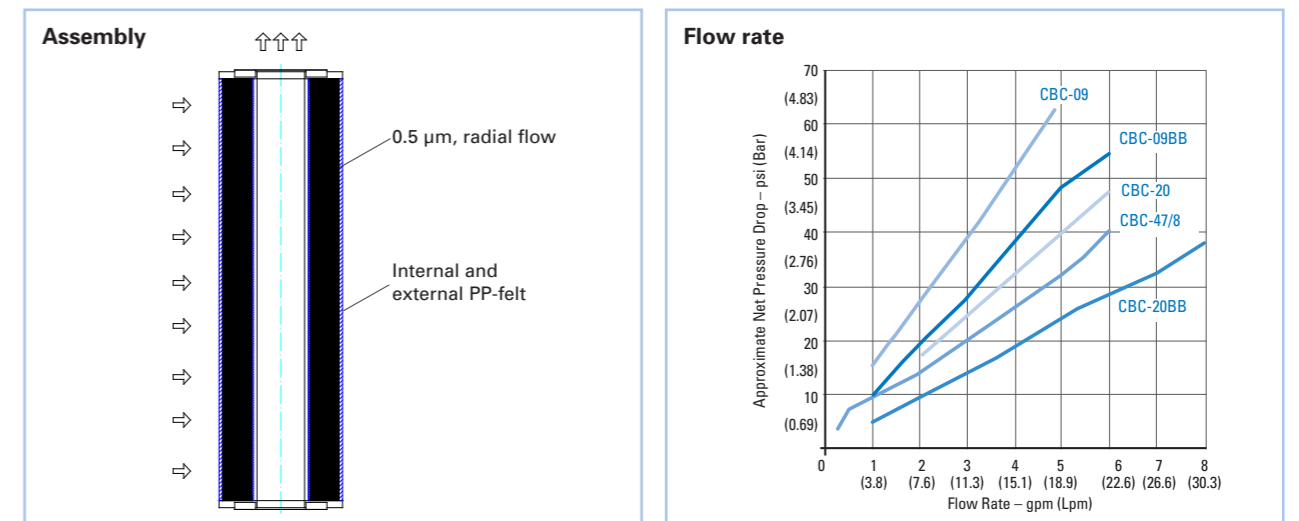
Filter medium:	Activated carbon block
	0.5 µm filter ration
Internal:	PP-felt
External:	PP-felt
Outer netting:	Polyethylene
Adapter:	Polypropylene
Gasket:	Buna N
Temperature:	Max. 80 °C
Lengths:	4 7/8", 9 3/4", 20"
Diameters:	Standard versions: 73 mm
	BigBlue version: 117 mm

Applications

- Reduction of organic and non-organic impurities in aqueous mediums and drinking water
- Reduction of odour- and taste substances
- De-chlorination of drinking water
- De-colouring of fluids

Features and Benefits

- Activated carbon cartridge with integrated and activated carbon
- 0.5 µm filter ration
- Radial flow within cartridge
- High absorption capacity
- High flow rate capacity
- Construction support made of polypropylene
- FDA-certified



Recommended flow rate and service life

Typ	Recommended flow rate	Service life*
CBC047/8	3,8 l/min at 0.50 bar	11.400 liter
CBC09	7,6 l/min at 0.80 bar	75.700 liter
CBC20	7,6 l/min at 1.20 bar	170.300 liter
CBC09BB	7,6 l/min at 1.40 bar	189.300 liter
CBC20BB	15,1 l/min at 1.30 bar	567.800 liter

Important notice

* Service life is measured according to 90% de-chlorination of free chlorine particles, 2 ppm inflow, 0.2 ppm outflow. CBC Activated carbon may contain black activated carbon powder in the form of abrasion. It is therefore recommended to thoroughly rinse the activated carbon cartridge for 20 seconds and to discard the water before using the filtrate.

Order information and dimensions

Typ	Length		Diameter
CBC047/8	4 7/8"	124 mm	73 mm for standard housings
CBC09	9 3/4"	248 mm	73 mm for standard housings
CBC20	20"	508 mm	73 mm for standard housings
CBC09BB	9 3/4"	248 mm	117 mm for BigBlue housings
CBC20BB	20"	508 mm	117 mm for BigBlue housings

Activated Carbon Filters



EP Activated carbon cartridge with integrated activated carbon block

The core of this filter cartridge is made of a porous, extruded, activated carbon tube. This construction provides activated carbon absorption as well as a mechanical filtration with a radial flow of 5 µm filter ration. An internal and external PP-felt ensures a clean filter process. The activated carbon cartridges are manufactured in the lengths 9 ¾" to 40". EP Cartridges are used in the reduction of odour- and taste substances, with a simultaneous particle filtration.

EP Activated carbon cartridge with integrated activated carbon block

Technical data

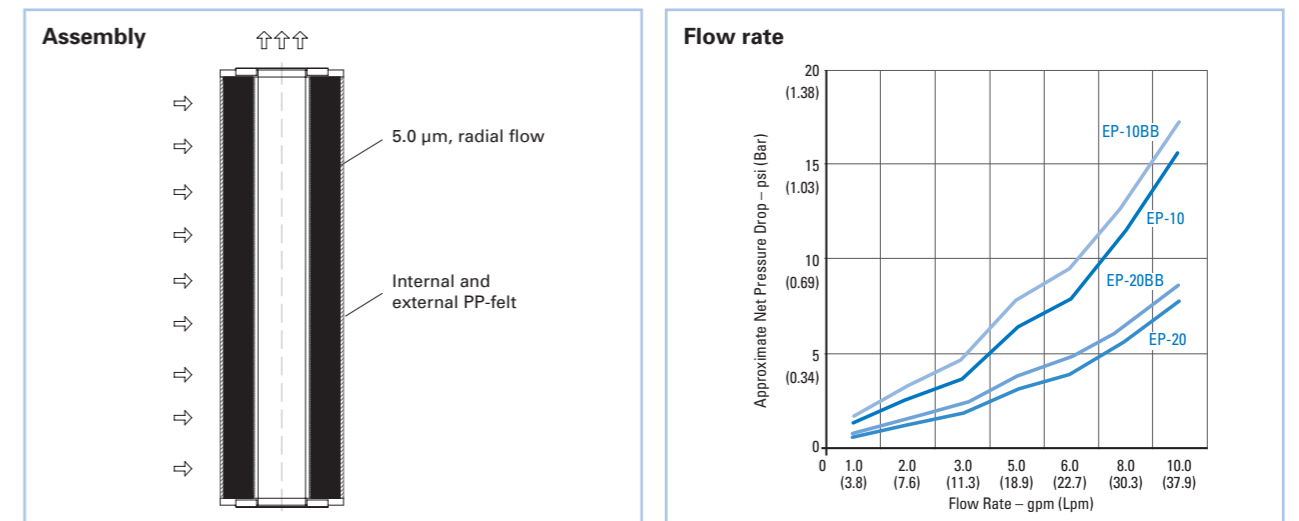
Filter medium:	Activated carbon block
	5 µm filter ration
Internal:	PP-felt
External:	PP-felt
Outer netting:	Polyethylene
Adapter:	Polypropylene
Gasket:	Buna N
Temperature:	Max. 80 °C
Lengths:	9 ¾", 20", 30" and 40"
Diameters:	Standard versions: 73 mm
	BigBlue version: 118 mm

Applications

- Reduction of organic and non-organic impurities in aqueous mediums and drinking water
- Reduction of odour- and taste substances
- De-chlorination of drinking water
- De-colouring of fluids

Features and Benefits

- Activated carbon cartridge with integrated and activated carbon
- 5 µm filter ration
- Radial flow within cartridge
- High absorption capacity
- High flow rate capacity
- Available in lengths of 9 ¾" to 40"
- Construction support made of polypropylene
- FDA-certified



Recommended flow rate and service life

Typ	Recommended flow rate	Service life*
EP-10	3,8 l/min at 0,23 bar	22.700 liter
EP-20	7,6 l/min at 0,23 bar	45.400 liter
EP-30	11,4 l/min at 0,23 bar	68.100 liter
EP-40	15,2 l/min at 0,23 bar	90.800 liter
EP-10BB	7,6 l/min at 0,30 bar	83.300 liter
EP-20BB	19 l/min at 0,38 bar	151.400 liter

Important notice

* Service life is measured according to 90% de-chlorination of free chlorine particles, 2 ppm inflow, 0.2 ppm outflow. EP Activated carbon may contain black activated carbon powder in the form of abrasion. It is therefore recommended to thoroughly rinse the activated carbon cartridge for 20 seconds and to discard the water before using the filtrate.

Order information and dimensions

Typ	Length		Diameter	
EP-10	9 ¾"	248 mm	73 mm	for standard housings
EP-20	20"	508 mm	73 mm	for standard housings
EP-30	30"	762 mm	73 mm	for standard housings
EP-40	40"	1016 mm	73 mm	for standard housings
EP-10BB	9 ¾"	248 mm	118 mm	for BigBlue housings
EP-20BB	20"	508 mm	118 mm	for BigBlue housings

Activated Carbon Filters



EPM Activated carbon cartridge with integrated activated carbon block

The fixed core of this filter element is made of a porous, extruded, activated carbon tube. This construction provides activated carbon absorption as well as a mechanical filtration with a radial flow of 10 µm filter ration. An internal and external PP-felt ensures a clean filter process. EPM Cartridges are used in the reduction of odour- and taste substances, with a simultaneous filtration of particles.

EPM Activated carbon cartridge with integrated activated carbon block

Technical data

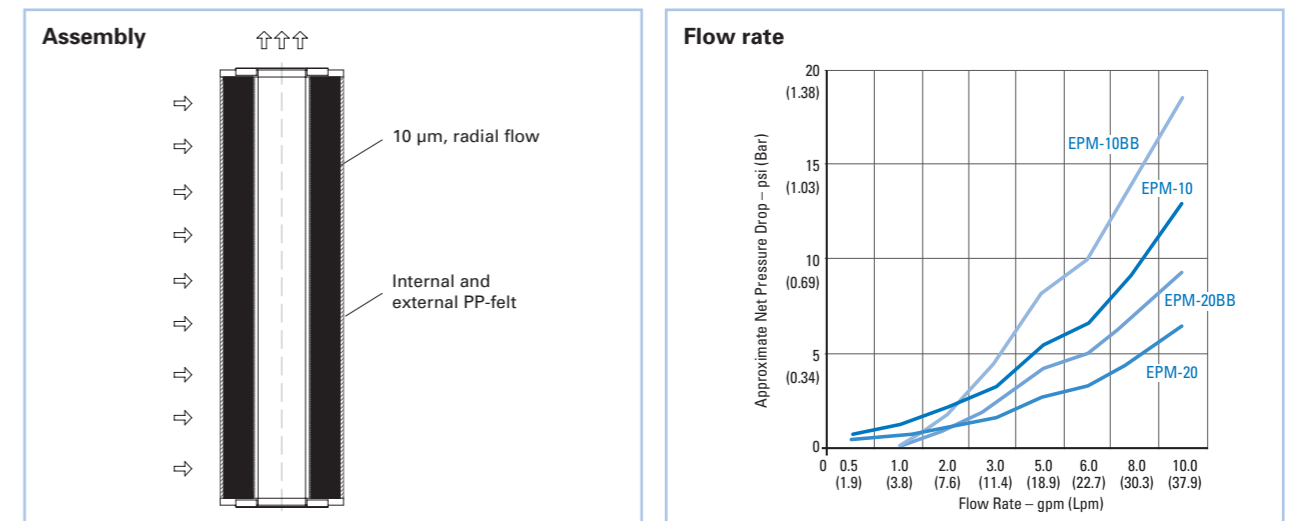
Filter medium:	Activated carbon block
	10 µm filter ration
Internal:	PP-felt
External:	PP-felt
Outer netting:	Polyethylene
Adapter:	Polypropylene
Gasket:	Buna N
Temperature:	Max. 80 °C
Lengths:	9 ¾", 20"
Diameters:	Standard versions: 73 mm
	BigBlue version: 118 mm

Applications

- Reduction of organic and non-organic impurities in aqueous mediums and drinking water
- Reduction of odour- and taste substances
- De-chlorination of drinking water
- De-colouring of fluids

Features and Benefits

- Activated carbon cartridge with integrated and activated carbon
- 10 µm filter ration
- Radial flow within cartridge
- High absorption capacity
- High flow rate capacity
- Construction support made of polypropylene
- FDA-certified



Recommended flow rate and service life

Typ	Durchsatzempfehlung	Standzeit*
EPM-10	3.8 l/min at 0,10 bar	11.400 liter
EPM-20	7.6 l/min at 0,07 bar	22.700 liter
EPM-10BB	7.6 l/min at 0,35 bar	56.750 liter
EPM-20BB	15.1 l/min at 0,28 bar	113.500 liter

Important notice

* Service life is measured according to 90% de-chlorination of free chlorine particles, 2 ppm inflow, 0.2 ppm outflow. EPM Activated carbon may contain black activated carbon powder in the form of abrasion. It is therefore recommended to thoroughly rinse the activated carbon cartridge for 20 seconds and to discard the water before using the filtrate.

Order information and dimensions

Typ	Length	Diameter
EPM-10	9 ¾" 248 mm	73 mm for standard housings
EPM-20	20" 508 mm	73 mm for standard housings
EPM-10BB	9 ¾" 248 mm	118 mm for BigBlue housings
EPM-20BB	20" 508 mm	118 mm for BigBlue housings

Activated Carbon Filters



WFAK-Activated Carbon Cartridge with integrated activated carbon block

A porous, extruded activated carbon tube acts as a core of this filter element. This construction provides activated carbon absorption as well as a mechanical filtration with a radial flow of 5 µm filter ration. An internal and external PP-felt ensures a clean filter process.

WFAK-Activated Carbon Cartridges are manufactured in the standard diameters of 69 mm in 9 3/4", 9 7/8" and 20" length. Furthermore the activated filter cartridges are available in the BigBlue-version with diameter 117 mm in 9 3/4" and 20" length.

WFAK-Activated Carbon Cartridge

Technical data

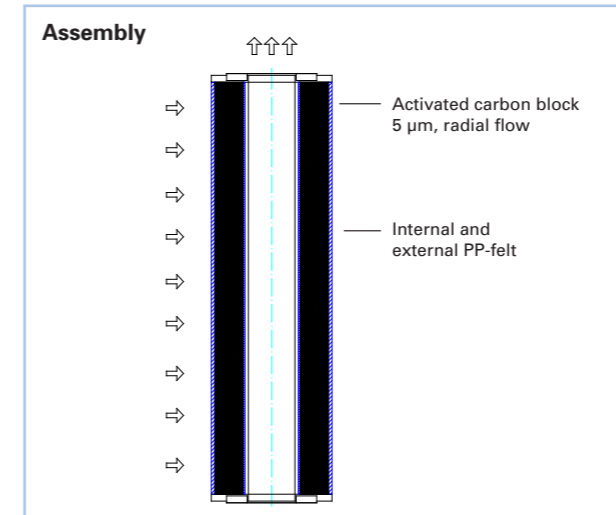
Filter medium:	Aktivated carbon block
	5 µm filter ration
Internal:	Polypropylene
External:	Polypropylene
Outer netting:	Polyethylene
Adapter:	Polypropylene
Gasket:	TPR Thermoplastic Rubber
Temperature:	max. 65 °C
Dimensions:	Standard version:
	Outside diameter 69 mm
	Length 9 3/4", 9 7/8" and 20"
	BigBlue-version:
	Outside diameter 117 mm
	Length 9 3/4" and 20"

Applications

- Reduction of organic and non-organic impurities in aqueous mediums and water
- Reduction of odour- and taste substances
- De-chlorination of water
- De-colouring of fluids

Features and Benefits

- Activated Carbon Cartridge with integrated activated carbon block
- 5 µm filter ration
- Radial flow within the cartridge
- High absorption capacity
- High flow rate capacity
- BigBlue-version with outside-diameter 117 mm



Recommended flow rate / Differential pressure

Typ	Recommended flow rate	Differential pressure
WFAK-05-093/4	5 l/min	5 l/min at 0.07bar
WFAK-05-097/8	5 l/min	5 l/min at 0.07bar
WFAK-05-20	10 l/min	5 l/min at 0.04bar
WFAK-05-093/4BB	10 l/min	5 l/min at 0.03bar
WFAK-05-20BB	20 l/min	5 l/min at 0.01bar

Order information

Typ	Length		Order-No.
WFAK-05-093/4	9 3/4"	248 mm	006986
WFAK-05-097/8	9 7/8"	250 mm	006346
WFAK-05-20	20"	508 mm	006216
WFAK-05-093/4BB	9 3/4"	248 mm	007689
WFAK-05-20BB	20"	508 mm	007690

4.

Sieve Filters, cleanable

Sieve filters are 100% surface filters and are suitable for separating solid particles from fluids. The cartridges only need to be taken out and rinsed

to remove impurities retained on their surfaces. We therefore designate these as cleanable and reusable.

The individual cartridges differ depending on the screen material and how it is processed.

Sieve Filters, cleanable



F40 sieve cartridges

Nylon screen, cylindrical



MS stainless steel

Stainless steel screen, cylindrical screen cartridges



PD-MS stainless steel cartridges

Stainless steel screen, pleated



SRF wedge wire cartridges

Wedge wire element, cylindrical



WFMK Magnetic-Filter-Cartridges

For separation of ferrite particles

Sieve Filters, cleanable



F40 Sieve cartridges, cleanable nylon screens with support

Cleanable nylon screens with Polypropylene support and flat-seals. Due to a screw-on end cap the sieve element can easily be taken out and rinsed manually. Due to special intermediate adapters it is possible to connect two sieve elements with two supports, creating a 19 1/2"- and 20" long sieve filter. F40 Nylon sieves are colour coded according to filter ration.

F40 Sieve filters are suited for a vast range of applications to retain coarser particles from aqueous mediums or to function as a pre-filter in order to protect downstream pumps, valves or spray nozzles.

F40 – Sieve cartridges

Technical data

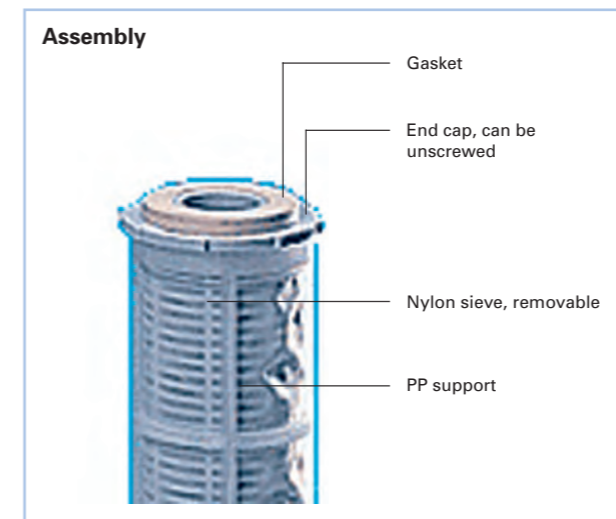
Filter medium:	Nylon screen
Support:	Polypropylene
End cap:	Polypropylene
Gasket:	Buna N
Intermediate adapter:	Polypropylene
Filter ration:	50, 100, 150, 200, 350 µm
Lengths:	9 3/4", 19 1/2", 20"
Diameter:	Internal 26 mm External 67 mm
Temperature:	Max. 80 °C
Differential pressure:	Max. 2,5 bar

Applications

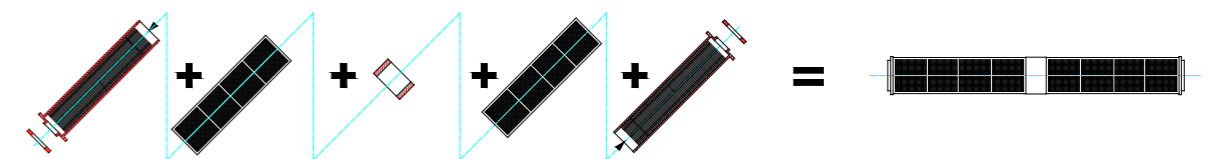
- Pre-filters for water recycling plants
- Dirt strainer for protecting pumps, valves, spray-nozzles or heat-exchangers
- Security filter in cooling circuits
- Course filters for aqueous mediums and lyes

Features and Benefits

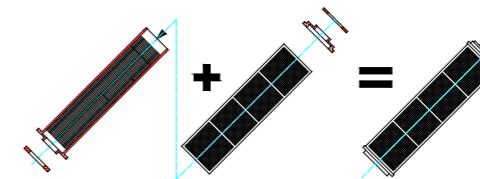
- Cleanable, removable nylon sieve elements
- Fixed Polypropylene support
- Filter ration colour coded
- End caps are screw-ons
- Can be lengthened up to 19 1/2" or 20" with intermediate adapters
- Robust assembly for high differential pressures



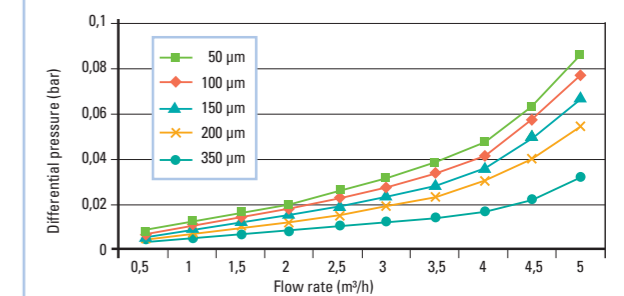
Nylon sieve with support and intermediate adapter for 19 1/2" to 20" installation.



Nylon sieve with support for 9 3/4" installation.



Flow rate



Order information

Designation	Colour	Match code	Order No.
Support with Buna-N gaskets, 9 3/4"	Blue/White	F40-19-248-PPBUN	001236
Nylon sieve 50 µm	White	F40-600-050	003919
Nylon sieve 100 µm	Blue	F40-600-100	004009
Nylon sieve 150 µm	Brown	F40-600-150	003972
Nylon sieve 200 µm	Green	F40-600-200	003973
Nylon sieve 350 µm	Grey	F40-600-350	003996
Intermediate adapter 19 1/2"	Grey	F40-Intermediate adapter 19 1/2"	001412
Intermediate adapter 20"	Grey	F40-Intermediate adapter 20"	001326
Support without gasket	Blue	F40-19-248	001238
Gasket, Buna-N, 3 mm thick	White	F40-DIBUN-support	003879
Gasket, Viton, 3 mm thick	Black	F40-DIVIT-support	000572
Gasket, Buna-N, 5 mm thick	White	F40-DIBUN-support	001129
Gasket, Viton, 5 mm thick	Black	F40-DIVIT-support	002836

Sieve Filters, cleanable

MS – Stainless steel screen cartridges, cleanable sieve elements

MS Stainless steel screen cartridges are robust, multi-functional sieve elements. The stainless steel screens are available in 2 µm to 2000 µm and are mounted on a rigid core support made of perforated stainless steel sheet and are fixed at the end caps without adhesives or binding agents. Apart from the standard version with double-ended openings (DOE), special custom-made filter cartridges with other diameters, lengths and end-cap configurations can be produced.

Typical applications are to be found in the food industry, as well as in solvent-based, viscose products such as varnishes and paints, and/or especially where other filter materials can not be applied due to thermal- or chemical limitations.



MS – Stainless steel screen cartridges

Technical data

Filter medium:	Stainless steel screen 1.4301
Support:	Perforated stainless steel sheet 1.4301
End cap:	Stainless steel 1.4301
Gaskets:	PTFE gaskets
Filter ration:	From 2 µm to 2000 µm
Filter area:	500 cm ² /10"
Lengths:	From 4 7/8" to 40"
Diameter:	Internal Ø 27 mm External Ø 66 mm
Temperature:	Max. 230 °C
Differential pressure:	Max. 10 bar

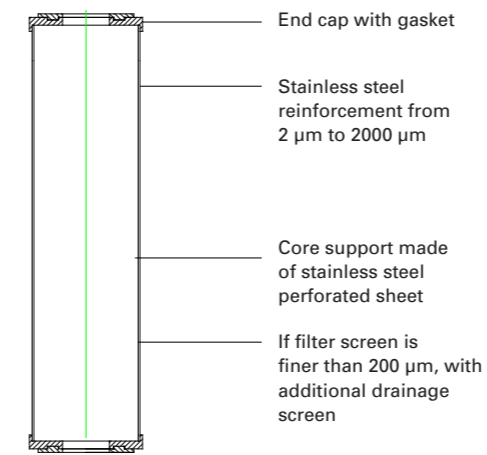
Applications

- Sieve filters for foods such as oils and greases
- End-filters used prior to bottling any viscose mediums such as syrup, marmalade or jam
- Pre-filters for water recycling plants
- Dirt strainers for protecting pumps, valves, spray-nozzles or heat-exchangers
- Security filters for inks, paints, varnishes and adhesives

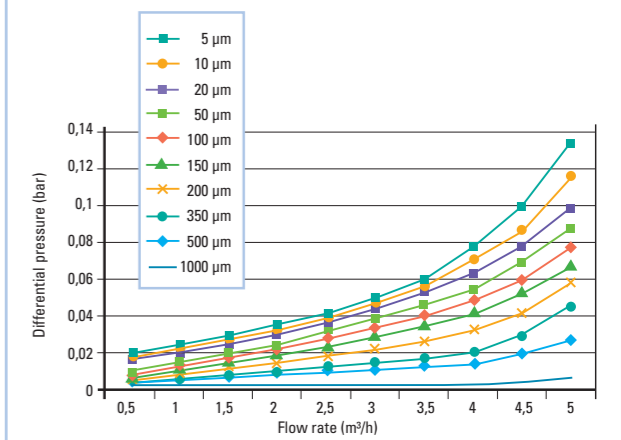
Features and Benefits

- Cleanable sieve elements made of stainless steel screen
- Stable stainless steel core support made of perforated sheeting
- Filter rations from 2 µm to 2000 µm
- Lengths from 4 7/8" to 40"
- Gaskets made from PTFE
- Rigid construction for high differential pressures
- Temperature-durable up to 230 °C
- Applicable for use with foods
- Manufactured without the use of adhesives or binding agents

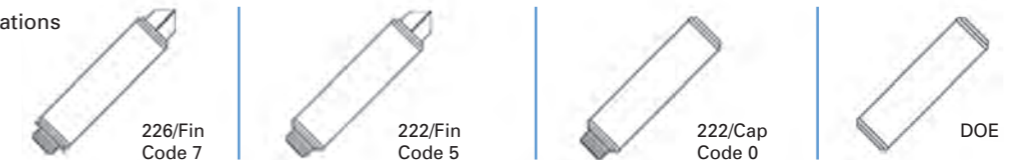
Assembly



Flow rate



Adapter configurations



Order information

MS-	0100	G	09	T	—
MS-Stain- less steel screen cartridges	Filter ration in µm	Design	Length in inches	Sealing compound	Adapter configuration
	2, 3, 5, 10, 20, 50,	External- Ø 66 mm	4 7/8: 124 mm	T: PTFE	- : DOE with end caps
	75, 80, 100, 125,	Internal- Ø 27 mm	5: 127 mm	V: Viton	-0: 222/Cap
	150, 200, 250, 275,		9¼: 248 mm		-5: 222/Fin
	300, 350, 400, 450,		10: 254 mm		-7: 226/Fin
	500, 600, 700, 750,		19½: 496 mm		
	800, 1000, 1200		20: 508 mm		
	2000 µm		29¼: 744 mm		
			30: 762 mm		
			39: 992 mm		
		40: 1016 mm			

Sieve Filters, cleanable

PD-MS – Stainless steel pleated cartridges, cleanable sieve elements

PD-MS Stainless steel pleated cartridges are robust and multi-functional sieve elements with an enlarged filter area due to the pleated structure. The PD-MS Stainless steel pleated cartridges are reverse-flushable and have cleanable surfaces. The stainless steel screens are available in 5 µm to 500 µm and are mounted on a stable core support made of stainless steel perforated sheet with end caps welded on after being pleated. Apart from the standard versions with double-sided open ends (DOE), custom-made filter cartridges with different diameters, lengths and end-cap configurations can be manufactured. Typical applications are to be found in the food industry, when working with solvent based, viscose products such as varnishes and paints, or especially in such areas where other filter materials can not be used due to thermal- or chemical limitations



PD-MS – Stainless steel pleated cartridges

Technical data

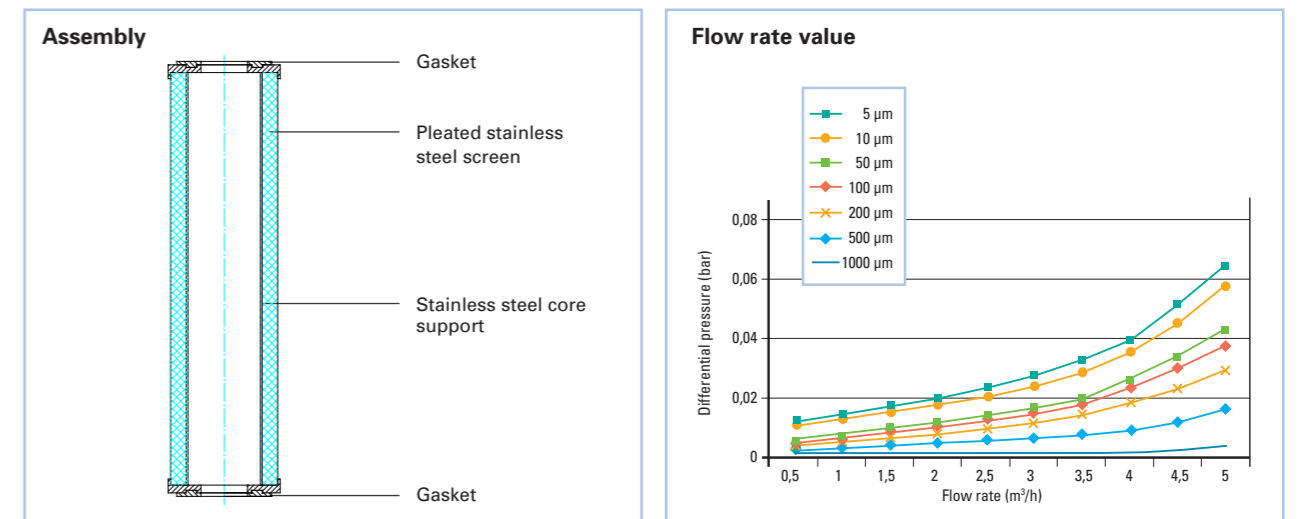
Filter medium:	Stainless steel 1.4301
Support:	Perforated stainless steel sheet 1.4301
End cap:	Stainless steel 1.4301
Gasket:	PTFE gasket
Filter ration:	5 - 500 µm
Filter area:	1500 cm ² /10"
Lengths:	From 4 7/8" to 40"
Diameter:	Internal Ø 28 mm External Ø 69 mm
Temperature:	Max. 200 °C
Differential pressure:	Max. 5 bar

Applications

- Sieve filters for foods such as oils and greases
- End-filters used prior to bottling any viscose mediums such as syrup, marmalade or jam
- Pre-filters for water recycling plants
- Dirt strainers for protecting pumps, valves, spray-nozzles or heat-exchangers
- Security filters for inks, paints, varnishes and adhesives

Features and Benefits

- Cleanable, sieve cartridges made of stainless steel screen
- Enlarged filter area due to pleated structure
- Stable stainless steel core support made of perforated sheet
- Filter rations from 5 µm to 500 µm
- Lengths from 4 7/8" to 40"
- Gaskets made from PTFE
- Rigid construction for high differential pressures
- Temperature-durable up to 200 °C
- Applicable for use with foods



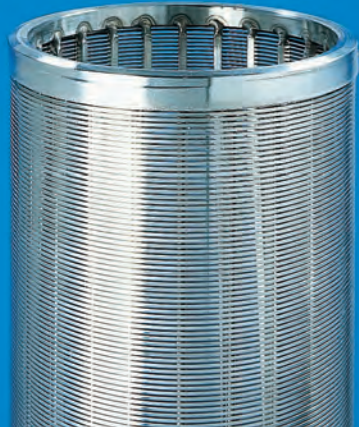
Adapter configurations



Order information

PD-MS-	0100	G	09	T	—
PD MS- Stainless steel pleated cartridges	Filter ration in µm	Design	Length in inches	Sealing compound	Adapter configuration
	5, 10, 25, 50,	External- Ø 69 mm	4 7/8: 124 mm	T: PTFE	- : DOE with end caps
	75, 80, 100, 125,	Internal- Ø 28 mm	5: 127 mm	V: Viton	-0: 222/Cap
	150, 200, 250, 275,		9 3/4: 248 mm		-5: 222/Fin
	300, 350, 400, 450,		10: 254 mm		-7: 226/Fin
	500 µm		19 1/2: 496 mm		
			20: 508 mm		
			29 1/4: 744 mm		
			30: 762 mm		
			39: 992 mm		
		40: 1016 mm			

Sieve Filters, cleanable



SRF Wedge wire filter cartridges, cleanable sieve elements

SRF Wedge wire filter cartridges are distinguishable for their toughness as well as chemical- and thermal durability. SRF Wedge wire filter cartridges are very robust and multi-functional sieve elements. During the manufacture of the SRF Wedge wire filter cartridge a v-structured profile-wire is wound in a spiral manner around a longitudinal profile and inductively welded together at the cross-points. This process guarantees high pressure stability. In this regard wedge wire filter cartridges are easy to reverse-flush. Typical applications are to be found in the food industry, and especially where other filter materials can not be applied due to thermal- or chemical limitations.

SRF Wedge wire filter cartridges

Technical data

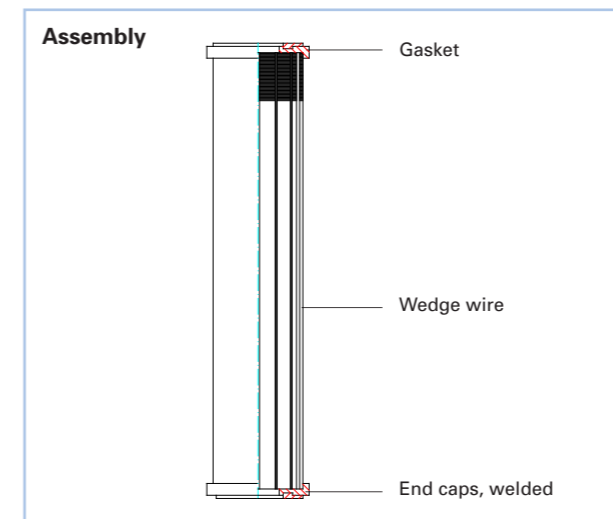
Filter medium:	Stainless steel 1.4435
End cap:	Stainless steel 1.4435
Gaskets:	PTFE gaskets
Filter ration:	25 – 1.000 µm
Filter area:	500 cm ² /10"
Lengths:	From 4 7/8" to 40"
Diameter:	Internal Ø 27 mm External Ø 65 mm
Temperature:	Max. 230 °C
Differential pressure:	Max. 10 bar

Applications

- Sieve filters for foods such as oils and greases
- End-filters used prior to bottling any viscose mediums such as syrup, marmalade or jam
- Pre-filters for water recycling plants
- Dirt strainers for protecting pumps, valves, spray-nozzles or heat-exchangers
- Coarse filters for purifying plant

Features and Benefits

- Cleanable wedge wire cartridges made of stainless steel
- Filter rations from 25 µm to 1.000 µm
- Excellent reverse-flushing
- High pressure stability
- Rigid construction for high differential pressures
- Lengths from 4 7/8" to 40"
- Gaskets made from PTFE
- Temperature-durable up to 230 °C



Recommended Flow Rate / 10"-element

Filter ration in µm	max. flow rate
25 - 100 µm	max. 25 l/min
125 - 1000 µm	max. 60 l/min

Free filter area

Data in reference to 10" -element with 500 cm ² filter area							
25 µm	35 µm	50 µm	75 µm	100 µm	125 µm	150 µm	200 µm
1,2%	1,8%	2,5%	3,7%	4,8%	5,9%	7,0%	9,1%
250 µm	275 µm	300 µm	350 µm	500 µm	750 µm	1000 µm	
11,2%	12,1%	13,1%	14,9%	20,0%	27,3%	33,4%	

Adapter configurations



Order information

SRF-	0100	G	09	T	—
SRF- Wedge wire filter cartridges	Filter ration in µm	Design	Length in inches	Sealing compound	Adapter configuration
	25, 35, 50,	External- Ø 66 mm	4 7/8: 124 mm	T: PTFE	- : DOE with end caps
	75, 100, 125,	Internal- Ø 27 mm	5: 127 mm	V: Viton	-0: 222/Cap
	150, 200, 250, 275,		9¾: 248 mm		-5: 222/Fin
	300, 350, 500, 750,		10: 254 mm		-7: 226/Fin
	1000 µm		19½: 496 mm		
			20: 508 mm		
			29¾: 744 mm		
			30: 762 mm		
			39: 992 mm		
		40: 1016 mm			

Sieve Filters, cleanable



WFMK-Magnetic-Filter-Cartridges for cartridge filter housings

WFMK-Magnetic-Filter-Cartridges for separation of ferrite particles are manufactured in two sizes of 10" and 20" length, suitable for cartridge filter housings with 222-plugs. The installation into the housings is made according to filter cartridges with 222-adapters and double-o-rings. The redirection tube ensures that the liquid flows along the whole length of the magnetic insert and thereby separates the ferrite particles more efficiently.

For removal of the separated ferrite particles the redirection tube can be dismantled from the magnetic insert. Another advantage of the WFMK-Magnet-Filter-Cartridges is, that the Neodym-Magnets can be provided in two different diameters. The field strength of the used Neodym-Magnets is 1,2 Tesla or 12.000 Gauss. The support construction and the redirection tube is made from stainless steel AISI 304. For all cartridge filter housings or non-company housings appropriate custom-made versions can be supplied.

WFMK-Magnetic-Filter-Cartridges

Technical data

Material:	Stainless steel AISI304
O-Rings:	Viton
Filed strength:	1,2 Tesla (12.000 Gauss)
Dimensions:	see table Dimensions
Temperature:	max. 100°C
Flow rate:	The flow rate correlates to the nominal diameter of the housing connection and the flow rate of the next filter step.

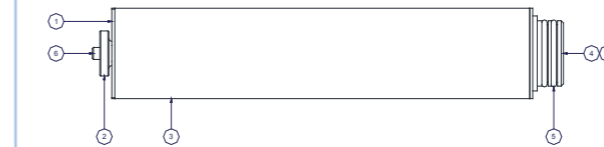
Applications

- Fine filter for cooling circuits
- Particle filter for cleaning baths
- Protection filters for pumps, valves and spray nozzles
- Prefilters for wash- and degreasing baths

Features and Benefits

- Two sizes for Cartridge Filter Housings of 10" and 20" length
- Two different Magnet-diameters
- With 222-adapters and double-o-rings
- With redirection tube for more efficient separation of the ferrite particles and easy removal of the collected particles.
- Field strength 1,2 Tesla (12.000 Gauss)
- Support construction made from AISI 304
- Special custom versions for cartridge filter housings or non-company housings can be supplied

Assembly



Dimensions and Spare parts

Pos.	Designation	Material	Order designation	Order No.
1	Magnet insert	AISI304	WFMK-10-Magnetstab	#999997
			WFMK-20-Magnetstab	#999997
2	Knurled nut	st. st. A2	WFMK-10-Rändelmutter-M8	#999997
3	Redirection tube	AISI304	WFMK-10-Umlenkrohr	#999997
			WFMK-20-Umlenkrohr	#999997
4	Adapter	AISI304	01WTKF-FST-Adapter-222-TG mit M8-Gewinde	#999997
5	O-Ring	Viton	70003-B-ORVIT-222	#007175
6	Pin	AISI304	WFMK10-Gewindestift-M8	#999997
7	Hexagon socket srew	AISI304	WFMK10-Schraube-M8	#999997

Order example

WFMK	10	-	Magnetic Filter Cartridge	-	d34	-	V
1	2		3		4		5

Order Information

Pos.	Bezeichnung
1	WFMK: Magnetic-Filter-Cartridge for cartridge filter housings
2	10: For 10"-Cartridge Filter Housings
	20: For 20"-Cartridge Filter Housings
3	Magnetic Filter Cartridge
4	d30: Bar-diameter 30mm
	d34: Bar-diameter 34mm
5	Material O-Ring
	V: Viton
	E: EPDM
	B: Buna-N
	S: Silikon:
	F: Viton-FEP

5.

Cartridge Filter Housings

You can choose from a large range of cartridge filter housings made of stainless steel or plastic for best results depending on your application's

parameters such as fluid, pressure, temperature and flow rate. All of the cartridge filters are modifiable standard versions. The type, size and

location of the connections, the cover and the surface characteristics of the housings can be adjusted to meet your requirements.

Plastic Housings



NEW

WTP-Plastic housing and -elements

Miniature housings 1/8" to 3/4"



WJ-Junior-PP-PVDF

Polypropylene or PVDF



01WTKF plastic housings

Standard housings 1/4" to 1 1/2"



AVPP housings

Various Series 1/4" to 1 1/2"



01WTBE-PP housings

Vent housings made of polypropylene



PP and PVDF housings

Multiple housings, DN40 to DN100



FA filter units

Ready-to-use filter systems with pump

Stainless Steel Housings



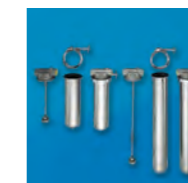
WJ housings

Junior housings 1/2"



01WTGD housings

With round threads and pluggable center post



01WTAF housings

Hanging V-clamp housings 1"



3WT housings

Hanging V-clamp housings 1 1/2"



WTSD housings

Cartridge filter housings with stud bolt and flat cover



WTGD housings

Cartridge filter housings with casted, hinged cover



NEW

WTGDS housings

Cartridge filter housings with hinged cover and socket



WD housings

AD2000-compliant housings DN40 to DN200



NEW

WS housings

Sanitary housings DN25 to DN50



NEW

WTHKE housings

Cartridge filter housings with hanging cartridges



WTP-Plastic housing and –elements



WTP-Plastic housing and –elements

The small filter housings type WTP have a black polypropylene head with a transparent sump made of polyester (PET) or white sump made from polypropylene. The filter head of the series WTPS and WTPM are deliverable from 1/8" to 1/2" internal threads and optionally can be combined with a short or a long sump. The sump of the series WTPL is available in one length only and can be combined with filter heads size 3/8" to 3/4" internal threads.

All WTP-Plastic housings can be equipped with a filter element out of porous PE in the filter ratings of 5µm, 35µm, 80µm and 100µm or with a PP-support and stainless steel sieve element in 50µm, 100µm or 300µm filter rating.

The stainless steel sieve elements are reusable after cleaning. For the mounting of the Housings a PP-mounting-bracket-set with screws is available as an accessory.



NEW

WTP-Plastic housing and –elements

Technical Data

Material:	Filter head:	Polypropylene, black
	Sump:	Polyester (PET), transparent or Polypropylene, white
Inlet / Outlet:	Internal parts:	Polyethylene or PP-support with stainless steel mesh AISI304
	O-ring:	NBR-black (optional EPDM-white, FKM-green)
	WTPS:	1/8", 1/4", 3/8", 1/2"
Drain:	WTPM:	1/8", 1/4", 3/8", 1/2"
	WTPL:	3/8", 1/2", 3/4"
without drain		
Vent:		without vent
Filter elements:	Amount:	1 (PE-Elements or PP-Support with stainless steel sieve element)
Max. operating pressure:		10 bar at 20°C
Max. operating temperature.:		50°C at 4 bar
Flow rate:		The maximum flow rate correlates to the nominal diameter of the housing connection, the length of the sump and the dirt load and viscosity of the media.

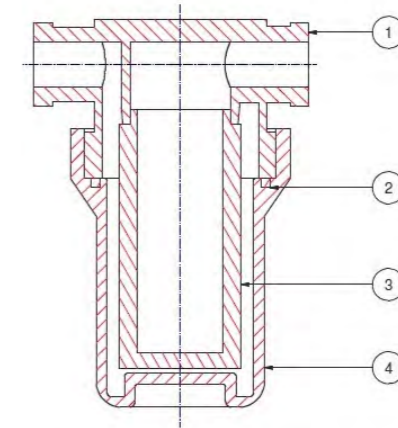
Applications

- Protection for analyse- and measuring instruments
- Fine filter for cooling circuits
- Sieve filters for small flow rates
- End-filters prior to bottling
- Suction filters before pumps
- Filters policing impurities
- Bypass filters for optical control before release

Features and Benefits

- Plastic Filter Housing for small flow rates with black head and transparent or white sump
- Filter elements out of porous PE, 5µm to 100µm or PP-Support with stainless steel sieve element, 50µm to 300µm
- Inline-configuration of inlet and outlet with internal thread connection of 1/8", 1/4", 3/8", 1/2" or 3/4"
- PP-mounting-bracket-set for mounting to the wall as accessory

Spare parts

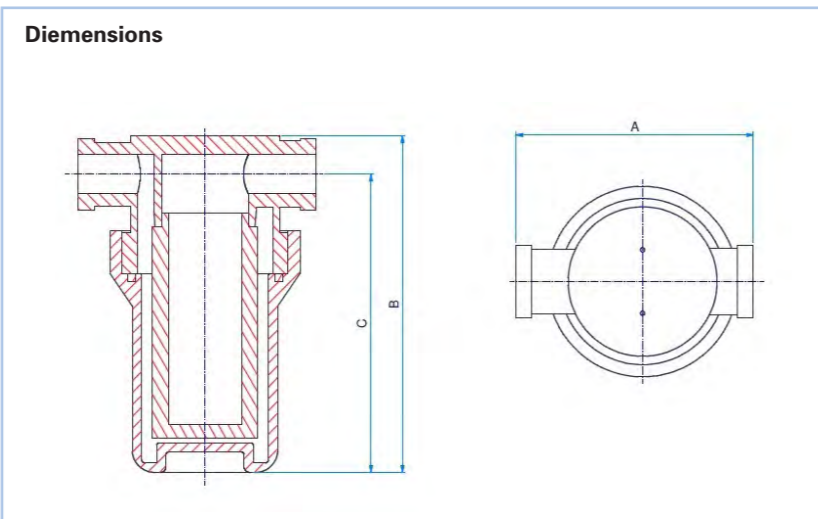


Spare parts

Pos.	Description	Material	Order designation	Order No.	
1	Head	PP	WTPS-Kopf-1/8	008567	
			WTPS-Kopf-1/4	008566	
			WTPS-Kopf-3/8	008565	
			WTPS-Kopf-1/2	008564	
			WTPL-Kopf-3/8	008554	
			WTPL-Kopf-1/2	008555	
2	O-Ring	NBR	WTPS-ORNBR-GEH	008641	
			EPDM	WTPS-OREPR-GEH	999997
				FKM	WTPS-ORFKM-GEH
		WTPL-ORNBR-GEH			008550
		WTPL-OREPR-GEH	999997		
		WTPL-ORFKM-GEH	999997		
3	Filter element	Polyethylene	WTPS-0100-PE	008636	
			WTPM-0100-PE	008647	
			WTPL-0100-PE	008543	
			PP-Support	WTPS-STUE-PP	008637
				WTPM-STUE-PP	008648
		WTPL-STUE-PP		008558	
		Stainless steel sieve element (AISI304)	WTPS-0100-L	008639	
			WTPM-0100-L	008650	
			WTPL-0100-L	008548	
			4	Sump	Polyester (PET), transparent
WTPM-Unterteil-PA	008652				
WTPL-Unterteil-PA	008552				
Polypropylene, white	WTPS-Unterteil-PP	008643			
	WTPM-Unterteil-PP	008653			
	WTPL-Unterteil-PP	008551			

Accessory

5	PP-mounting-bracket-set with screws	PP	WTPS-Haltewinkel-Set	008563
			WTPL-Haltewinkel-Set	008670

**Dimensions**

	Connections	A	B	C
WTPS	1/8"	58	58	48
	1/4"	75	60	49
	3/8"	75	64	51
	1/2"	75	67,5	53
WTPM	1/8"	58	92,5	83,5
	1/4"	75	94,5	84,5
	3/8"	75	98,5	86,5
	1/2"	75	102,5	88,5
WTPL	3/8"	90,5	125	113
	1/2"	90,5	129	115
	3/4"	90,5	134	118

Order example

WTPL	-	R	3/8	-	S	C	B
1		2	3		4	5	6

Order information

Pos.	Designation
1	WTPS = Plastic housing, small
	WTPM = Plastic housing, medium
	WTPL = Plastic housing, large
2	R = BSP pipe thread
	3
3	1/4 = Connection 1/4" (only WTPS and WTPM)
	3/8 = Connection 3/8"
	1/2 = Connection 1/2"
	3/4 = Connection 3/4"
4	S = Filter head, black
5	C = Sump transparent (PET)
	W = Sump white (PET)
6	B = Buna-O-ring
	E = EPDM-O-ring
	V = Viton-O-ring

Cartridge Filter Housings

WJ-Junior-PP-PVDF housings made of Polypropylen or PVDF

The WJ Junior-PP-PVDF housings with ½" in- and outlet are manufactured from either polypropylene or PVDF. The two-part construction consists of filter head and lower part. Four star-grip nuts close the housing. The filter head has a special connecting adapter on which the Junior element adapter with internal o-ring can be mounted. The bottom parts of the Junior elements are available incorporating Junior cartridge types 62.5 L and type 125 L in the corresponding two lengths. The small diameter and low construction height result in a small filling volume.



WJ Junior PP-PVDF-housings

Technical data

Material:	Head: PP or PVDF
	Lower part: PP or PVDF
Screws:	A2
Star-grips:	A2/plastic
O-Rings:	Viton (standard) or EPDM, Silicon or PTFE
In-/Outlet:	R ½" internal thread
Drain:	R ¼" internal thread
Vent:	R ¼" internal thread
	F10: 1/8" with plug
Pressure:	Max. 6 bar at 30 °C
Temperature:	Max. 60 °C at 3 bar
Flow rate:	The maximum flow rate correlates to the diameter of the housing connection and the filter rating markings of the applied filter elements.

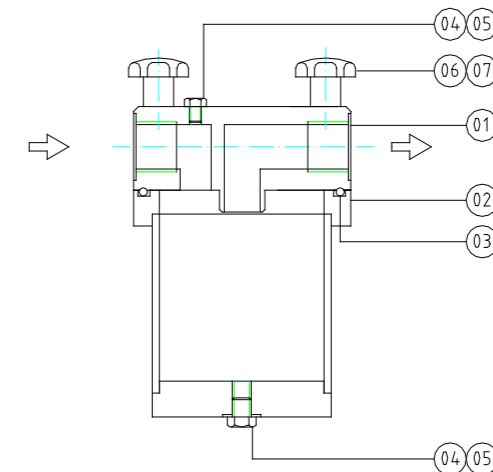
Applications

- Ink filters for industrial ink-jet printers or barcode-labeling devices
- Fine filters for CD- and DVD coating
- End-filter for graphic spray-systems
- Sterile filters for ultrapure water
- Fine-filter for solvents
- Sterile vent filters for tanks
- Protection filters for vacuum pumps

Features and Benefits

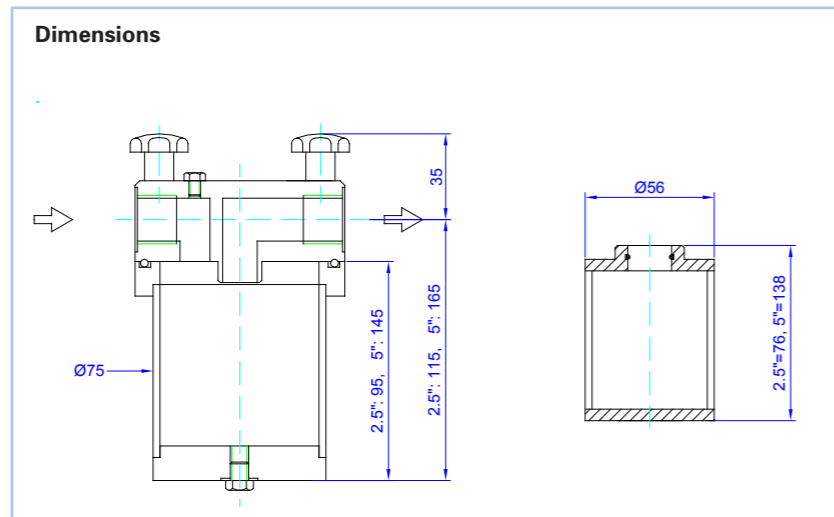
- Cartridge filter housings made of Polypropylene or PVDF
- For Junior elements of 2.5" and 5" in length
- Cap seal with four star-grip nuts
- Small container volume
- Inline configuration of in- and outlet

Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.
1	Head	PP-natural	WJ-Kopf-R½-P	999992
		PVDF	WJ-Kopf-R½-D	999992
2	Lower part	PP-natural	WJ-05-Sumpf-R¼-P	999992
			WJ-02.5-Sumpf-R¼-P	999992
		PVDF	WJ-05-Sumpf-R¼-D	999992
			WJ-6.25-Sumpf-R¼-D	999992
3	O-ring for housing	EPDM	WJ-OREPDM-Geh-P/D	999996
		Viton	WJ-ORVIT-Geh-P/D	999996
		Viton-FEP	WJ-ORFEP-Geh-P/D	999996
		Silicone	WJ-ORSIL-Geh-P/D	999996
4	Vent plug	PP-natural	WJ-ESTOP-¼-P	007151
		PVDF	WJ-ESTOP-¼-D	999992
5	Gasket for drainage and vent	HD300	3WT-DIKLI-ENTL	000364
6	Hex-head screw	Stainless steel A2	WJ-6kt-Schraube-P/D	999992
7	Star-grip M8	A2/Plastic	WJ-Sterngriff—P/D	999992



Dimensions

Housing type	Element diameter	Element length	Connection	Installable filter mediums
WJ-02.5-R1/2-PV/-DV	56 mm	76 mm	½"	WFPPA, WFPES, WFPTFE, MS
WJ-05-R1/2-PV/-DV	56 mm	138 mm	½"	WFPPA, WFPES, WFPTFE, MS

Order example

WJ	-	-05	-	R	-	½	-	P	V
1		2		3		4		5	6

Order information

Pos.	Designation
1	WJ = WJ-Junior housing
2	02.5 = for 2.5" Junior element
	05 = for 5" Junior element
3	R = BSP Pipe thread
	E = threaded part GF screw connection
	TC = TriClamp
4	4 ½ = ½" Internal thread
	15 = diameter DN15
5	5 P = Polypropylene
	D = PVDF
6	6 V = O-Ring Viton
	S = O-Ring Silicone
	E = O-Ring EPDM
	B = O-Ring Buna
	F = O-Ring Viton-FEP-encapsulated

Cartridge Filter Housings

Cartridge filter housing made entirely of polypropylene

01WTKF Cartridge filter housings with internal thread connections of 1/4", 3/8", 1/2", 3/4", or 1" are available with a polypropylene head and a transparent lower part made from SAN or made entirely of polypropylene. Filter housings with 1 1/4" and 1 1/2" connections are implemented with a brass threaded insert. The lower parts made from SAN are suitable to accept filter elements in the lengths of 124 mm (4 7/8"), 127 mm (5") or 248 mm (9 3/4"). An additional lower part with a filter element in the length of 508 mm (20") can be offered for the version with a polypropylene lower part. Bracket mounting kits for the wall assembly of the filter housings can also be supplied. For an easy assembly of the lower parts ring spanners made from plastic are available.



01WTKF Cartridge Filter Housing

Technical data

Material:	Head: 1/4" – 1": Polypropylene 1 1/4" and 1 1/2": PP with brass bushing
	Sump: Polypropylene or SAN, transparent
	O-Ring: Buna
In-/Outlet:	1/4", 3/8", 1/2", 3/4", 1", 1 1/4" or 1 1/2"
Drain:	–
Vent:	–
Filter elements:	01WTKF04: 124 mm long (4 7/8") 01WTKF05: 127 mm long (5") 01WTKF09: 248 mm long (9 3/4") 01WTKF20: 508 mm long (20")
Temperature:	Max. 50°C at 3 bar Max. 8 bar at 20°C
Measurements:	see drawing and table page 2
Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter element.

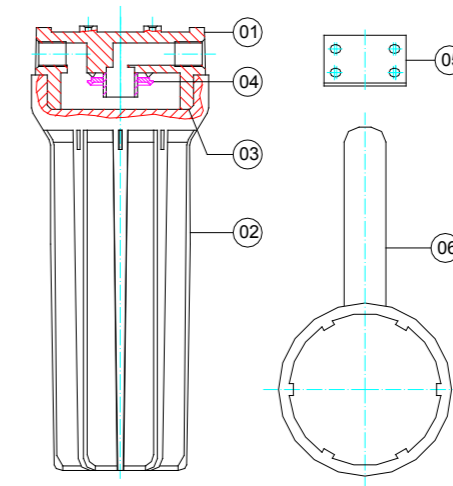
Applications

- Cooling circuits
- Pre-filters for reverse-osmosis plants
- Fine filters for acids and lyes
- Drinking water processing
- Well water

Features and Benefits

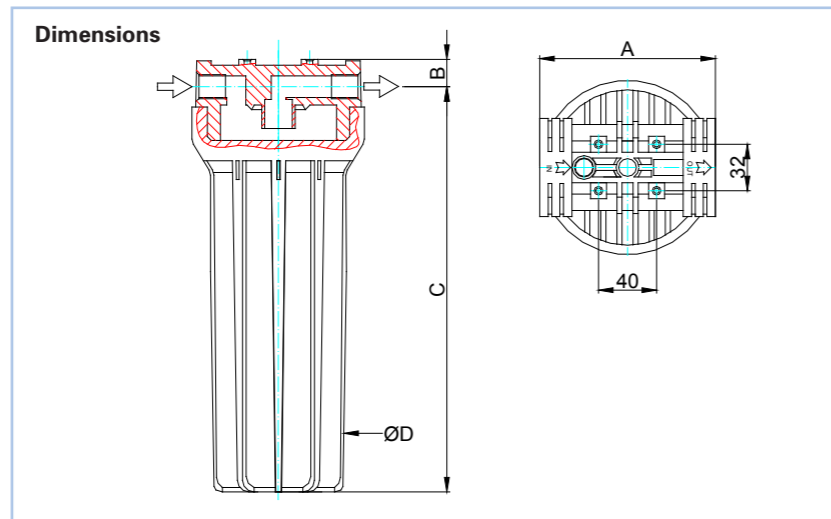
- Connections of 1/4" to 1 1/2"
- 2-part construction consisting of head and lower part
- Made entirely of polypropylene
- Alternatively with transparent SAN sump
- For cartridges 4 7/8" to 20", DOE

Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.
1	Head	Polypropylene, blue	01WTKF-Kopf-1/4	004613
			01WTKF-Kopf-3/8	003666
			01WTKF-Kopf-1/2	003674
			01WTKF-Kopf-3/4	003676
			01WTKF-Kopf-1	003677
			01WTKF-Kopf-1 1/4-Ms	004616
			01WTKF-Kopf-1 1/2-Ms	004618
2	Sump	Polypropylene, blue	01WTKF-Sumpf-05-B	003701
			01WTKF-Sumpf-09-B	003702
			01WTKF-Sumpf-20-B	003703
		SAN, transparent	01WTKF-Sumpf-05-C	003698
			01WTKF-Sumpf-09-C	003700
3	O-ring for housing	Buna	01WTKF-ORBUN-GEH	003687
		EPDM	01WTKF-OREPDM-GEH	004872
		Viton	01WTKF-ORVIT-GEH	006085
4	Adapter 4 7/8"	Polypropylene	01WTKF-Adapter-4 7/8	003707
5	Bracket-mounting kit	Polypropylene/Stainless steel	01WTKF-Haltewinkelset	006065
6	Housing key	Polypropylene	01WTKF-Schlüssel	003704



Dimensions

	01WTKF 04	01WTKF 05	01WTKF 09	01WTKF 20
A	122	122	122	122
B	20 + L	20 + L	20 + L	20 + L
C	160	160	290	545
D	90	90	90	90

L = depending on connection-size ¼ – 1 ½

Order example

01WTKF	04	3/8	-BB	
1	2	3	4	5

Order information

Pos.	Designation
1	01WTKF-Cartridge filter housing
2	04: 124 mm long (4 7/8") 05: 127 mm long (5") 09: 248 mm long (9 ¾") 20: 508 mm long (20")
3	¼: R ¼" Internal thread 3/8: R 3/8" Internal thread ½: R ½" Internal thread ¾: R ¾" Internal thread 1: R 1" Internal thread 1 ¼: R 1 ¼" Brass connection 1 ½: R 1 ½" Brass connection
4	BB: Polypropylene head Polypropylene lower part CB: Polypropylene head SAN lower part
5	- Special fabrication

Accessories, Mountings & Adapters

Fittings and accessories for our filter housings made of stainless steel, brass or plastic increase the use and safety for the user and for the operating personnel. We offer useful accessories and options for all filter housings to complete the standard versions.



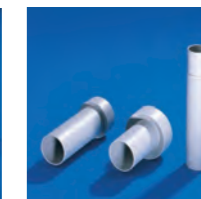
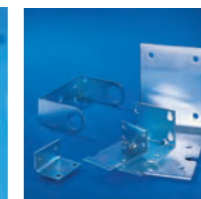
Accessories

Vents necessary for operation to release the pressure when changing filters, instruments suitable for rest-drainage, pressure controls and gauges when using the filter housings are a typical equipment for pressure vessels, and can be custom made and delivered for specific use.



Mountings

Operating and assembly aids such as ring spanners, volume reducers for the reduction of the housing volume, wall brackets or tripods are useful accessories for the installation and maintenance of the filter housings.



Adapters

Adapter components are often necessary when installing Filter elements into the filter housings. We therefore offer a multitude of adaptation possibilities, e.g. adapters for range adjustments, adapters for the connection of additional filter elements or adapters as a centring assistance to be used in the installation of the filter elements.



Cartridge Filter Housings

AVPP SlimLine

AVPP SlimLine filter housings are available in polypropylene, nylon or polypropylene with transparent SAN-ump. Different lengths of sumps in 5", 10" or 20" as well as different connection sizes from 1/4", 3/8" to 1/2" round off the AVPP SlimLine series range. One important feature of the AVPP housings is the special inking of the filter head and filter sump. In regard to this the version made of polypropylene with a blue sump and black filter head is also termed AVPP SlimLine Blue. The nylon version is black and termed AVPP SlimLine Black. In contrast AVPP SlimLine Clear is the name for the filter housing with a transparent sump and light-blue filter head.

AVPP-Standard

Like the AVPP SlimLine, AVPP Standard filter housings are available in polypropylene, nylon or polypropylene with transparent SAN-ump. Additionally a version made of polypropylene-natural is also available. All AVPP Standard housings have a 3/4" connection and sumps in 10" and 20" lengths. These exclude the transparent lower parts made of SAN, which are available in 10" only. The different inking of filter head or filter sump is used to identify and label the AVPP housings. The version made of polypropylene with blue sump and black filter head is labelled AVPP Standard Blue. The nylon version is black and labelled AVPP Standard Black and AVPP Standard Clear is the label of the version with a transparent sump and light blue filter head. Housings made of polypropylene-natural are labelled AVPP Standard natural.

AVPP-BigBlue

AVPP BigBlue filter housings are designed for larger flow rate capacities than the AVPP Standard housings and have connections of 1" and 1 1/2". Special BigBlue filter elements with an external diameter of 110 mm are available to meet requirements of larger flow rates. By using a centring adapter to align the inner cartridges, all filter elements with standard diameter can also be used. AVPP BigBlue housings are made of polypropylene with a black filter head and blue sump of 10" and 20" lengths. All AVPP BigBlue housings can be delivered with an bracket for wall mounting. A plastic ring spanner can also be supplied for an easier opening and closing of the housing sump when changing the filter element.

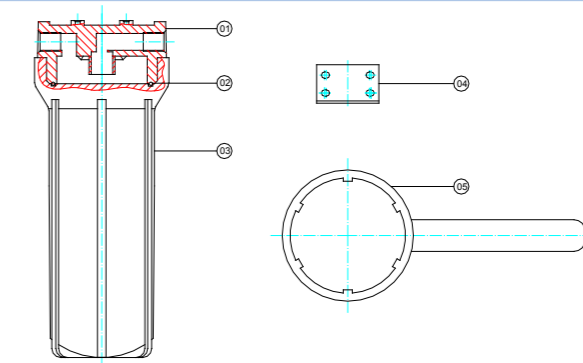
Applications

- Pre-filters for reverse-osmosis plant
- Fine filters for acids and lyes
- Drinking water processing
- Cooling circuits
- Well water

Features and Benefits

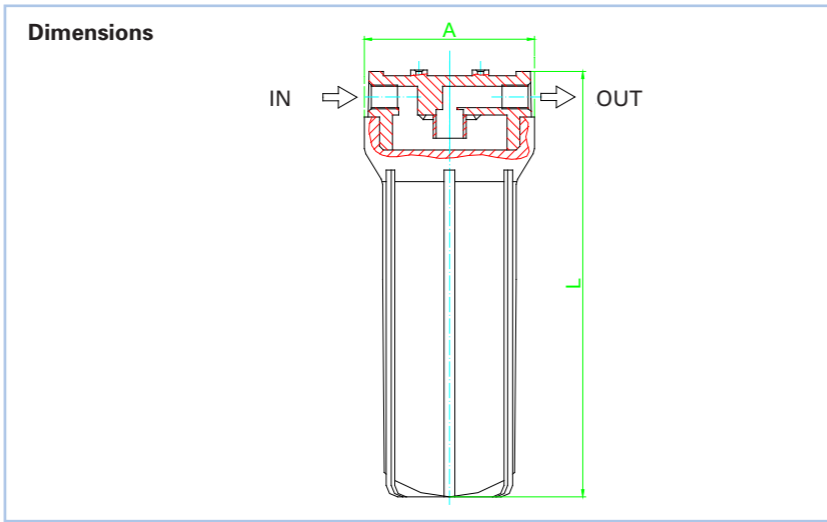
- Connections of 1/4" to 1 1/2"
- 2-part construction consisting of head and sump
- Made entirely of polypropylene, alternatively with transparent sump
- For cartridges 4 7/8", 9 3/4" or 20" lengths

Spare parts



Spare parts

Pos.	Description			Material	Order designation	Order-No.						
1	Head	- SLM	- Blue	PP, black	AVPP-KOPF-1/2SLM-S	000083						
					AVPP-KOPF-1/4SLM-S	000074						
					AVPP-KOPF-3/8SLM-S	000078						
			- Clear	PP, blue	AVPP-KOPF-1/2SLM-B	000085						
					AVPP-KOPF-1/4SLM-B	002825						
					AVPP-KOPF-3/8SLM-B	000080						
			- Black	PA, black	AVPP-KOPF-1/2SLM-BLACK	002559						
					- STM	- Blue	PP, black	AVPP-KOPF-3/4STM-S	000087			
							- Clear	PP, blue	AVPP-KOPF-3/4STM-B	000089		
				- Natural	PP, natural	AVPP-KOPF-3/4STM-N	000104					
					- BBM	- Blue	PP, black	AVPP-KOPF1---BBM-S---HFP	000098			
							AVPP-KOPF11/2BBM-S-HFP	000102				
2	O-ring	- SLM		Buna	AVPP-ORBUN-SL	000140						
					Viton	AVPP-ORVIT-SL	000141					
					EPDM	AVPP-OREPR-SL	001183					
						Viton-FEP	AVPP-ORFEP-SL	003964				
							- STM	Buna	AVPP-ORBUN-ST	000142		
									Viton	AVPP-ORVIT-ST	000143	
						EPDM	AVPP-OREPR-ST	001184				
							- BBM	Viton-FEP	AVPP-ORFEP-ST	004401		
									Buna	AVPP-ORBUN-BB	001136	
							Viton	AVPP-ORVIT-BB	004721			
							EPDM	AVPP-OREPR-BB	001358			
				3	Sump	- SLM	- Blue	PP, blue	AVPP-SUMPF05SL-B	000108		
AVPP-SUMPF10SL-B	000115											
AVPP-SUMPF20SL-B	000119											
	- Clear	PP, clear	AVPP-SUMPF05SL-C						000109			
			AVPP-SUMPF10SL-C						000116			
			AVPP-SUMPF20SL-C						004096			
	- Black	PA, black	AVPP-SUMPF10SL-S						004095			
			- STM						- Blue	PP, blue	AVPP-SUMPF10ST-B	000111
										AVPP-SUMPF20ST-B	000120	
	- Clear	PP, clear	AVPP-SUMPF10ST-C						000112			
			- Black						PA, black	AVPP-SUMPF10ST-R	000113	
										- Natural	PP, natural	AVPP-SUMPF10ST-N-A
			- BBM	- Blue	PP, blue	AVPP-SUMPF10BB-B	000117					
					AVPP-SUMPF20BB-B	000118						
4	Bracket with screws	- SLM		Zinc-plated steel	AVPP-WINKEL-SL	000250						
					- STM	Zinc-plated steel	AVPP-WINKEL-ST	000251				
					- BBM	Stainless steel	AVPP-WINKEL-BB-VA	008441				
5	Key	- SLM		PP	AVPP-KEY-SL-SW1	000244						
					- STM	AVPP-KEY-ST-SW2	000245					
					- BBM	AVPP-KEY-BB-SW3	000246					



Dimensions

Type	- Blue		- Clear		- Black		- Natural	
	A	L	A	L	A	L	A	L
<i>Slimline</i>								
AVPP05SLM	112	170	112	175	112	170		
AVPP10SLM	112	290	112	350				
AVPP20SLM	112	555			112	555		
<i>Standard</i>								
AVPP10STM	130	305			130	310		
AVPP12STM							118	305
AVPP20STM	130	565			130	570	130	570
<i>Big Blue</i>								
AVPP10BBM	185	330			185	335		
AVPP20BBM	185	600			185	605		

Technical Specification

AVPP-SlimLine	- Blue	- Clear	- Black	- Natural
Inlet and outlet	¼", 3/8", ½"	¼", 3/8", ½"	½"	---
Operating pressure	10 bar @ 20°C	10 bar @ 20°C	10 bar @ 20°C	---
Operating temperature	60°C @ 5 bar	50°C @ 6.5 bar	70°C @ 8.5 bar	---
Material filter head	Polypropylene, black	Polypropylene, blue	Polyamid, black	---
Material sump	Polypropylene, blue	SAN, transparent	Polyamid, black	---
Material gaskets	Buna, Viton, EPDM	Buna, Viton, EPDM	Buna, Viton, EPDM	---
Length filter element	Typ 05: 4 7/8" Typ 10: 9 ¾" Typ 20: 20"	Typ 05: 4 7/8" Typ 10: 9 ¾"	Typ 20: 20" Typ 10: 9 ¾"	---

Technical Specification

AVPP-Standard	- Blue	- Clear	- Black	- Natural
Inlet and outlet	¾"	¾"	¾"	¾"
Operating pressure	max. 10 bar @ 20°C	max. 10 bar @ 20°C	max. 10 bar @ 20°C	max. 8 bar @ 20°C
Operating temperature	max. 60°C @ 5 bar	max. 50°C @ 6.5 bar	max. 70°C @ 8.5 bar	max. 60°C @ 3 bar
Material filter head	Polypropylene, black	Polypropylene, blue	Polyamid, black	Polypropylene, natural
Material sump	Polypropylene, blue	SAN, transparent	Polyamid, black	Polypropylene, natural
Material gaskets	Buna, Viton, EPDM	Buna, Viton, EPDM	Buna, Viton, EPDM	Viton
Length filter element	Typ 10: 9 ¾" Typ 20: 20"	Typ 10: 9 ¾" ---	Typ 10: 9 ¾" Typ 20: 20"	Typ 10: 9 ¾" DOE Typ 12: 10" Code 5 Typ 20: 20" DOE Typ 20 : Code 0

Technical Specification

AVPP-BigBlue	- Blue	- Clear	- Black	- Natural
Inlet and outlet	1", 1 ½"	---	---	---
Operating pressure	max. 8 bar @ 20°C	---	---	---
Operating temperature	max. 60°C @ 3 bar	---	---	---
Material filter head	Polypropylene, black	---	---	---
Material sump	Polypropylene, blue	---	---	---
Material gasket	Buna, Viton, EPDM	---	---	---
Length filter element	Typ 10: 9 ¾" Typ 20: 20"	---	---	---

Order example

AVPP	10	BB	M	-	R 1 ½	-	SBB	-	E	-	-	-	-	-	HFP
1	2	3	4		5		6		7		8	9	10		11

Order information

Pos.	Designation
1	AVPP Cartridge filter housings made of plastic
2	05 = Housing length for 4 7/8 cartridges (124 mm) 10 = Housing length for 9 ¾" cartridges (248 mm) 20 = Housing length for 20" cartridges (508 mm) 12 = Housing length for adapter cartridges code 5 (222/Fin) 20-222: for adapter cartridges Code 0 (222/Cap)
3	SL = Slim Line series ST = Standard series BB = BigBlue – series
4	M = Assembly drillings - without assembly drillings
5	Slim Line: R ¼", R 3/8", R ½", In-/outlet Standard: R 3/4 In-/outlet Big-Blue: R 1", R 1 ½" In-/outlet
6	Colour head, sump and material o-ring SBB -> Black-Blue-Buna BCB -> Blue-Clear-Buna NNV -> Natural-Natural-Viton RRS -> Red-Red-Silicone HHS -> Hot-Hot-Silicone HH -> Hot-Hot- without o-ring
7	E = Vent head – red - = without a vent (Standard)
8	S = Plug entering head side- on ¼" - = without plug
9	S = Plug emerging from head side-on ¼" - = without plug
10	A = Drainage plug in sump ¼"
11	HFP = For BB housings with head made of glass-fiber-reinforced PP M6L = M6 thread insert made of V2A in the assembly drillings M6LVRL = like M6L, with protrusion in the head

Accessories, Mountings & Adapters see page 95 (01WTKF-housings)

Cartridge Filter Housings

01WTBE-PP Vent housings made of polypropylene

01WTBE PP Vent housings work in combination with hydrophobic WFPTFE Membrane filter cartridges in dust-free and sterile vent filtration of storage tanks. The two-part polypropylene construction consists of a cap which can be unscrewed, and the connecting part as tank-support with GF screw-connection DN40. The housings can be ordered in three sizes to accommodate a WFPTFE Membrane filter cartridge with adapter configuration Code 0 in the lengths 5", 10" or 20". They are therefore ideal for flow rates of 5-50 Nm³/h at 10-25 mbar differential pressure. 01WTBE housings can also be custom made in stainless steel.



01WTBE-PP Vent housings

Technical data

Material:	Polypropylene, grey (stainless steel on request)
Filter elements:	Quantity: 1
Length:	5", 10", 20"
Adapter:	Code 0
Pressure:	Max. 50 mbar
Temperature:	Max. 40 °C
Flow rate:	The maximum air-flow-rate capacity depends on the permitted differential pressure of the storage container, the connecting nominal diameter of the housing and the type and length of the filter elements. Please see Flow rate capacity table for reference values.

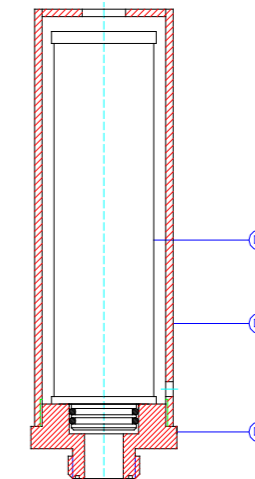
Applications

- Dust-free, sterile venting storage tanks for ultrapure water
- Dust-free, sterile venting storage tanks for buffer containers in bottling plants
- Dust-free, sterile venting storage tanks for concentrate containers for beverages
- Dust-free, sterile venting of storage tanks in batchers

Features and Benefits

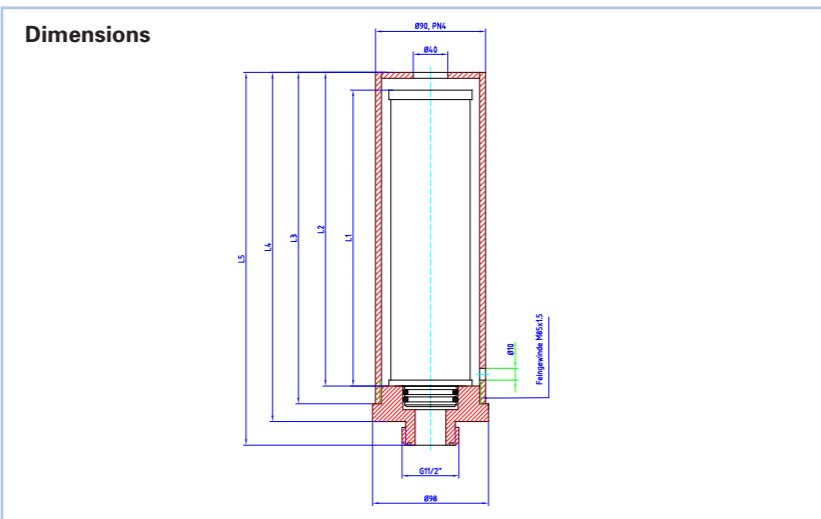
- Vent-filter housings
- Made entirely from polypropylene (stainless steel on request)
- Cap can be unscrewed
- Designed for one filter element code 0
- Three lengths for 5", 10" or 20"
- Tank support connection GF screw-connection DN40
- Flow rate capacity of 5-50 Nm³/h at 10-25 mbar with hydrophobic WFPTFE Membrane filter cartridges

Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.
1	Adapter part	PP-grey	01WTBE-PP-Aufnahmeteil	999992
2	Cap	PP-grey	01WTBE-PP-Haube-05	999992
			01WTBE-PP-Haube-10	999992
			01WTBE-PP-Haube-20	999992
3	WFPTFE-	PTFE,	WFPTFE-0020-05-E0	006183
	Membrane cartridge,	hydrophobic	WFPTFE-0020-10-E0	005738
	hydrophobic		WFPTFE-0020-20-E0	005743



Dimensions

Type	L1	L2	L3	L4	L5
01WTBE05	05" (127 mm)	155	170	185	205
01WTBE10	10" (254 mm)	275	290	305	325
01WTBE20	20" (508 mm)	535	550	565	585

Flow rate capacity

Housing type	Type of membrane filter cartridge	Q for dp 10mbar *	Q for dp 25mbar *
01WTBE05	WFPTFE-0020-05-E0	5 Nm ³ /h	12.5 Nm ³ /h
01WTBE10	WFPTFE-0020-10-E0	10 Nm ³ /h	25 Nm ³ /h
01WTBE20	WFPTFE-0020-20-E0	20 Nm ³ /h	50 Nm ³ /h

* Important notice

The recommended maximum flow rate capacity is only to be used as a reference guide in dry air conditions. This refers to hydrophobic WFPTFE Membrane filter cartridges with 0.2 µm filter ration and a housing nominal diameter of DN50. Depending on the connecting diameter of the housing, the flow rate values can still vary.

Order example

01	WTBE	10	-	DN	40	-	PP	-	-
1	2	3		4	5		6		7

Order information

Pos.	Designation
1	01 = Housing for one filter element
2	WTBE = Wolftechnik vent filter housings
3	05 = Housings for 5" filter cartridges
	10 = Housings for 10" filter cartridges
	20 = Housings for 20" filter cartridges
4	DN = GF srew connection (Standard)
	R = Pipe thread
	F = Flange
	M = Screwed pipe connection DIN 11851
5	40 = Nominal diameter DN40 (Standard)
	50 = Nominal diameter DN50
5	1 ¼ Thread connection 1 ¼"
	1 ½ =Thread connection 1 ½"
	2 = Thread connection 2"
6	PP = Housing material polypropylene-grey (Standard)
	T = Housing material stainless steel
7	- = Filter elements with code 0 (Standard)
	5 = Filter cartridge Code 5
	7 = Filter cartridge Code 7

Cartridge Filter Housings



PP and PVDF cartridge filter housings

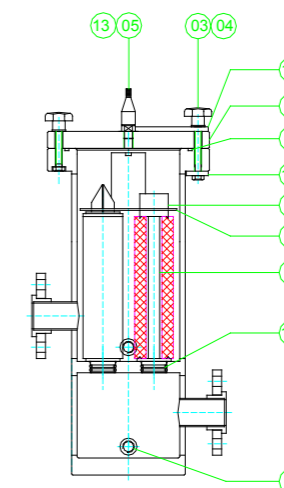
Technical data

Material:	Housing: polypropylene or PVDF
	O-Ring: Viton / Cover reinforcement: 1.4301
In-/Outlet:	See table
Vent:	1/2"
Drainage:	2 x 1/2"
Filter elements:	Code 0: 10", 20", 30" or 40"
	Code 5: 10", 20", 30" or 40"
	DOE: 9 3/4", 10", 19 1/2", 20"
	29 1/4", 30", 39" or 40"
PP Housings: Pressure:	5 bar @ 30°C without cover reinforcement
	6 bar @ 30°C with cover reinforcement
Temperature:	50°C @ 3bar without cover reinforcement
	60°C @ 3bar with cover reinforcement
PVDF Housings: Pressure:	7 bar @ 30°C without cover reinforcement
	8 bar @ 30°C with cover reinforcement
Temperature:	80°C @ 3bar without cover reinforcement
	90°C @ 3bar with cover reinforcement
Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter element.
Applications	<ul style="list-style-type: none"> • Fine filter for acids and lyes • Pre-filter for reverse osmosis plants • End-filter for ultrapure water plants • Particle filter for cleaning baths • Protection filter for spray nozzles and instruments • End-filter for active carbon filters and ion exchangers
Features and Benefits	<ul style="list-style-type: none"> • Cartridge filter housing made of plastic • Made entirely of polypropylene or PVDF • For 3 to 12 filter elements of 9 3/4" to 40" in length • Applicable for filter elements of type DOE, code 0 or code 5 • With cover reinforcement for increased pressures and temperatures • With flange connection or GF connection part for inlet/outlet

PP and PVDF cartridge filter housings made of plastic

Multi-housings made of polypropylene or PVDF for the installation of 3, 5, 7 or 12 filter cartridges in the lengths 10", 20", 30" or 40". The cover can be removed without tools, but with the aid of plastic star-grips. Apart from the connections for in- and outlet the housing has a 1/2" vent plug as well as two 1/2" drain plugs for dirt- and clean side. The connections for both in- and outlet are equipped with either a flange or GF connection piece which can be screwed on. Custom made equipment such as manometers or additional instrumentation as well as special inlet/outlet positions and connection types are available on request. For higher pressures or higher temperatures covers and container flange with a stainless steel reinforcement are implemented. All housings undergo a compression test in the factory, before being released for dispatch. Filter cartridge versions with center posts and plug-in adapters can be exchanged easily by screwing the nut on without having to remove the adapter from the intermediate plate. All general-use filter elements with double open ends can be used. If center posts are removed, filter cartridges with Code 0 or Code 5 adapters can be used. An additional centering and pressure device can be provided for multi-housings. This attaches the cartridges and prevents them from being pushed off the intermediate plate by pressure impacts which go against the filter direction.

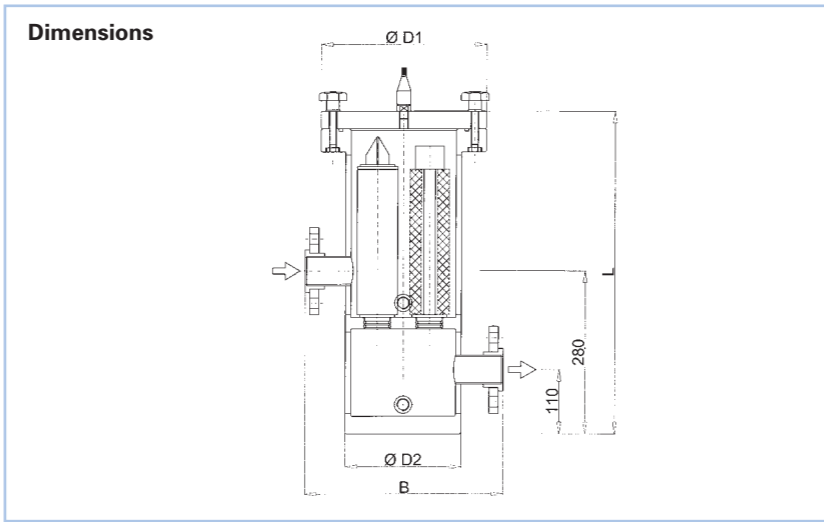
Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.
1	Cover	Polypropylene	03PP-Deckel	999992
			05PP-Deckel	999992
			07PP-Deckel	999992
			12PP-Deckel	999992
2	O-ring housing	Viton	03PP-ORVIT-GEH	007464
			05PP-ORVIT-GEH	001086
			07PP-ORVIT-GEH	001089
			12PP-ORVIT-GEH	002054
3	Star-grip nut	Plastic	Sterngriffmutter M10	999997
4	Screw	A2	PP-Gehäuseschraube	999997
5	Vent	Polypropylene	PP-Entlüftung-V61	003376
6	Drainage plug	Polypropylene	PP-STOPFEN-1/2	004759
7	Nut	Polypropylene	PP-Gegenhalter	999992
8	Centering device	Polypropylene	03PP-Zentriervorrichtung	999992
			05PP-Zentriervorrichtung	999992
			07PP-Zentriervorrichtung	999992
			12PP-Zentriervorrichtung	999992
9	Center post 10"	Polypropylene	PP-FST10-222	002195
	Center post 20"		PP-FST20-222	008381
	Center post 30"		PP-FST30-222	007168
	Center post 40"		PP-FST40-222	007171
10	O-ring adapter	Viton	ORVIT-222	007175
11	Reinforcement ring	1.4301	03PP-Verstärkungsring	006578
			05PP-Verstärkungsring	003630
			07PP-Verstärkungsring	003574
			12PP-Verstärkungsring	004698
12	Reinforcement plate	1.4301	03PP-Verstärkungsplatte	006579
			05PP-Verstärkungsplatte	003631
			07PP-Verstärkungsplatte	003573
			12PP-Verstärkungsplatte	004699
13	O-ring vent	Viton	PP-Astop-ORVIT	003880

Important notice: PVDF housings for spare parts are given the letters "PVDF" instead of "PP" on the order designation.

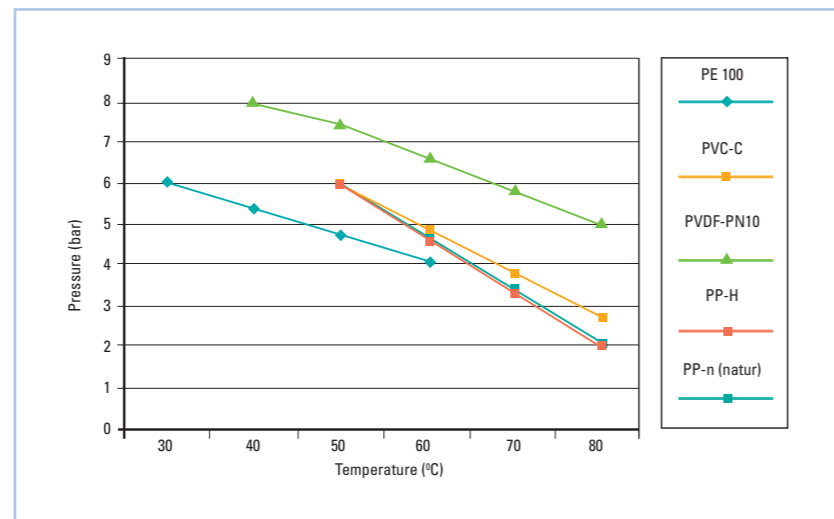


Dimensions

	Elements	Connections	L	B	D1	D2
03PP10	3 x 10"	DN40	540	340	270	200
03PP20	3 x 20"	DN40	790	340	270	200
03PP30	3 x 30"	DN40	1040	340	270	200
05PP10	5 x 10"	DN50	560	375	320	250
05PP20	5 x 20"	DN50	815	375	320	250
05PP30	5 x 30"	DN65	1075	375	320	250
05PP40	5 x 40"	DN65	1325	375	320	250
07PP20	7 x 20"	DN65	815	400	350	280
07PP30	7 x 30"	DN80	1075	400	350	280
07PP40	7 x 40"	DN80	1325	400	350	280
12PP20	12 x 20"	DN80	850	510	440	355
12PP30	12 x 30"	DN100	1110	510	440	355
12PP40	12 x 40"	DN100	1360	510	440	355

Pressure and temperature

The stability of plastic depends on temperature. An orientation guide to the materials PE, PVC, PVDF, PP and PP-natural is to be found in the adjoining pressure/ temperature diagram. Please keep in mind that the values given are the values for semi-finished products. The maximum operating pressure in conjunction with the working temperature, as well as the maximum working temperature with the corresponding operating pressure of our filter housings, can be obtained from the technical data given.



Order example

05	PP	20	E	50	-	V	V	H	S	S	222	-	X
1	2	3	4	5		6	7	8	9	10	11		12

Order information

Pos.	Designation
1	03; 05; 07; 12 = Number of cartridges
2	Housing material PP = Polypropylene PE = Polyethylene PVC = Polyvinyl chloride PVDF = polyvinylidene fluoride
3	Cartridge length 10 = 9 3/4" + 10" 20 = 19 1/2" + 20" 30 = 29 1/4" + 30" -it is important to pay attention to the cartridge length 40 = 39" + 40" -it is important to pay attention to the cartridge length
4	F = Flange connection E = GF Screw-connection (external thread)
5	Nominal diameter DN 20; 25; 32; 50; 65; 80; ...
6	V = with cover reinforcement of 1.4301
7	- = without cover reinforcement V = Housing seal Viton F = Housing seal Viton FEP B = Housing seal Buna
8	E = Housing seal EPDM
9	S = Plug 1/2" head H = Drain valve 1/2" V61 (standard) S = Plug 1/2" clean chamber (standard)
10	H = Drain valve 1/2" V61 S = Plug 1/2" dirt chamber (standard)
11	H = Drain valve 1/2" V61 222 = Without center posts for adapter cartridges 222 DOE = With center posts for DOE Filter elements (previously BAS)
12	X = Attachment for models, custom made

Cartridge Filter Housings



FA-Filter units made of PP or PVDF

FA Filter units made of PP or PVDF are compact, space-saving filter units. Equipped with magnet-driven centrifugal pumps they are especially suited for filtration of acids or to recycle galvanic baths. All FA filter units are delivered completely assembled; including an electrical cable and on/off switch. The cap houses a pressure gauge for pressure control. The cap can be opened with plastic stargrips, without tools. There are either one or more center posts within the filter housing to accommodate filter cartridges with double-ended openings. The center posts have been inserted into the intermediate plate of the filter housing via an adapter with a double o-ring 222. By extracting the center posts, the filter housings can be fitted with adapter cartridges code 0 or code 5. The FA filter units listed below display the standard version. At your request we custom make and deliver special connection sizes and types.

FA Filter units

Technical data

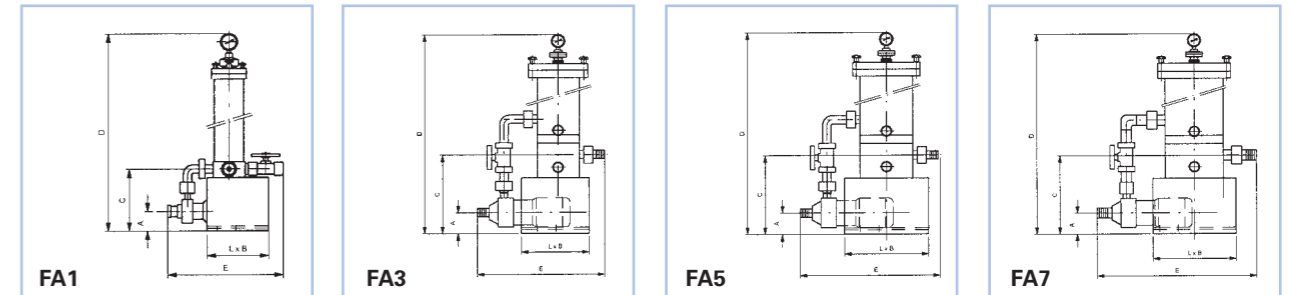
Material:	Housing: polypropylene or PVDF
	O-Ring: viton
	Cover reinforcement: 1.4301
In-/Outlet:	See table
Vent:	1/2"
Drainage:	2 x 1/2"
Filter elements:	Code 0: 10", 20", 30" or 40"
	Code 5: 10", 20", 30" or 40"
	DOE: 9 3/4", 10", 19 1/2", 20"
	29 1/4", 30", 39" or 40"

PP Housings:	Pressure:	5 bar @ 30°C without cover reinforcement
		6 bar @ 30°C with cover reinforcement
	Temperature:	50°C @ 3bar without cover reinforcement
		60°C @ 3bar with cover reinforcement

PVDF Housings:	Pressure:	7 bar @ 30°C without cover reinforcement
		8 bar @ 30°C with cover reinforcement
	Temperature:	80°C @ 3bar without cover reinforcement
		90°C @ 3bar with cover reinforcement
	Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter element.

Applications	<ul style="list-style-type: none"> Filtration of acids and lyes Recycling of galvanic baths Inter-tank transfer of chemicals
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Features and Benefits	<ul style="list-style-type: none"> Ready-to-use filter systems With a magnet-powered centrifugal pump Made of PP or PVDF Different construction sizes and lengths Space saving construction
-----------------------	--



FA1	Plant	Cartridges	Possible pumps	L x B	A	C	D	E
	FA1-10	1 x 09 3/4" 1 x 10"	M4E-EP-R230 M5E-EP-R230 M5.5-EP-R230	230 x 170	74	230	650	380
	FA1-20	1 x 19 1/2" 1 x 20"		230 x 170	74	230	900	380
	FA1-30	1 x 29 1/4" 1 x 30"		230 x 170	74	230	1150	380
	FA1-40	1 x 39" 1 x 40"		230 x 170	74	230	1400	380
Dimensions in reference to pump type M5E-EP-R230. Subject to modifications.								

FA3	Plant	Cartridges	Possible pumps	L x B	A	C	D	E
	FA3-10	3 x 09 3/4" 3 x 10"	M5E-EP-R230 M5.5E-EP-R230 M6E-EP-R400 M7E-EP-R400	320 x 260	91	360	1005	450
	FA3-20	3 x 19 1/2" 3 x 20"		320 x 260	91	360	1255	450
	FA3-30	3 x 29 1/4" 3 x 30"		320 x 260	91	360	1505	450
	FA3-40	3 x 39" 3 x 40"		320 x 260	91	360	1755	450
Dimensions in reference to pump type M6E-EP-R400. Subject to modifications.								

FA5	Plant	Cartridges	Possible pumps	L x B	A	C	D	E
	FA5-10	5 x 09 3/4" 5 x 10"	M5.5E-EP-R230 M6E-EP-R400 M7E-EP-R400 M8E-EP-R400	400 x 400	101	370	1030	610
	FA5-20	5 x 19 1/2" 5 x 20"		400 x 400	101	370	1285	610
	FA5-30	5 x 29 1/4" 5 x 30"		400 x 400	101	370	1550	610
	FA5-40	5 x 39" 5 x 40"		400 x 400	101	370	1805	610
Dimensions in reference to pump type M7E-EP-R400. Subject to modifications.								

FA7	Plant	Cartridges	Possible pumps	L x B	A	C	D	E
	FA7-10	7 x 09 3/4" 7 x 10"	M5.5E-EP-R230 M6E-EP-R400 M7E-EP-R400 M8E-EP-R400 M10E-EP-R400	400 x 400	136	385	1220	680
	FA7-20	7 x 19 1/2" 7 x 20"		400 x 400	136	385	1465	680
	FA7-30	7 x 29 1/4" 7 x 30"		400 x 400	136	385	1720	680
	FA7-40	7 x 39" 7 x 40"		400 x 400	136	385	1975	680
Dimensions in reference to pump type M8E-EP-R400. Subject to modifications.								

Cartridge Filter Housings

WJ Junior Housings made of stainless steel

WJ Junior Housings with ½" in- and outlet are made of stainless steel. The three-piece construction consists of filter head, lower part and v-clamp to close the housing. The filter head features a special connecting extrusion on which the Junior element adapter with internal o-ring can be attached. The lower parts of the Junior housings can be delivered to accommodate Junior element type 62.5 L in the corresponding two lengths. The small diameter and the small construction height result in a small filling volume.



WJ Junior Housings made of stainless steel

Technical data

Material:	Head: 1.4401 (AISI 316)
	Lower part: 1.4401 (AISI 316)
	V-clamp: 1.4301 (AISI 304)
	Gasket: EPDM, Viton or PTFE
In-/Outlet:	R ½" internal thread
Drainage:	R ¼" internal thread
Vent:	R ¼" internal thread
Pressure:	Max. 10bar
Temperature:	Max. 95°C (EPDM)
Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter element.

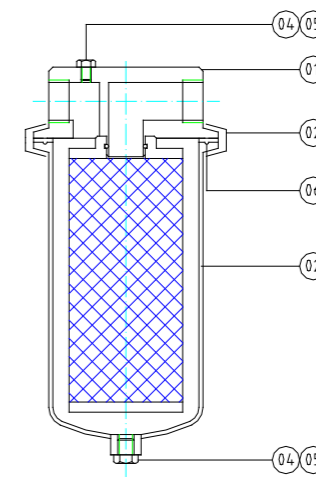
Applications

- Ink filters for industrial ink-jet printers
- Ink filters for barcode labelling devices
- Fine filters for CD- and DVD- labelling
- End-filter for graphic spray-systems
- Sterile filters for ultrapure water
- Fine filter for solvents
- Vent filters for containers
- Protection filters for vacuum pumps

Features and Benefits

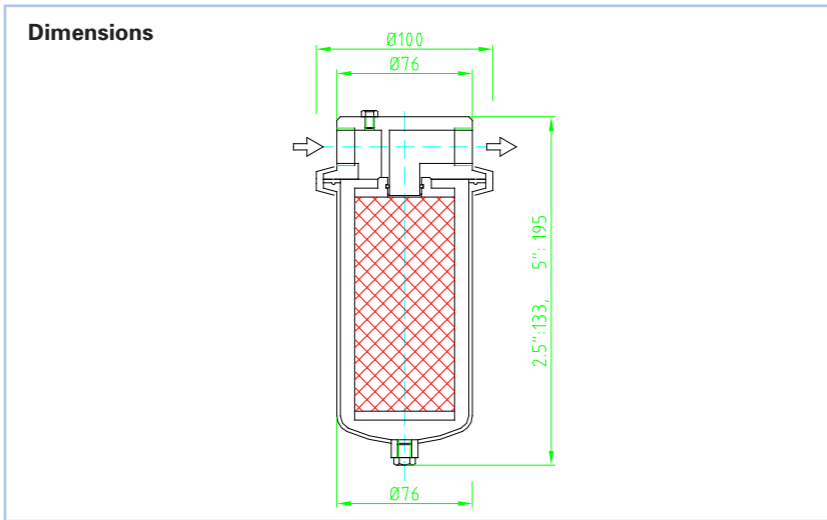
- Cartridge filter housings made of stainless steel with v-clamp
- For Junior elements of 2.5" and 5" length
- Internal and external electro-polished
- Small filling volume
- Inline alignment of in- and outlet

Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.
1	Head	Stainless steel 316	WJ-Kopf-R½	999992
2	Sump	Stainless steel 316	WJ-05-Sumpf-R¼	999992
			WJ-02.5-Sumpf-R¼	999992
3	O-ring for housing	EPDM	WJ-OREPDM-Geh	999996
		Viton	WJ-ORVIT-Geh	999996
		Viton-FEP	WJ-ORFEP-Geh	999996
4	Plug drainage and vent	Stainless steel 316	3WT-ESTOP-¼-T	007151
5	Flat seal drainage and vent	PTFE	3WT-DIKLI-ENTL	000364
6	V-clamp	Stainless steel 304	WJ-Spannklammer	999992



Dimensions

Type (of) housing	Element diameter	Element length	Inlet/Outlet	Installable filter media
WJ-02.5-R½-TV	56 mm	76 mm	½"	WFPPA, WFPES, WFPTFE, MS
WJ-05-R½-TV	56 mm	138 mm	½"	WFPPA, WFPES, WFPTFE, MS

Order example

WJ	05-	R	½-	T	V
1	2	3	4	5	6

Order information

Pos.	Designation
1	WJ = WJ Junior housings
2	02.5 = for 2.5" Junior element
	05 = for 5" Junior element
3	R = pipe thread
	M = Screwed pipe connection DIN 11851
	TC = TriClamp
4	½ = ½" Internal thread
	15 = Nominal diameter DN15
5	T = Stainless steel 1.4571, electro-polished
6	V = O-ring viton
	S = O-ring silicon
	E = O-ring EPDM
	B = O-ring Buna
	F = O-ring PTFE

Cartridge Filter Housings

01WTGD-Cartridge Filter Housing Made from stainless steel with round threads and pluggable center post from perforated tubes

Multi-purpose filter housing for a wide range of industrial applications. The two-piece housing construction consists of a filter head made of casted stainless steel and a sump with round threads to screw it into the filter head. The connection sizes of the filter head are 3/4", 1" and 1 1/4" for sumps to accept one filter element in the lengths of 4 7/8" - 5", 9 3/4" - 10" or 19 1/2" - 20". To install filter elements with double open end (DOE) a pluggable center post made from perforated tubes with 222-adapter and compression nut is provided. Without the center posts filter elements with adapter Code 0 or Code 3 (222/Cap) can be installed. A spring in the bottom of the sump is provided to hold the filter element in position.



01WTGD-Cartridge Filter Housing

Technical data

Material:	Filter head: 1.4404 (AISI 316L) Sump: 1.4404 (AISI 316L) / 1.4571 Installations: 1.4404 (AISI 316L)
	Spring: 1.4310
	Gaskets: PTFE
	O-Ring: Viton (optionally made of Buna, Silikon, EPDM, FEP-encapsulated)
Inlet / Outlet:	3/4", 1" or 1 1/4"
Vent:	1 x 1/8" vent valve 1 x 1/8" with plug
Drain:	3/8" with plug
Filter elements:	Quantity: 1 (DOE with center post, Code 0/3 without center post) Length: 4 7/8" - 5", 9 3/4" - 10" oder 19 1/2" - 20"
Max. operating pressure:	25 bar
Max. operating temperature:	95°C (depending on filter element)
Flow rate:	The flow rate capacity correlates to the nominal diameter of the connections, the length of the sump and the characteristic curve of the flow rate of the chosen filter element.

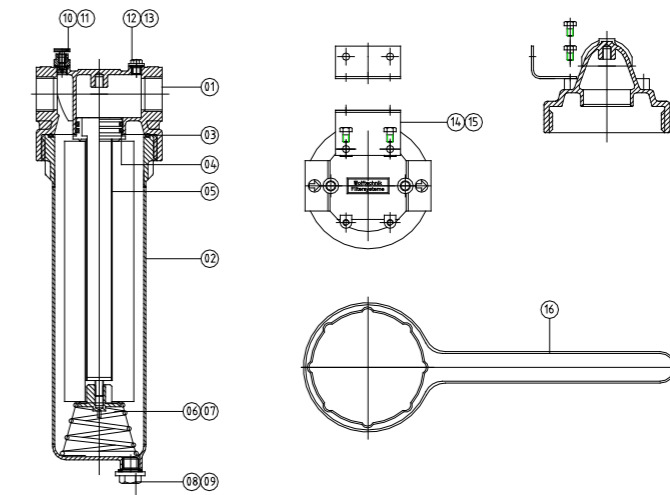
Applications

- Process filter for paint and varnishes
- Pre-filter for water recycling plants
- Particle filter for cleaning baths
- Fine filter for cooling circuits
- Post-filter for active carbon filters or ion exchangers
- Protection filters for valves and spray nozzles
- End-filter for bottling liquids

Features and Benefits

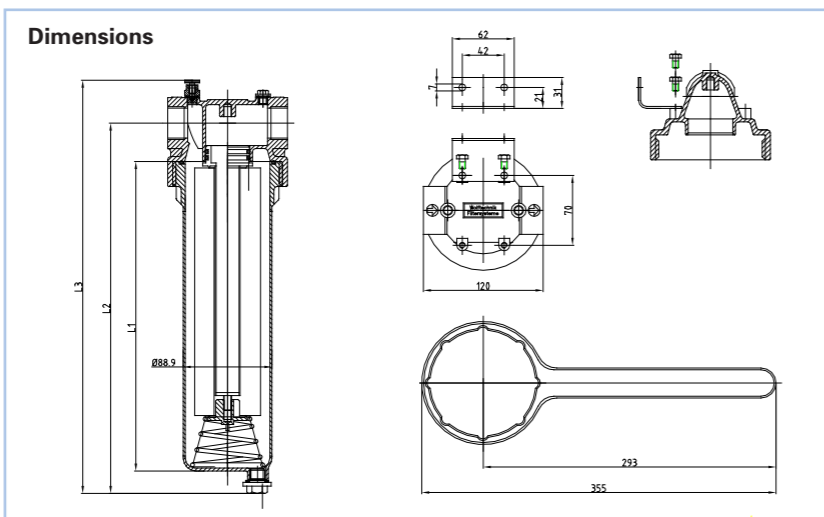
- Filter head made of cast stainless steel in 3/4", 1" or 1 1/4"
- Sump for 4 7/8", - 5", 9 3/4" - 10" or 19 1/2" - 20"
- Round threads to screw the sump into the filter head
- Pluggable center post from perforated tubes for DOE-elements
- Without center post for filter element Code 0 or Code 3
- Inline alignment of in- and outlet.
- Simple to clean as easy to take apart

Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.	
1	Head	Stainless Steel 1.4404	01WTGD -Kopf-R3/4	008293	
			01WTGD -Kopf-R1	008292	
			01WTGD -Kopf-R1 1/4	008291	
2	Sump	Stainless Steel 1.4404 1.4404/1.4571	01WTGD-Unterteil-05	008294	
			01WTGD-Unterteil-10	008295	
			01WTGD-Unterteil-20	008296	
3	O-ring for housing	Viton	01WTKF-ORVIT-GEH-CB/BB/GD	006085	
			Viton FEP-encapsulated	01WTKF-ORFEP-GEH-CB/BB/GD	008323
			EPDM	01WTKF-OREPDM-GEH-CB/BB/GD	004872
			Buna	01WTKF-ORBUN-GEH-CB/BB/GD	003687
			Silikon	01WTKF-ORSIL-GEH-CB/BB/GD	999996
4	Center ring	Viton	70003-B-ORVIT-222	007175	
			Viton FEP-encapsulated	70003-FEP-Viton	004405
			EPDM	70003-C-EPDM	006610
			Buna	70003-D-Buna	004061
5	Center post	Stainless Steel 1.4404	WTKF-FST-LO-05-222-TG	007442	
			WTKF-FST-LO-10-222-TG	007443	
			WTKF-FST-LO-20-222-TG	007444	
6	Adjustment screw	Stainless Steel 1.4404	01WTKF-FST-Gegenhalter-222-TG	006944	
7	Locking pin	Stainless Steel 1.4404	01WTKF-Andrückfeder-222-TG	006222	
8	Drain plug	Stainless Steel 1.4571	01WTKF-ASTOP-R3/8-T	000700	
9	Drain gasket	PTFE	01WTKF-DIPTFE-Abläss	000692	
10	Vent valve	Stainless Steel 1.4571	01WTKF-EVENT-T	000715	
11	Vent gasket	PTFE	01WTKF-DIPTFE-Entlüftung	006441	
12	Vent plug	Stainless Steel 1.4571	01WTKF-ESTOP-R1/8-T	000720	
13	Vent gasket	PTFE	01WTKF-DIPTFE-Entlüftung	006441	
14	Mounting bracket	Stainless Steel 1.4571	01WTKF-Winkel-TG	000752	
15	Screw	Stainless Steel A4	01WTKF-Winkel-Schraube	006443	
16	Key	Plastic	01WTKF -Schlüssel-TG	000369	



Dimensions

Housing	L1	L2	L3	Inlet/Outlet	Filter Cartridge
01WTGD05	185	245	290	¾", 1", 1 ¼"	4 7/8" - 5" (124 - 127 mm)
01WTGD10	310	370	415	¾", 1", 1 ¼"	9 ¾" - 10" (248 - 254 mm)
01WTGD20	565	625	671	¾", 1", 1 ¼"	19 ½" - 20" (496 - 508 mm)

With center post for DOE-elements (double open end)

Without center post for filter elements with adapter Code 0 and Code 3 (222/Cap)

Order example

01WTGD	10	R	1	DOE	T	V	-
1	2	3	4	5	6	7	8

Order information

Pos.	Designation
1	01WTGD-Cartridge filter housing
2	05: Size for 4 7/8" - 5" cartridges
	10: Size for 9 ¾" - 10" cartridges
	20: Size for 19 ½" - 20" cartridges
3	R: BSP Pipe thread
	F: Flange
	M: Screwed pipe connection DIN11851
	TC: TriClamp connection
4	¾": Connection ¾"
	1": Connection 1"
	1 ¼": Connection 1 ¼"
	20: DN20
	25: DN25
	32: DN32
5	DOE: With center post for DOE-elements
	222: Without center post for Code 0/3
6	T: Head made of casted stainless steel,
	Sump made of stainless steel
	Installations made of stainless steel
7	V: Viton-O-ring
	F: FEP-encapsulated Viton
	S: Silicone-O-ring
	E: EPDM-O-ring
	B: Buna-O-ring
8	Labeling for special equipment

Accessories, Mountings & Adapters

Fittings and accessories for our filter housings made of stainless steel, brass or plastic increase the use and safety for the user and for the operating personnel. We offer useful accessories and options for all filter housings to complete the standard versions.



Accessories

Vents necessary for operation to release the pressure when changing filters, instruments suitable for rest-drainage, pressure controls and gauges when using the filter housings are a typical equipment for pressure vessels, and can be custom made and delivered for specific use.

Mountings

Operating and assembly aids such as ringer spanners, volume reducers for the reduction of the housing volume, wall brackets or tripods are useful accessories for the installation and maintenance of the filter housings.

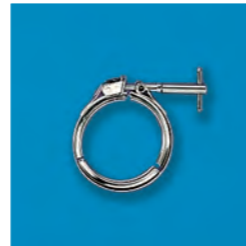
Adapters

Adapter components are often necessary when installing Filter elements into the filter housings. We therefore offer a multitude of adaptation possibilities, e.g. adapters for range adjustments, adapters for the connection of additional filter elements or adapters as a centring assistance to be used in the installation of the filter elements.

Cartridge Filter Housings

01WTAF Cartridge filter housings with v-clamp fastening

When using filter elements with absolute filter ration $< 1 \mu\text{m}$ the required adequate cutting edge sealant used for industrial application between filter element and housing can no longer guarantee the necessary sealing. 01WTAF are therefore put to use especially where an optimal sealant of the filter elements is recommended to avoid a bypass. The filter housings made of stainless steel consist of a cast filter head, electro-polished sump and a two-part v-clamp as housing-fastening. The filter housings are manufactured to accept a single filter cartridge of 1, 2 or 3x the length. The filter head is made in such a way as to accommodate a filter cartridge with double o-ring 222 and a flat end cap (code 0) to be inserted into the appropriate pedestals. After the additional installation of a center post with counter nut, filter cartridges with double open ends (DOE) can also be installed into the 01WTAF housings. A wall bracket made of stainless steel is available to attach the housing to the wall.



01WTAF Cartridge filter housings

Technical data

Material:	Head:	Stainless steel AISI 316
	Sump:	Stainless steel AISI 316
	Seal:	EPDM
In-/Outlet:	1"	
Vent:	1/4"	
Drainage:	1/4"	
Filter elements:	1 x Code 0: 10", 20" or 30"	
	1 x DOE: 9 3/4", 10", 19 1/2", 20", 29 1/4", 30"	
Internals:	Stainless steel AISI 316	
Pressure:	Max. 20 bar	
Temperature:	Max. 95°C	
Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter element.	

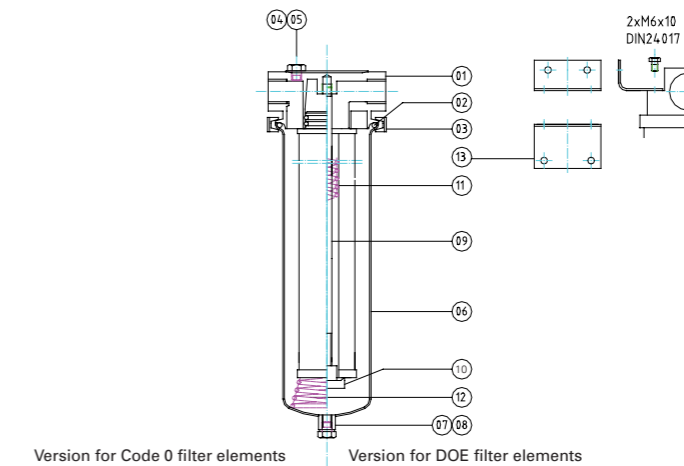
Applications

- Point-of-use filter in ultrapure water-systems
- Fine filter for washing water of electronic installation parts
- Particle filter for optical-glass grinding water
- End-filter before bottling fine chemicals
- Protection filters for valves or spray nozzles
- Fine filter for cosmetics and body lotions

Features and Benefits

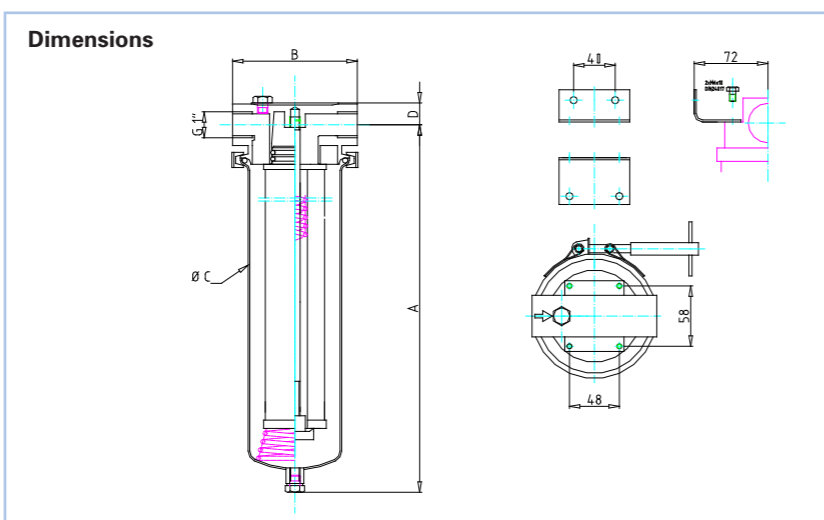
- With v-clamp fastening
- Made entirely of stainless steel
- For filter elements DOE or Code 0
- With fixed center post and counter nut
- Lower part electro-polished on the outside
- Filter head made of cast stainless steel

Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.
1	Filter-head	Stainless steel 316	01WTAF-Kopf-T	999992
2	O-ring	EPDM	01WTAF-OREPDM-GEH	013719
		Viton	01WTAF-ORVIT-GEH	013720
		Silicone	01WTAF-ORSIL-GEH	999996
		Viton-FEP	01WTAF-ORFEP-GEH	013674
3	V-clamp	Stainless steel 304	01WTAF-Spannklammer	003925
4	Vent plug	Stainless steel 316L	01WTAF-ESTOP-1/4-T	999997
5	Seal vent	PTFE	01WTAF-DIPTFE-Entlüftung	999996
6	Sump 10"	Stainless steel 316	01WTAF-Sumpf-10	004409
	Sump 20"		01WTAF-Sumpf-20	999992
	Sump 30"		01WTAF-Sumpf-30	999992
7	Drainage plug	Stainless steel 316L	01WTAF-ASTOP-1/4-T	999997
8	Gasket drainage	PTFE	01WTAF-DIPTFE-Ablass	999996
9	Center post 10"	Stainless steel 316L	01WTAF-Zugstange-10	004407
	Center post 20"		01WTAF-Zugstange-20	004408
	Center post 30"		01WTAF-Zugstange-30	999992
10	T-bar nut	Stainless steel 316L	01WTAF-Knebelmutter	004410
11	Centring spring	Stainless steel 316L	01WTAF-Zentrierfeder	004413
12	Press-on spring	Stainless steel 316L	01WTAF-Andrückfeder-Code 0	999992
13	Wall bracket	Stainless steel 316L	01WTAF-Winkel	002039



Dimensions

	A	B	C	D
01WTAF 10	341	120	88,9	21,5
01WTAF 20	595	120	88,9	21,2
01WTAF 30	849	120	88,9	21,2

Order example

01WTAF	10	- R1	- DOE	- T	E
1	2	3	4	5	6

Order information

Pos.	Bezeichnung
1	01WTAF housing
2	10 = size for 9 3/4" or 10" filter cartridges 20 = size for 19 1/2" or 20" filter cartridges 30 = size for 29 1/4" or 30" filter cartridges
3	R1 = 1" BSP connection F25 = flange DN25
4	DOE = Filter element type DOE 222 = Filter element Code 0 (222/Cap)
5	T = housing stainless steel AISI316
6	E = O-ring EPDM V = O-ring Viton S = O-ring Silicone F = O-ring Viton-FEP-encapsulated

Accessories, Mountings & Adapters

Fittings and accessories for our filter housings made of stainless steel, brass or plastic increase the use and safety for the user and for the operating personnel. We offer useful accessories and options for all filter housings to complete the standard versions.



Accessories

Vents necessary for operation to release the pressure when changing filters, instruments suitable for rest-drainage, pressure controls and gauges when using the filter housings are a typical equipment for pressure vessels, and can be custom made and delivered for specific use.

Mountings

Operating and assembly aids such as ring spanners, volume reducers for the reduction of the housing volume, wall brackets or tripods are useful accessories for the installation and maintenance of the filter housings.

Adapters

Adapter components are often necessary when installing Filter elements into the filter housings. We therefore offer a multitude of adaptation possibilities, e.g. adapters for range adjustments, adapters for the connection of additional filter elements or adapters as a centring assistance to be used in the installation of the filter elements.

Cartridge Filter Housings

3WT Cartridge filter housings with V-clamp fastening

3WT Cartridge filter housings can be used to accept three filter elements. A main attribute of the 3WT housings is the special connection with two 90° elbows and 1 ½" pipe connection for the in-/outlet of the filter head. A further characteristic is that the filter elements are installed hanging in an accumulative adapter. Center posts with counter nuts ensure a secure seal between housing and filter element. The accumulative adapter separates the inlet side from the dirt side and secures the center posts into position. The removable sump is fastened to the filter head via a V-clamp and can be delivered in two lengths. This enables three filter elements with double-open ends (DOE) with the lengths 9 ¾", 10", 19 ½" or 20" to be installed. 3WT housings are made entirely of stainless steel and are delivered in the standard version with viton seals. 3WT housings can be easily disassembled into their individual components and are therefore when handling easier to clean than other filters such as those for varnishes, paints and adhesives. 3WT housings are also suited to be used in filter applications for water, lyes and emulsions where especially the specific characteristics of a hanging housing in comparison to a standing container construction are an advantage.



3WT Cartridge filter housings

Technical data

Material:	Head:	Stainless steel 104571
	Sump:	Stainless steel 1.4571
Installations:	O-Ring:	Viton
		Stainless steel 1.4571
Tension clamp:		1.4571
In-/Outlet:		1 ½" internal thread
	Vent:	¼" internal thread
Drainage:		½" internal thread
Filter elements:		3 x DOE: 9 ¾", 10", 19 ½", 20"
Pressure:		Max. 10 bar
Temperature:		Max. 95°C
Flow rate:		The maximum flow rate correlates to the nominal diameter of the housing connection and the

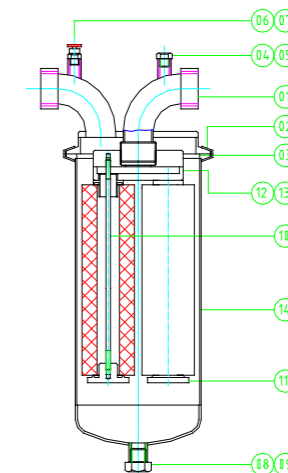
Applications

- Point-of-use filter in ultrapure water-systems
- Fine filter for washing water of electronic installation parts
- Particle filter for optical-glass-grinding water
- End-filter before bottling fine chemicals
- Protection filters for valves of spray nozzles
- Fine filter for cosmetics and body lotions
- Process filters for varnishes, paints and adhesives

Features and Benefits

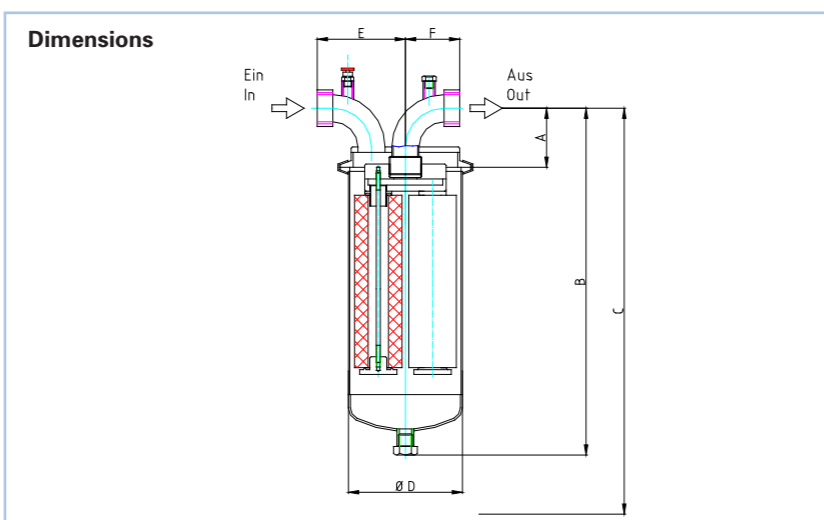
- Hanging housing-construction
- With V-clamp fastening
- Inline – alignment of in- and outlet
- Collective adapter with fixed guidance rods
- For filter elements 9 ¾" or 10" as well as 19 ½" or 20" in DOE application
- Very easy cleaning due to simple disassembling into individual components
- Made entirely of stainless steel

Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.
1	Filter-head	Stainless steel	3WT-Kopf1 ½-T-R ¼-R¼	007139
2	O-ring	Buna	3WT-ORBUN-Geh	007164
		Viton	3WT-ORVIT-Geh	007165
		Viton-FEP	3WT-ORFEP-Geh	001177
3	V-clamp	Stainless steel	3WT-SPAKLA-T	000365
4	Vent plug	Stainless steel 316L	3WT-ESTOP-¼-T	007151
5	Gasket vent plug	PTFE	3WT-DIKLI-ENTL	000364
6	Vent valve	Stainless steel 316L	01WTKF-EVENT-T	000715
7	Gasket vent valve	PTFE	3WT-DIKLI-ENTL	000364
8	Drainage plug	Stainless steel 316L	3WT-ASTOP-½-T	007154
9	Seal drainage plug	PTFE	3WT-DIPTFE-Abl	000363
10	Center post 10"	Stainless steel 316L	3WT-FST10-kurz	007147
	Center post 20"		3WT-FST20-kurz	007148
11	Counter nut	Stainless steel 316L	3WT-GEHA-T	007145
12	Pedestal	Stainless steel 316L	3WT-AUFN-T	007140
13	Gasket pedestal	Viton	3WT-DIVIT-AUFN	007167
		Buna	3WT-DIBUN-AUFN	007166
		PTFE	3WT-DIPTFE-AUFN	999996
14	Sump 10"	Stainless steel 316L	3WT-Sumpf10-R ½	007162
	Sump 20"		3WT-Sumpf20-R ½	007163



Dimensions

	A	B	C	D	E	F	Inlet/Outlet
3WT10	87	495	825	168	137	87	G 1 1/2" G 1 1/2"
3WT20	87	735	1315	168	137	87	G 1 1/2" G 1 1/2"

Order example

3	WT	10	-	R	1 1/2	-	T	T	V	-	V	S	S
1	2	3		4	5		6	7	8		9	10	11

Order information

Pos.	Designation
1	3 = Housing for 3 cartridges
2	WT = Housing designation
3	10 = Housing for 10" or 9 3/4" cartridges
	20 = Housing for 20" or 19 1/2" cartridges
4	R = Connecting configuration, internal pipe thread
5	1 1/2 = connection 1 1/2"
6	T = Head made of stainless steel (and internal parts)
7	T = Standard sump made of stainless steel
8	V = Viton
	B = O-ring made of Buna
9	V = Vent R 3/8" on inlet
10	S = Plug R 3/8" on outlet
11	S = Plug R 1/2" on sump

Accessories & Adapters



Accessories

Vents necessary for operation to release the pressure when changing filters, instruments suitable for rest-drainage, pressure controls and gauges when using the filter housings are a typical equipment for pressure vessels, and can be custom made and delivered for specific use.



Adapters

Adapter components are often necessary when installing Filter elements into the filter housings. We therefore offer a multitude of adaptation possibilities, e.g. adapters for range adjustments, adapters for the connection of additional filter elements or adapters as a centring assistance to be used in the installation of the filter elements.

Cartridge Filter Housings



WTSD – Cartridge Filter Housing

WTSD Cartridge filter housing with stud bolt and flat cover

Universal cartridge filter housing made from stainless steel for use in almost all industrial applications. The housing cover is designed with a flat cover and stud bolts with ring nuts. The externally curved dished bottom can be emptied completely by the above dirt drainage. The connections for in- and outlet can be manufactured according to the customer's needs in regard to diameter, type and position of connections. The internal parts of the WTSD Cartridge filter housings can be modified to accommodate filter cartridges with double open ends (DOE) or adapter cartridges with Code 0 and Code 5. The WTSD series is comprised of four sizes and three different lengths for the installation of 3, 5, 8 and 12 filter cartridges in the lengths of 10", 20", 30" or 40".

WTSD Cartridge filter housings are available in stainless steel 1.4301 (AISI304) or 1.4571 (AISI316Ti). Three welded legs are provided to assemble the housings. The height of the legs can be manufactured to meet customer's needs.

Technical data

Material:	Housing: 1.4301 (AISI 304) or 1.4571 (AISI 316Ti)
	Installations: 1.4301 (AISI 304) or 1.4571 (AISI 316Ti)
	O-Ring: Viton (optional EPDM, Buna, Silicone, Viton-FEP-encapsulated)
In-/Outlet:	See table Dimensions
Drain:	03WTSD and 05WTSD: 2 x G 1/2" plugs 08WTSD and 12WTSD: 2 x G 1" plugs
Vent:	1 x G 3/8" with plug
Filter elements:	Amount: 3, 5, 8 or 12 Length: 9 3/4"-10", 19 1/2" - 20", 29 1/4"-30, 39"-40"
Max. operating pressure:	10 bar
Max. operating temperature:	95°C (depending on filter element)
Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter element

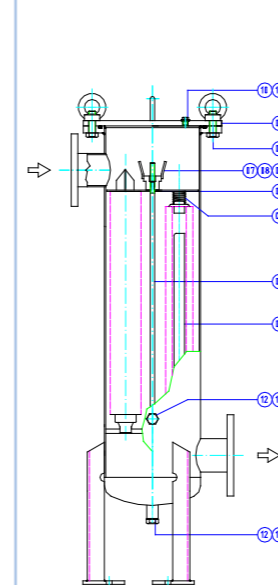
Applications

- Fine filters for cleaning baths
- Pre-filters for water recycling plants
- Post-filters for activated carbon filters or ion exchangers
- Fine filters for cooling circuits
- Protection filters for valves and spray nozzles
- Process filters for paints and varnishes
- End-filter for bottling of liquids

Features and Benefits

- Flat cover with stud bolt and ring nut
- Externally dished bottom with drain
- Suited for the installation of 3, 5, 8 or 12 filter cartridges with the lengths 10", 20", 30" or 40"
- Internal parts can be modified to connect filter cartridges double open ended (DOE) or to connect adapter cartridges Code 0 or Code 5
- Two stainless steel qualities available: 1.4301 (AISI304) or 1.4571 (AISI316Ti)
- Free choice of in- and outlet in reference to nominal diameter, type and circumstance

Spare parts

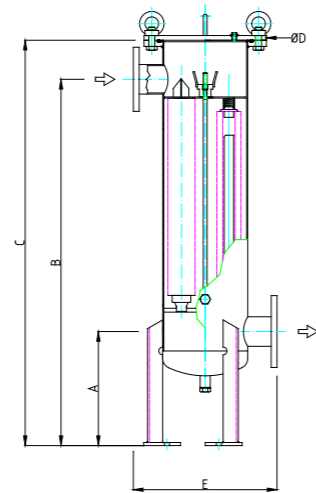


Spare parts

Pos.	Description	Material	Order designation	Order No.		
1	Cover	Stainless Steel 1.4571: -T	03WTSD-Deckel-T	999991		
		Stainless Steel 1.4301: -L	03WTSD-Deckel-L	999991		
			05WTSD-Deckel-T	999991		
			05WTSD-Deckel-L	999991		
			08WTSD-Deckel-T	999991		
			08WTSD-Deckel-L	999991		
			12WTSD-Deckel-T	999991		
			12WTSD-Deckel-L	999991		
		2	O-ring for cover	Viton	03WTSD-ORVIT-GEH	999996
					05WTSD-ORVIT-GEH	999996
					08WTSD-ORVIT-GEH	999996
					12WTSD-ORVIT-GEH	999996
Viton-FEP-encapsulated	03WTSD-ORFEP-GEH			999996		
	05WTSD-ORFEP-GEH			999996		
	08WTSD-ORFEP-GEH			999996		
	12WTSD-ORFEP-GEH			999996		
EPDM	03WTSD-OREPDM-GEH			999996		
	05WTSD-OREPDM-GEH			999996		
	08WTSD-OREPDM-GEH			999996		
3	Press-on plate-DOE Press-on plate-222			Stainless Steel 1.4571	12WTSD-ORSIL-GEH	999996
			03WTKF-Andrueckplatte-DOE	999991		
			03WTKF-Andrueckplatte-222	999991		
			05WTKF-Andrueckplatte-DOE	999991		
			05WTKF-Andrueckplatte-222	999991		
			08WTKF-Andrueckplatte-DOE	999991		
			08WTKF-Andrueckplatte-222	999991		
			12WTKF-Andrueckplatte-DOE	999991		
			12WTKF-Andrueckplatte-222	999991		
		4	Rod	Stainless Steel 1.4571	WTSD-Zugstange-10	999991
					WTSD-Zugstange-20	999991
					WTSD-Zugstange-30	999991
	WTSD-Zugstange-40			999991		
5	Cartridge center post	Stainless Steel 1.4571	WTKF-FST-10	000795		
			WTKF-FST-20	000796		
			WTKF-FST-30	007086		
			WTKF-FST-40	007087		
6	Spring sealing kit	Stainless Steel 1.4571	WTKF-Federabdichtkappe	000177		
7	Compression nut	Stainless Steel 1.4571	WTKF-Knebel	999991		
8	Spring for nut	Stainless Steel 1.4571	WTKF-Knebel-Feder	999991		
9	Nut	Stainless Steel A4	M10 DIN932	999997		
10	Vent plug 3/8	1.4571	WTSD-Stopfen-3/8-T	999997		
11	Gasket for vent	PTFE	WTSD-DIPTFE-Entlüftung	999997		
12	Drain plug 1/2"	1.4571	WTSD-Stopfen-1/2"	999997		
			WTSD-Stopfen-1"	999997		
13	Gasket for drain plug	PTFE	WTSD-DIPTFE-Ablass-1/2"	999997		
			WTSD-DIPTFE-Ablass-1"	999997		



Dimensions



Dimensions

Type	Cartridges	A (mm)	B (mm)	C (mm)	ØD (mm)	E (mm)	Inlet/Outlet	Drain
03WTSD10	3x10"	220	610	685	265	330	DN40	R 1/2"
03WTSD20	3x20"	220	865	940	265	330	DN40	R 1/2"
03WTSD30	3x30"	220	1120	1195	265	330	DN40	R 1/2"
03WTSD40	3x40"	220	1375	1450	265	330	DN40	R 1/2"
05WTSD20	5x20"	250	895	995	315	370	DN50	R 1/2"
05WTSD30	5x30"	250	1150	1250	315	370	DN50	R 1/2"
05WTSD40	5x40"	250	1405	1505	315	370	DN50	R 1/2"
08WTSD20	8x20"	280	945	1045	370	470	DN65	R1"
08WTSD30	8x30"	280	1200	1300	370	470	DN65	R1"
08WTSD40	8x40"	280	1455	1555	370	470	DN65	R1"
12WTSD20	12x20"	315	1040	1150	420	520	DN80	R1"
12WTSD30	12x30"	315	1295	1405	420	520	DN80	R1"
12WTSD40	12x40"	315	1550	1660	420	520	DN80	R1"

Order example

03	WTSD	20	-	F	40	-	222	-	T	V
1	2	3		4	5		6		7	8

Order information

Pos.	Designation
1	03: 3 filter cartridges
	05: 5 filter cartridges
	08: 8 filter cartridges
	12: 12 filter cartridges
2	WTSD Cartridge filter housings
3	20 = Size for 19 1/2" - 20" cartridges
	30 = Size for 29 1/4" - 30" cartridges
	40 = Size for 39" - 40" cartridges
4	R = Pipe thread
	F = Flange
	M = Screwed pipe connection DIN 11851
	TC = TriClamp
5	40: Nominal diameter DN65
	50: Nominal diameter DN50
	65: Nominal diameter DN65
	80: Nominal diameter DN80
	100: Nominal diameter DN100
	1 1/2 = R 1 1/2" Internal thread
	2 = R 2" Internal thread
6	DOE = Filter elements double open end
	222 = Filter elements with adapter Code 0 or Code 5
7	T = Housing material 1.4571 (AISI 316Ti)
	L = Housing material 1.4301 (AISI 304)
8	V = Viton o-ring
	F = FEP-encapsulated Viton
	S = Silicone O-ring
	E = EPDM O-ring
	B = Buna O-ring
9	Designation for custom made versions

Accessories & Adapters



Accessories

Vents necessary for operation to release the pressure when changing filters, instruments suitable for rest-drainage, pressure controls and gauges when using the filter housings are a typical equipment for pressure vessels, and can be custom made and delivered for specific use.



Adapters

Adapter components are often necessary when installing Filter elements into the filter housings. We therefore offer a multitude of adaptation possibilities, e.g. adapters for range adjustments, adapters for the connection of additional filter elements or adapters as a centring assistance to be used in the installation of the filter elements.

Cartridge Filter Housings

WTGD Stainless Steel Cartridge Filter Housing with casted, hinged cover

WTGD Stainless Steel Cartridge Filter Housing are manufactured in different assembly sizes. The assembly sizes differ from one another in the amount and length of filter cartridges that can be built inside. So there can be built 3, 5, 8 or 12 filter cartridges in the length from 10" to 40" inside of a housing. An important feature of the WTGD cartridge filter housings is the fact, that the position, type and size of the inlet and outlet connections are variable and are only manufactured at time of and according to customer specification. WTGD Cartridge filter housings can be supplied with filter cartridges with double open end (DOE), with filter cartridges with adapter and flat endcap (Code 0) or with adapter and endcap with fin (Code 5). Options for all sizes are a pressure-gauge-vent-unit and a magnet insert for pre-separation of ferrite particles. To built up the WTGD cartridge filter housing they are provided with three welded legs.

DWTGD-Double cartridge filter housing with manual switch



WTGD Stainless Steel Cartridge Filter Housing with casted, hinged cover

Technical data

Material:	Housing: stainless steel 1.4404/1.4571
	Installations: stainless steel 1.4404/1.4571
	O-Ring: Viton (optional Viton-FEP-encapsulated, EPDM, Silikon)
In- / Outlet:	position, type and size according to customer specification
Vent:	2 x 1/4" internal thread
Drain:	1/2" internal tread (12WTGD: 3/4") except for version „SU“
Filter Cartridges:	Amount and length see table
Difference pressure:	see datasheet of the filter cartridges
Max. operating pressure:	10bar
Max. operating temperature:	95°C
Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter element.

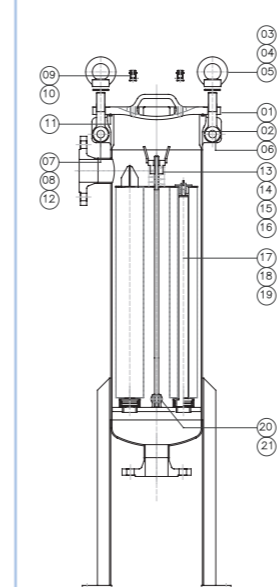
Applications

- Fine filters for cooling circuits
- Particle filters for cleaning baths
- Pre-filters for reverse osmosis plant
- Protection filters for pumps
- Pre-filter for drinking water recycling
- Post-filters for activated carbon filters and ion exchangers
- Suspended particle filters for well-water
- Process filters for varnishes, paints and adhesives
- End filters for bottling of liquids

Features and Benefits

- Stainless Steel Cartridge Filter Housing with casted, hinged cover and swinging bolts
- Three sizes for 3, 5, 8 or 12 filter cartridges type DOE, Code 0, Code 5 in the length of 10", 20", 30" or 40".
- Position, type and size of the inlet and outlet connections according to customer specification
- Cartridge center posts for DOE filter cartridges made from stainless steel perforated tubes with double-O-ring-adapter and Compression nut with cutting edge for safe sealing.
- Pressure-gauge-vent-unit and magnet-insert as optional accessories.

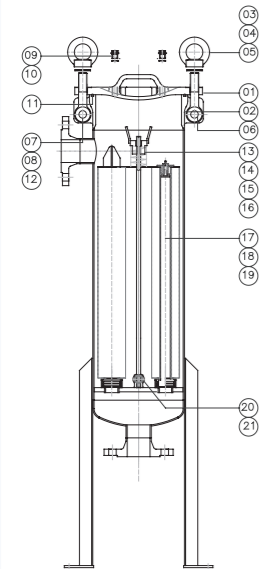
Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.
1	03WTGD-cover	Stainless steel 1.4404	d168x3-Deckel-TG	007473
	05WTGD-cover	Stainless steel 1.4404	d219x3-Deckel-TG	007427
	08WTGD-cover	Stainless steel 1.4404	d273x3-Deckel-TG	007475
	12WTGD-cover	Stainless steel 1.4404	d323x3-Deckel-TG	008396
2	03WTGD-flange	Stainless steel 1.4404	d168x3-Flansch-TG	007474
	05WTGD-flange	Stainless steel 1.4404	d219x3-Flansch-TG	007428
	08WTGD-flange	Stainless steel 1.4404	d273x3-Flansch-TG	007476
	12WTGD-flange	Stainless steel 1.4404	d323x3-Flansch-TG	008397
3	03WTGD-swinging bolt	C15, Steel, zinc plated	d168x3-Augenschraube-C	007730
	05WTGD-swinging bolt	C15, Steel, zinc plated	d219x3-Augenschraube-C	007732
	08WTGD-swinging bolt	C15, Steel, zinc plated	d219x3-Augenschraube-C	007732
	12WTGD-swinging bolt	C15, Steel, zinc plated	d219x3-Augenschraube-C	007732
4	03WTGD-ring nut	C15, Steel, zinc plated	d168x3-Ringmutter-C	007731
	05WTGD-ring nut	C15, Steel, zinc plated	d219x3-Ringmutter-C	007733
	08WTGD-ring nut	C15, Steel, zinc plated	d219x3-Ringmutter-C	007733
	12WTGD-ring nut	C15, Steel, zinc plated	d219x3-Ringmutter-C	007733
5	03WTGD-washer	Stainless steel	d168x3-U-Scheibe-LG	007721
	05WTGD-washer	Stainless steel	d219x3-U-Scheibe-LG	007432
	08WTGD-washer	Stainless steel	d219x3-U-Scheibe-LG	007432
	12WTGD-washer	Stainless steel	d219x3-U-Scheibe-LG	007432
6	03WTGD-bolt, short	Stainless steel 1.4404	d168x3-Bolzen-kurz-TG	007726
	05WTGD-bolt, short	Stainless steel 1.4404	d219x3-Bolzen-kurz-TG	007433
	08WTGD-bolt, short	Stainless steel 1.4404	d219x3-Bolzen-kurz-TG	007433
	12WTGD-bolt, short	Stainless steel 1.4404	d219x3-Bolzen-kurz-TG	007433
7	03WTGD-bolt, long	Stainless steel 1.4404	d168x3-Bolzen-lang-TG	007727
	05WTGD-bolt, long	Stainless steel 1.4404	d219x3-Bolzen-lang-TG	007434
	08WTGD-bolt, long	Stainless steel 1.4404	d219x3-Bolzen-lang-TG	007434
	12WTGD-bolt, long	Stainless steel 1.4404	d219x3-Bolzen-lang-TG	007434
8	03WTGD-retaining ring	A2	d168x3-Sicherungsring-LG	007720
	05WTGD-retaining ring	A2	d219x3-Sicherungsring-LG	007429
	08WTGD-retaining ring	A2	d219x3-Sicherungsring-LG	007429
	12WTGD-retaining ring	A2	d219x3-Sicherungsring-LG	007429
9	Hex.-plug	1.4571	3WT-ESTOP-1/4-T	007151
10	Gasket	PTFE	3WT-DIPTFE-ENTL	000364
11	O-Ring for Housing	Viton	03WTGD-ORVIT-GEH	007748
		Viton	05WTGD =	
			WTBF40-ORVIT-GEH	001082
		Viton	08WTGD-ORVIT-GEH	007734
		Viton	12WTGD-ORVIT-GEH	008398
		Viton-FEP-encapsulated	03WTGD-ORFEP-GEH	999996
		Viton-FEP-encapsulated	05WTGD =	
			WTBF40-ORFEP-GEH	002252
		Viton-FEP-encapsulated	08WTGD-ORFEP-GEH	999996
		Viton-FEP-encapsulated	12WTGD-ORFEP-GEH	999996
		EPDM	03WTGD-OREPDM-GEH	999996
		EPDM	05WTGD =	
			WTBF40-OREPDM-GEH	005672
		EPDM	08WTGD-OREPDM-GEH	999996
		EPDM	12WTGD-OREPDM-GEH	999996
		Silicone	03WTGD-ORSIL-GEH	999996
		Silicone	05WTGD =	
			WTBF40-ORSIL-GEH	003856
		Silicone	08WTGD-ORSIL-GEH	999996
		Silicone	12WTGD-ORSIL-GEH	999996

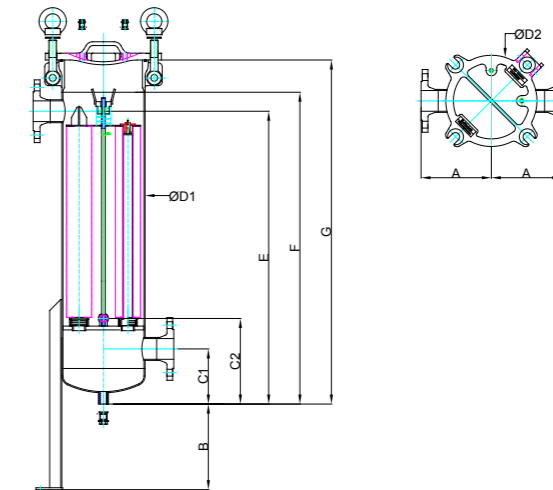
Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.
12	03WTGD--washer, hinge	Stainless steel	d168x3-U-Scheibe-LG	007721
	05WTGD--washer, hinge	Stainless steel	d219x3-U-Scheibe-LG	007478
	08WTGD--washer, hinge	Stainless steel	d219x3-U-Scheibe-LG	007478
	12WTGD--washer, hinge	Stainless steel	d219x3-U-Scheibe-LG	007478
13	Rod	1.4571	WTGD-Zugstange-10-T	007750
		1.4571	WTGD-Zugstange-20-T	007751
		1.4571	WTGD-Zugstange-30-T	007752
		1.4571	WTGD-Zugstange-40-T	007753
14	Spring for press-on-plate	1.4571	WTGD-Feder-T	007754
15	Nut for press-on-plate	1.4571	WTGD-Knebel-T	007755
16	Press-on-plate	1.4571	03WTGD-Andrückplatte-T	007756
			05WTGD-Andrückplatte-T	007757
			08WTGD-Andrückplatte-T	007758
			12WTGD-Andrückplatte-T	999992
17	Center post, complete	Stainless steel	WTKF-FST-LO-10-222-TGV	007443
		1.4571/1.4404	WTKF-FST-LO-20-222-TGV	007444
			WTKF-FST-LO-29-222-TGV	007445
			WTKF-FST-LO-30-222-TGV	007446
			WTKF-FST-LO-39-222-TGV	007447
			WTKF-FST-LO-40-222-TGV	007448
18	Compression nut, center post	1.4571	01WTKF-FST-Gegenhalter-TG	006944
19	O-ring for center post	Viton	70003-B-ORVIT-222	007175
		Viton-FEP	70003-FEP-ORVIT-222	004405
		EPDM	70003-C-OREPDM-222	006610
		Silicone	70003-A-ORVIT-222	007176
20	Hex.-plug, 1/2"	Stainless steel	3WT-ASTOP-1/2-T	007154
21	Gasket for plug	PTFE	3WT-DIPTFE-ABL	000363

Dimensions for in-/outlet configuration „SS“ or „SD“

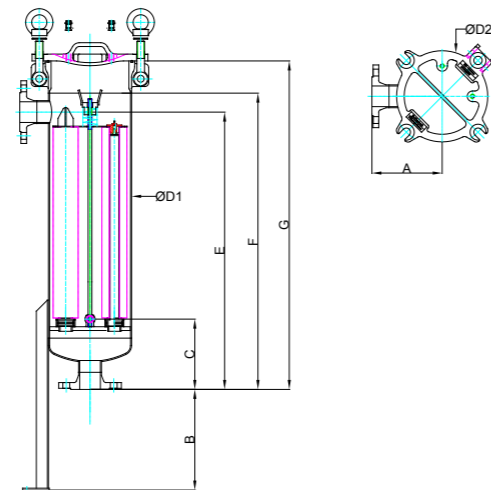


Dimensions for in-/outlet configuration „SS“ or „SD“

Typ	Cartridges	Inlet/Outlet	A	B	C1	C2	ØD1	ØD2	E	F	G
03WTGD10	3x10" Ø72	DN40	160	200	130	205	168	185	495	540	605
03WTGD20	3x20" Ø72	DN40	160	200	130	205	168	185	750	795	860
03WTGD30	3x30" Ø72	DN40	160	200	130	205	168	185	1005	1050	1115
03WTGD40	3x40" Ø72	DN40	160	200	130	205	168	185	1260	1305	1370
05WTGD20	5x20" Ø72	DN50	185	225	145	225	219	240	770	820	905
05WTGD30	5x30" Ø72	DN50	185	225	145	225	219	240	1025	1075	1160
05WTGD40	5x40" Ø72	DN50	185	225	145	225	219	240	1280	1330	1415
08WTGD20	8x20" Ø72	DN65	210	250	160	245	273	290	790	845	930
08WTGD30	8x30" Ø72	DN65	210	250	160	245	273	290	1045	1100	1185
08WTGD40	8x40" Ø72	DN65	210	250	160	245	273	290	1300	1355	1440
12WTGD20	12x20" Ø72	DN100	250	275	190	320	323	345	865	945	1030
12WTGD30	12x30" Ø72	DN100	250	275	190	320	323	345	1120	1200	1285
12WTGD40	12x40" Ø72	DN100	250	275	190	320	323	345	1375	1455	1540



Dimensions for in-/outlet configuration „SU“



Dimensions for in-/outlet configuration „SU“

Type	Cartridges	Inlet/Outlet	A	B	C	ØD1	ØD2	E	F	G
03WTGD10	3x10" Ø72	DN40	160	225	180	168	185	470	515	580
03WTGD20	3x20" Ø72	DN40	160	225	180	168	185	725	770	835
03WTGD30	3x30" Ø72	DN40	160	225	180	168	185	980	1025	1090
03WTGD40	3x40" Ø72	DN40	160	225	180	168	185	1235	1280	1345
05WTGD20	5x20" Ø72	DN50	185	265	185	219	240	730	780	865
05WTGD30	5x30" Ø72	DN50	185	265	185	219	240	985	1035	1120
05WTGD40	5x40" Ø72	DN50	185	265	185	219	240	1240	1290	1375
08WTGD20	8x20" Ø72	DN65	210	300	195	273	290	740	795	880
08WTGD30	8x30" Ø72	DN65	210	300	195	273	290	995	1050	1135
08WTGD40	8x40" Ø72	DN65	210	300	195	273	290	1250	1305	1390
12WTGD20	12x20" Ø72	DN100	250	325	225	323	345	795	875	960
12WTGD30	12x30" Ø72	DN100	250	325	225	323	345	1050	1130	1215
12WTGD40	12x40" Ø72	DN100	250	325	225	323	345	1305	1385	1470

Order example

05	WTGD	30	-	F	50	-	SU	-	DOE	-	T	V	-
1	2	3		4	5		6		7		8	9	10

Order information

Pos	Description	
1	03	3 filter cartridges
	05	5 filter cartridges
	08	8 filter cartridges
	12	12 filter cartridges
2	WTGD	Wolftechnik cartridge filter housing with casted, hinged cover, stainless steel
3	10	Filter cartridge length 9 3/4" or 10" (248 mm oder 254 mm)
	20	Filter cartridge length 19 1/2" or 20" (496 mm oder 508 mm)
	30	Filter cartridge length 30" (762 mm)
	40	Filter cartridge length 40" (1016 mm)
4	F	Flange DIN2633
	R	BSP-pipe-thread, female
	M	Screwed pipe connection DIN11851
	C	Camloc-coupling, male
	TC	TriClamp
5	11/2	1 1/2" BSP-thread
	2	2" BSP-thread
	40	DN40
	50	DN50
	65	DN65
	80	DN80
	100	DN100
6	SU	Inlet connection position on side, outlet in floor
	SS	Inlet connection position on side, outlet on side diagonally across
	SD	Inlet connection position on side, outlet on side below it (on one side)
7	DOE	With perforated center post tubes for filter cartridges type DOE
	222	Without perforated center post tubes for filter cartridges Code 0 or Code 5
8	L	Housing material stainless steel 1.4404/1.4301
	T	Housing material stainless steel 1.4404/1.4571
9	V	O-Ring = Dichtung = Viton
	B	O-Ring = Dichtung = Buna
	E	O-Ring = Dichtung = EPDM
	S	O-Ring = Dichtung = Silikon
	F	O-Ring = Viton-FEP-encapsulated
10	--	Special equipment

Accessories & Adapters



Accessories

Vents necessary for operation to release the pressure when changing filters, instruments suitable for rest-drainage, pressure controls and gauges when using the filter housings are a typical equipment for pressure vessels, and can be custom made and delivered for specific use.



Adapters

Adapter components are often necessary when installing Filter elements into the filter housings. We therefore offer a multitude of adaptation possibilities, e.g. adapters for range adjustments, adapters for the connection of additional filter elements or adapters as a centring assistance to be used in the installation of the filter elements.

Cartridge Filter Housings



WTGDS Stainless Steel Cartridge Filter Housing with casted, hinged cover and socket

WTGDS Stainless Steel Cartridge Filter Housing with casted socket and hinged cover convince through their compact, space-saving design. And another advantage is that because of the special design of the socket-bottom together with the horizontal outlet the housings can be drained completely. WTGDS cartridge filter housings are manufactured in different assembly sizes. The assembly sizes differ from one another in the amount and length of filter cartridges that can be built inside. So there can be built 3, 5 or 8 filter cartridges in the length from 10" to 40" inside of a housing. An important feature of the WTGDS cartridge filter housings is the fact, that the position, type and size of the inlet and outlet connections are variable and are only manufactured at time of and according to customer specification.

WTGDS Cartridge filter housings can be supplied with filter cartridges with double open end (DOE), with filter cartridges with adapter and flat endcap (Code 0) or with adapter and endcap with fin (Code 5). Options for all sizes are a pressure-gauge-vent-unit and a magnet insert for preseparation of ferrite particles.



NEW

WTGDS Stainless Steel Cartridge Filter Housing

Technical data

Material:	Housing: stainless steel 1.4404/1.4571 Installations: stainless steel 1.4404/1.4571
In- / Outlet:	O-Ring: Viton (optional Viton-FEP-encapsulated, EPDM, Silicone) position, type and size according to customer specification
Vent:	2 x ¼" internal thread
Drain:	2 x ½" internal thread
Filter Cartridges:	Amount and length see table
Difference pressure:	see datasheet of the filter cartridges
Max. operating pressure:	10bar
Max. operating temperature:	95°C
Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter element.

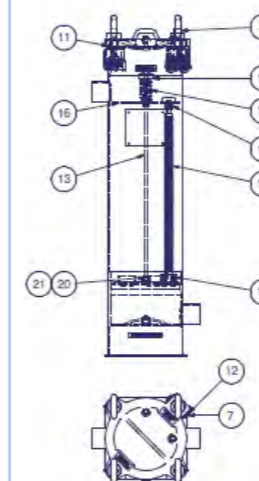
Applications

- Fine filters for cooling circuits
- Particle filters for cleaning baths
- Pre-filters for reverse osmosis plant
- Protection filters for pumps
- Pre-filter for drinking water recycling
- Post-filters for activated carbon filters and ion exchangers
- Suspended particle filters for well-water
- Process filters for varnishes, paints and adhesives
- End filters for bottling of liquids

Features and Benefits

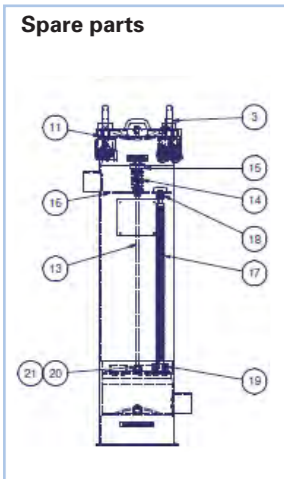
- Stainless Steel Cartridge Filter Housing with casted, hinged cover and socket
- Horizontal outlet for complete draining
- Space-saving, low design because of compact socket
- Three sizes for 3, 5 and 8 filter cartridges type DOE, Code 0, Code 5 in the length of 10", 20", 30" or 40".
- Position, type and size of the inlet and outlet connections according to customer specification
- Cartridge center posts for DOE filter cartridges made from stainless steel perforated tubes with double-O-ring-adapter and Compression nut with cutting edge for safe sealing.
- Pressure-gauge-vent-unit and magnet-insert as optional accessories.

Spare parts



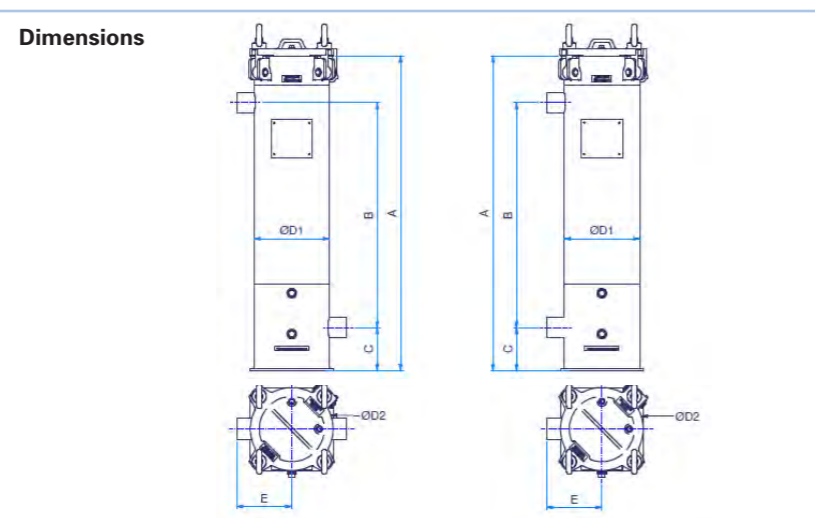
Spare parts

Pos.	Description	Material	Order designation	Order No.
1	03WTKF-cover	Stainless steel 1.4404	d168x3-Deckel-TG	007473
	05WTKF-cover		d219x3-Deckel-TG	007427
	08WTKF-cover		d273x3-Deckel-TG	007475
2	03WTKF-flange	Stainless steel 1.4404	d168x3-Flansch-TG	007474
	05WTKF-flange		d219x3-Flansch-TG	007428
	08WTKF-flange		d273x3-Flansch-TG	007476
3	03WTKF-swinging bolt	C15, C-steel, zinc plated	d168x3-Augenschraube-C	007730
	05WTKF-swinging bolt		d219x3-Augenschraube-C	007732
	08WTKF-swinging bolt		d219x3-Augenschraube-C	007732
4	03WTKF-ring nut	C15, C-steel, zinc plated	d168x3-Ringmutter-C	007731
	05WTKF-ring nut		d219x3-Ringmutter-C	007733
	08WTKF-ring nut		d219x3-Ringmutter-C	007733
5	03WTKF-washer	Stainless steel V2A	d168x3-U-Scheibe-C	007721
	05WTKF-washer		d219x3-U-Scheibe-C	007432
	08WTKF-washer		d219x3-U-Scheibe-C	007432
6	03WTKF-bolt, short	Stainless steel 1.4404	d168x3-Bolzen-kurz-TG	007726
	05WTKF-bolt, short		d219x3-Bolzen-kurz-TG	007433
	08WTKF-bolt, short		d219x3-Bolzen-kurz-TG	007433
7	03WTKF-bolt, long	Stainless steel 1.4404	d168x3-Bolzen-lang-TG	007727
	05WTKF-bolt, long		d219x3-Bolzen-lang-TG	007434
	08WTKF-bolt, long		d219x3-Bolzen-lang-TG	007434
8	03WTKF-retaining ring	Stainless steel V2A	d168x3-Sicherungsring-LG	007720
	05WTKF-retaining ring		d219x3-Sicherungsring-LG	007429
	08WTKF-retaining ring		d219x3-Sicherungsring-LG	007429
9	Hex.- plug	1.4571	3WT-ESTOP-1/4-T	007151
10	Gasket	PTFE	3WT-DIPTFE-ENTL	000364
11	O-Ring for housing	Viton	03WTGD-ORVIT-GEH	007748
			05WTGD = WTB40-ORVIT-GEH	001082
			08WTGD-ORVIT-GEH	007734
		Viton-FEP-encapsulated	03WTGD-ORFEP-GEH	002041
			05WTGD = WTB40-ORVIT-GEH	002252
			08WTGD-ORVIT-GEH	999996
		EPDM	03WTGD-OREPDM-GEH	008367
			05WTGD=WTF40-OREPDM-GE	005672
			08WTGD-OREPDM-GEH	007848
		Silicone	03WTGD-ORSIL-GEH	999996
			05WTGD = WTB40-ORSIL-GEH	003856
			08WTGD-ORSIL-GEH	999996
12	03WTGD-washer, hinge	Stainless steel V2A	d168x3-U-Scheibe-C	007721
	05WTGD- washer, hinge		d219x3-U-Scheibe-C	007478
	08WTGD- washer, hinge		d219x3-U-Scheibe-C	007478
13	Rod	1.4404	WTGD-Zugstange-10-T	007750
			WTGD-Zugstange-20-T	007751
			WTGD-Zugstange-30-T	007752
			WTGD-Zugstange-40-T	007753
14	Spring for press-on-plate	1.4571	WTGD-Feder-T	008447
15	Nut for press-on-plate	1.4404	WTGD-Knebel-T	007755
16	Press-on-plate	1.4404	03WTGD-Andrückplatte-T	007756
			05WTGD-Andrückplatte-T	007757
			08WTGD-Andrückplatte-T	007758



Spare parts

Pos.	Description	Material	Order designation	Order No.
17	Center post, complete	Stainless steel	WTKF-FST-LO-10-222-TGV	007443
		1.4571 / 1.4404	WTKF-FST-LO-20-222-TGV	007444
			WTKF-FST-LO-29-222-TGV	007445
			WTKF-FST-LO-30-222-TGV	007446
			WTKF-FST-LO-39-222-TGV	007447
			WTKF-FST-LO-40-222-TGV	007448
18	Compression nut, center post	1.4404	01WTKF-FST-Gegenhalter-TG	006944
19	O-ring for center post	Viton	70003-B-ORVIT-222	007175
		Viton-FEP	70003-FEP-ORVIT-222	004405
		EPDM	70003-C-OREPDM-222	006610
		Silicone	70003-A-ORVIT-222	007176
20	Hex.-plug, 1/2"	1.4571	3WT-ASTOP-1/2-T	007154
21	Gasket for plug	PTFE	3WT-DIPTFE-ABL	000363



Dimensions

Typ	Cartridges	Inlet/Outlet	A	B	C	ØD1	ØD2	E
03WTGDS10	3 x 10" Ø72	1 1/2"	585	355	120	168	185	150
03WTGDS20	3 x 20" Ø72		845	615	120	168	185	150
03WTGDS30	3 x 30" Ø72		1105	875	120	168	185	150
03WTGDS40	3 x 40" Ø72		1365	1135	120	168	185	150
05WTGDS20	5 x 20" Ø72	2"	915	655	125	219	240	160
05WTGDS30	5 x 30" Ø72		1175	915	125	219	240	160
05WTGDS40	5 x 40" Ø72		1435	1175	125	219	240	160
08WTGDS20	8 x 20" Ø72	2 1/2"	905	630	135	273	290	170
08WTGDS30	8 x 30" Ø72		1165	890	135	273	290	170
08WTGDS40	8 x 40" Ø72		1425	1150	135	273	290	170

Order example

05	WTGDS	30	-	F	50	-	SU	-	DOE	-	T	V	-
1	2	3		4	5		6		7		8	9	10

Order information

Pos	Bezeichnung	
1	03	3 filter cartridges
	05	5 filter cartridges
	08	8 filter cartridges
2	WTGDS	Wolftechnik cartridge filter housing with casted hinged cover and socket made from stainless steel
3	10	Filter cartridge length 9 3/4" oder 10" (248 mm or 254 mm)
	20	Filter cartridge length 19 1/2" oder 20" (496 mm or 508 mm)
	30	Filter cartridge length 30" (762 mm)
	40	Filter cartridge length 40" (1016 mm)
4	F	Flange DIN2633
	R	BSP-pipe-thread, female
	M	screwed pipe connection DIN11851
	C	Camloc-coupling, male
	TC	TriClamp
5	1 1/2	1 1/2" BSP-thread
	2	2" BSP-thread
	40	DN40
	50	DN50
	65	DN65
	80	DN80
6	SS	Inlet connection position on side, outlet on side diagonally across
	SD	Inlet connection position on side, outlet on side below it (on one side)
7	DOE	With perforated center post tubes for filter cartridges type DOE
	222	Without perforated center post tubes for filter cartridges Code 0 or Code 8
8	L	Housing material stainless steel 1.4404/1.4301
	T	Housing material stainless steel 1.4404/1.4571
9	V	O-Ring = Viton
	B	O-Ring = Buna
	E	O-Ring = EPDM
	S	O-Ring = Silicone
	F	Viton-FEP-encapsulated
10	--	Options

Accessories & Adapters



Accessories

Vents necessary for operation to release the pressure when changing filters, instruments suitable for rest-drainage, pressure controls and gauges when using the filter housings are a typical equipment for pressure vessels, and can be custom made and delivered for specific use.



Adapters

Adapter components are often necessary when installing Filter elements into the filter housings. We therefore offer a multitude of adaptation possibilities, e.g. adapters for range adjustments, adapters for the connection of additional filter elements or adapters as a centring assistance to be used in the installation of the filter elements.

Cartridge Filter Housings



WD Cartridge filter housings made of stainless steel

WD Cartridge filter housings made of stainless steel

WD housings are stainless steel housings manufactured according to AD data sheets and adhere to the Pressure Equipment Directive 2014/68/EU Class IV. The housings hold between three to 40 filter cartridges in the lengths of 9 3/4" to 40". The connectors for the in-/outlet range from DN40 to DN200. From the 12WD onwards, WD housings are equipped with a cover-lift and swing-device. With the installation of center posts and spring seal caps, depth filter elements with double open ends (DOE) can be inserted into the housings. Versions with the adapter Code 0, Code 5 and Code 7 can be delivered. An additional intermediate plate secures the filter element from becoming unbalanced and in this way makes it easier to exchange the filter elements. WD housings are universal filter housings and can be used for all industrial applications.

Technical data

Material:	Cover: Stainless steel 1.4571
	Coating: Stainless steel 1.4571
	Seal: Viton
	Installations: Stainless steel 1.4571
In-/Outlet:	See table: Dimensions
Vent:	1/2"
Drainage:	DN 25
Filter elements:	Code 0: 10", 20", 30" or 40"
	Code 5: 10", 20", 30" or 40"
	Code 7: 10", 20", 30" or 40"
	DOE: 9 3/4", 10", 19 1/2", 20", 29 1/4", 30" or 40"
	Cover-lift and swivel device from 12WD housing onwards
Pressure:	Max. 10 bar
Temperature:	Max. 95°C
Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter element.

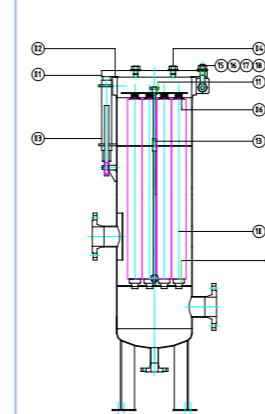
Applications

- Pre-filters for water recycling plants
- Particle filters for cleaning baths
- Fine filters for cooling circuits or condensation
- Post-filters for activated carbon filters and ion exchangers
- Protection filters for valves and spray nozzles
- End-filters for bottling liquids
- Circulation filters for emulsion washes

Features and Benefits

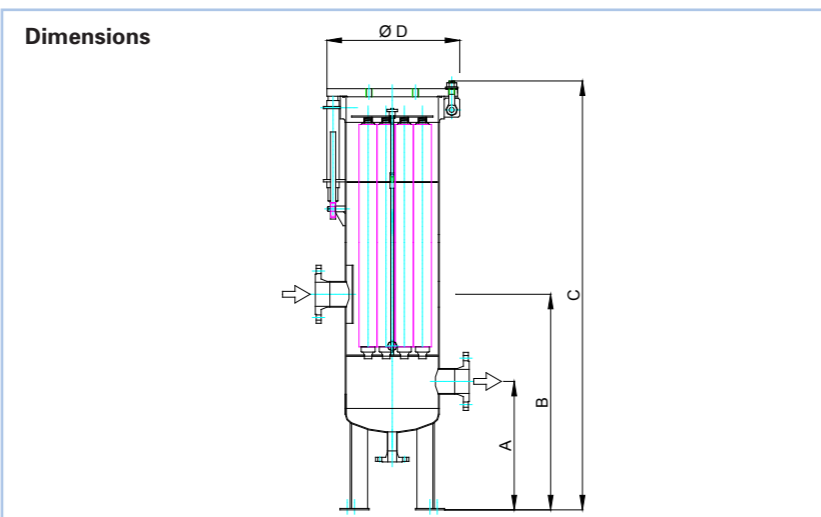
- Cartridge filter housings made of stainless steel 1.4571 with swinging bolts and cover-lift device
- Construction in accordance to AD2000
- In accordance to the criteria of the Pressure Equipment Directive 97/23/EG Class IV
- For 3 to 40 filter elements from 9 3/4" to 40" in length
- Suitable versions for filter element types DOE, Code 0, Code 5 or Code 7
- With intermediate plate for a secure and simple filter element installation

Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.			
1	Cover	Stainless steel	03WD-Deckel-T	999992			
			05WD-Deckel-T	999992			
			07WD-Deckel-T	999992			
			12WD-Deckel-T	999992			
			19WD-Deckel-T	999992			
			22WD-Deckel-T	999992			
			27WD-Deckel-T	999992			
2	O-ring	Viton	03WD-ORVIT-GEH	999996			
			Options:	05WD-ORVIT-GEH	999996		
			EPDM	07WD-ORVIT-GEH	999996		
			Silicone	12WD-ORVIT-GEH	999996		
			Viton-FEP-	19WD-ORVIT-GEH	999996		
			encapsulated	22WD-ORVIT-GEH	999996		
				27WD-ORVIT-GEH	999996		
3	Cover lift and swing device		WD-Schwenk-Exzenterhebel	999992			
			WD-Schwenk-Bolzen	999992			
			WD-Schwenk-Splint	999992			
			WD-Schwenk-Führungsrohr	999992			
			WD-Schwenk-Führungsstange	999992			
			from 12WD	Stainless steel	WD-Schwenk-Halteblech, unten	999992	
			(housings onwards)		WD-Schwenk-Halteblech, oben	999992	
			4	Vent plug	Stainless steel	WD-ESTOP-1/2-T	999992
			5	Vent gasket	PTFE	WD-DI-PTFE-ENTL	999992
			6	Spring extension	Stainless steel	WTKF-Feder-Verlängerung	004076
7	Spring sealing kit	Stainless steel	WTKF-Federabdichtkappe	000177			
8	Center post 10"	Stainless steel	WTKF-FST10	000795			
			Center post 20"	WTKF-FST20	000796		
			Center post 30"	WTKF-FST30	007086		
			Center post 40"	WTKF-FST40	007087		
9	Pedestal	Stainless steel	WTKF-Einschlagteil	003640			
10	Stop ring	Stainless steel	WTKF-Stopring	004397			
11	Press-on plate	Stainless steel	03WD-Andrückplatte-DOE	999992			
			05WD-Andrückplatte-DOE	999992			
			07WD-Andrückplatte-DOE	999992			
			12WD-Andrückplatte-DOE	999992			
			19WD-Andrückplatte-DOE	999992			
			22WD-Andrückplatte-DOE	999992			
			27WD-Andrückplatte-DOE	999992			
40WD-Andrückplatte-DOE	999992						
12	Knurled nut	Stainless steel	WD-Rändelmutter	999992			
13	Centering plate	Stainless steel	03WD-Zentrierplatte-DOE	999992			
			05WD-Zentrierplatte-DOE	999992			
			07WD-Zentrierplatte-DOE	999992			
			12WD-Zentrierplatte-DOE	999992			
			19WD-Zentrierplatte-DOE	999992			
			22WD-Zentrierplatte-DOE	999992			
			27WD-Zentrierplatte-DOE	999992			
40WD-Zentrierplatte-DOE	999992						
14	Rod 10"	Stainless steel	WD-Zugstange-10, zweiteilig	999992			
			Rod 20"	WD-Zugstange-20, zweiteilig	999992		
			Rod 30"	WD-Zugstange-30, zweiteilig	999992		
			Rod 40"	WD-Zugstange-40, zweiteilig	999992		
15	Swinging bolt	Stainless steel A2	DIN444	999992			
16	Hex nut	Stainless steel A2	DIN934	999992			
17	Washer	Stainless steel A2	DIN125	999992			
18	Bolt	Stainless steel A2	DIN7 mit Nut für Sicherungsring	999992			
19	Retaining ring	Stainless steel A2	DIN471	999992			



Dimensions

Type	Elements	A(mm)	B(mm)	C(mm)	D(mm)	In/ Out
03WD20	3x20"	470	610	1150	245	DN 40
03WD30	3x30"	470	610	1400	245	DN 40
03WD40	3x40"	470	610	1650	245	DN 40
05WD20	5x20"	470	610	1160	320	DN 50
05WD30	5x30"	470	610	1410	320	DN 50
05WD40	5x40"	470	610	1660	320	DN 50
07WD20	7x20"	470	610	1170	330	DN 65
07WD30	7x30"	470	610	1420	330	DN 65
07WD40	7x40"	470	610	1670	330	DN 65
12WD30	12x30"	540	840	1520	450	DN 80
12WD40	12x40"	540	840	1770	450	DN 80
19WD30	19x30"	540	840	1530	550	DN 100
19WD40	19x40"	540	840	1780	550	DN 100
22WD30	22x30"	540	840	1540	600	DN 125
22WD40	22x40"	540	840	1790	600	DN 125
27WD30	27x30"	540	840	1540	600	DN 150
27WD40	27x40"	540	840	1790	600	DN 150
40WD30	40x30"	540	840	1550	810	DN 200
40WD40	40x40"	540	840	1800	810	DN 200

Order example

03	WD	20	-	F	-	40	-	DOE	-	T	V
1	2	3		4		5		6		7	8

Order information

Pos	Bezeichnung
1	03 = Housing for 3 filter cartridges
	05 = Housing for 5 filter cartridges
	07 = Housing for 7 filter cartridges
	12 = Housing for 12 filter cartridges
	19 = Housing for 19 filter cartridges
	22 = Housing for 22 filter cartridges
	27 = Housing for 27 filter cartridges
	40 = Housing for 40 filter cartridges
2	WD = WD Cartridge filter housing
3	20 = Housing for 19 1/2" and 20" cartridges
	30 = Housing for 29 1/4" and 30" cartridges
	40 = Housing for 39" and 40" cartridges
4	F = Flange
	R = Pipe thread
	M = Screwed pipe connection DIN 11851
	C = Camloc coupling
	TC = TriClamp
5	40 = Connection DN 40
	50 = Connection DN 50
	80 = Connection DN 80
	100 = Connection DN 100
	125 = Connection DN 125
	150 = Connection DN 150
	200 = Connection DN 200
6	DOE = Filter elements double open end
	222 = Code 0 or Code 5
	226 = Code 7
7	T = Stainless steel 1.4571
8	V = Seal Viton
	F = Seal Viton-FEP-encapsulated
	S = Seal Silicone
	E = Seal EPDM
	B = Seal Buna

Accessories & Adapters



Accessories

Vents necessary for operation to release the pressure when changing filters, instruments suitable for rest-drainage, pressure controls and gauges when using the filter housings are a typical equipment for pressure vessels, and can be custom made and delivered for specific use.



Adapters

Adapter components are often necessary when installing Filter elements into the filter housings. We therefore offer a multitude of adaptation possibilities, e.g. adapters for range adjustments, adapters for the connection of additional filter elements or adapters as a centring assistance to be used in the installation of the filter elements.

Cartridge Filter Housings

WS-Sanitary housings

WS-Sanitary-Housings were especially developed for the application of sterile and ultra clean production lines. The special requirements of the pharma-, cosmetic-, beverage- or electronic-industry regarding suitable housings for sensitive processes can be found in the WS-Sanitary-Housing construction. The housing fastening of the small 01WS-Sanitary-Housings comes with a v-clamp while the taller 03WS-, 05WS- and 07WS-Sanitary-Housings are equipped with swing-bolts and ring nuts. WS-Sanitary-Housings are made of AISI316L (1.4404) and inside and outside mirror-polished to surface roughness of $Ra < 0,6\mu m$ (inside) / $0,8\mu m$ (outside). The standard connections for inlet and outlet are TriClamp connectors, different connections can be produced on request. All WS-Sanitary-Housings are provided with a diaphragm pressure gauge with TriClamp, a Sanitary-vent valve and a Sanitary-drain-valve located on the inlet side.

Suitable filter cartridges to be installed in the WS-Sanitary-Housings are filter cartridges with bayonet adapter and fin (Code 7). For better cleaning the bayonet connection plate can be removed in the 03WS-, 05WS- and 07WS-Sanitary-Housings. The standard series of the WS-Sanitary-Housings ranges from a filter housing for one single filter cartridge in the length of 10", 20" and 30" to filter housings for 7 filter cartridges in the lengths of 10" to 30". Additional sizes and lengths on request.

NEW

WS Sanitary housings

Technische Daten

Material:	Housing: Stainless steel AISI 316L (1.4404)
	O-Ring: Silicone
	V-Clamp: Stainless steel AISI 304 (1.4301)
	Swing bolts and ring nuts: A2
Inlet / Outlet:	TriClamp ASME, size see table (different connections on request)
Pressure gauge:	diaphragm pressure gauge with TriClamp 1.5" ASME
Vent:	1 x Sanitary-valve
Drain:	1 x Sanitary-valve (inlet side)
Filter elements:	Code 7 (bayonet adapter and fin) Amount and length see table
Installations:	stainless steel AISI 316L (1.4404)
Pressure:	max. 6 bar
Temperature:	max. 95°C
Flow rate:	The flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter element.

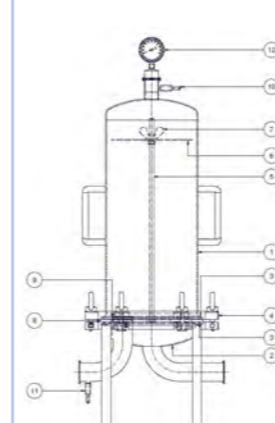
Applications

- Sterile filters for ultra pure water in the electronic industry
- Fine filters for cosmetic products
- Sterile filters for pharmaceutical products
- Bacterial removal filters for the food- and beverage-industry
- Point-Of-Use filters in ultra-pure water systems
- Police filters for production of dairy products
- Post-filters for UV-sterilisation plants

Features and Benefits

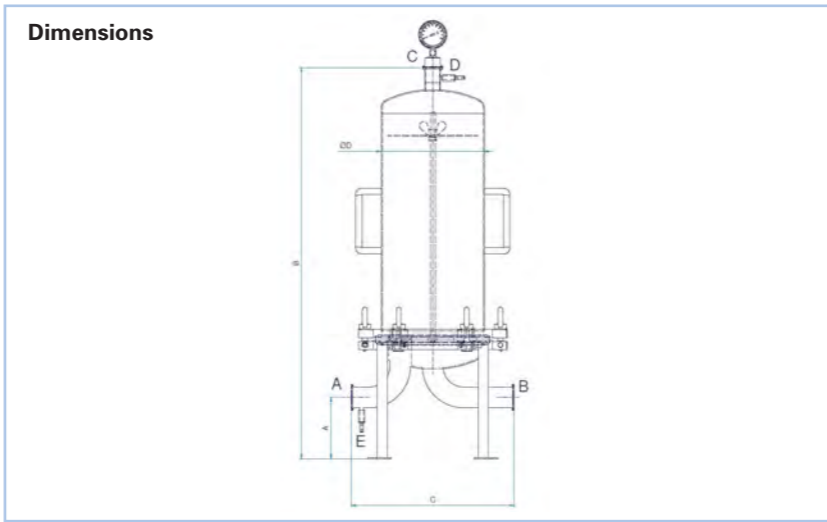
- Cartridge filter housings in sanitary version
- All stainless steel AISI 316L (1.4404)
- Inside and outside mirror-polished $< Ra 0,6\mu m$ inside / $0,8\mu m$ outside
- Housing fastening 01WS with v-clamp, 03WS, 05WS and 07WS with swing bolts and ring nuts
- For filter cartridges Code 7 (bayonet adapter and fin) from 10" to 30"
- Removable adapter connection plate (03WS, 05WS, 07WS)
- Inline configuration of inlet and outlet with TriClamp connectors
- Diaphragm pressure gauge with TriClamp connector
- Sanitary-vent valve and a Sanitary-drain-valve located on the inlet side

Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.
1	Top part	AISI 316L	01WS10/20/30/40-Dom	999992
			03WS10/20/30/40-Dom	999992
			05WS10/20/30/40-Dom	999992
			07WS10/20/30/40-Dom	999992
2	Lower part	AISI 316L	01WS-Unterteil	999992
			03WS-Unterteil	999992
			05WS-Unterteil	999992
			07WS-Unterteil	999992
3	O-Ring for housing and O-Ring, large for connection plate	Silicone	01WS-OR-SIL-GEH	999996
			03WS-OR-SIL-GEH	999996
			05WS-OR-SIL-GEH	999996
			07WS-OR-SIL-GEH	999996
4	V-clamp, swing bolt ring nut Bolt	AISI 304	01WS-Spannklammer	999992
		A2	WS-Klappschraube	999992
		A2	WS-Ringmutter	999992
		AISI 304	WS-Bolzen	999992
5	Rod	AISI 316L	WS-Zugstange-10	999992
			WS-Zugstange-20	999992
			WS-Zugstange-30	999992
6	Centring plate	AISI 316L	03WS-Zentrierplatte	999992
			05WS-Zentrierplatte	999992
			07WS-Zentrierplatte	999992
7	Wing nut	AISI 316L	WS-Zugstange-Mutter	999992
8	Connection plate	AISI 316L	03WS-Aufnahmeplatte	999992
			05WS-Aufnahmeplatte	999992
			07WS-Aufnahmeplatte	999992
9	O-ring, small for connection plate	Silicone	WS-OR-Aufnahmeplatte-klein	999996
10	Sanitary-vent	AISI 316L	WS-Sanitary-Entlüftung	999992
11	Sanitary drain	AISI 316L	WS-Sanitary-Ablass	999992
12	diaphragm pressure gauge	AISI 316L	WS-Manometer-Membrandruckmittler	999997



Dimensions

Type	Elements	A(mm)	B(mm)	C(mm)	D(mm)	In/Out
01WS10	1x10"	105	545	210	101	TriClamp 1" ASME
01WS20	1x20"	105	805	210	101	TriClamp 1" ASME
01WS30	1x30"	105	1055	210	101	TriClamp 1" ASME
03WS10	3x10"	150	690	350	219	TriClamp 1.5" ASME
03WS20	3x20"	150	940	350	219	TriClamp 1.5" ASME
03WS30	3x30"	150	1190	350	219	TriClamp 1.5" ASME
05WS10	5x10"	150	725	400	254	TriClamp 2" ASME
05WS20	5x20"	150	975	400	254	TriClamp 2" ASME
05WS30	5x30"	150	1225	400	254	TriClamp 2" ASME
07WS10	7x10"	150	755	420	273	TriClamp 2" ASME
07WS20	7x20"	150	1005	420	273	TriClamp 2" ASME
07WS30	7x30"	150	1255	420	273	TriClamp 2" ASME

Additional sizes and lengths or different connections for inlet and outlet on request.



All WS-Sanitary-Housings are provided with a diaphragm pressure gauge with TriClamp, a Sanitary-vent valve and a Sanitary-drain-valve located on the inlet side.



For better cleaning the bayonet connection plate can be removed in the 03WS-, 05WS- and 07WS-Sanitary-Housings.

Order example

01	WS	10	-	DN	25	-	226	-	TS
1	2	3		4	4		5		6

Order information

Pos	Designation
1	01 = housing for one filter cartridge 03 = housing for 3 filter cartridges 05 = housing for 5 filter cartridges 07 = housing for 7 filter cartridges Additional amount of filter cartridges on request
2	WS = WS Sanitary housings
3	10 = housing for 10" cartridges 20 = housing for 20" cartridges 30 = housing for 30" cartridges 40 = housing for 40" cartridges (on request)
4	25 = Connection TriClamp 1" ASME 40 = Connection TriClamp 1.5" ASME 50 = Connection TriClamp 2" ASME Different connections and sizes on request
5	226 = For filter cartridges Code 7 222 = For filter cartridges Code 5 / Code 8 (on request)
6	T = Stainless steel AISI 316L (1.4404) S = O-rings silicone (different materials on request)

Cartridge Filter Housings



WTHKE Stainless Steel Cartridge Filter Housing with hangig cartridges

WTHKE Stainless Steel Cartridge Filter Housings with hangig cartridges are run through in vertical direction from the bottom to the top. The hanging cartridges are mounted to an adapter with a handle and can be installed and pulled out individually. This construction makes sure, that in special during filter exchange no pollutions can go from the unfiltered inlet side to the clean outlet side. WTHKE-Cartridge Filter Housings are manufactured in different asseby sizes. The assembly sizes differ from one another in the amount and length of filter cartridges that can be built inside. So there can be built in 3, 5 or 7 filter cartridges in the length from 10" to 40" inside of a housing. WTHKE-Cartridge Filter Housings are provided with the well-proved hinged cover made from casted stainless steel. This offers additional comfort by its easy handling. An other important feature of the WTHKE-Cartridge Filter Housings is the fact, that the position, type and size of the inlet and outlet connections are variable and are only manufactured at time of and according to customer specification. WTHKE-Cartridge filter housings can be supplied with filter cartridges with double open end (DOE) or with adapter and endcap with fin (Code 5). Options for all sizes is a pressure-gauge-vent-unit. For installation of the WTHKE-Cartridge Filter Housings three welded legs or the innovative, space-saving socket can be used.



NEW

WTHKE Stainless Steel Cartridge Filter Housing with hangig cartridges

Technical Data

Material:	Housing: Stainless steel 1.4404/1.4571
	Installations: Stainless steel 1.4404/1.4571
	O-rings: Viton (optional Viton-FEP-encapsulated, EPDM, Silicone)
In- / Outlet:	Position, type and size according to customer specification
Vent:	2 x 1/4" internal thread
Drain:	1/2" internal thread (except version „SU“)
Filter cartridges:	Amount and length see table
Differential pressure:	see data sheet of the filter cartridges
Pressure:	max. 10bar
Temperature:	max. 95°C
Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter element.

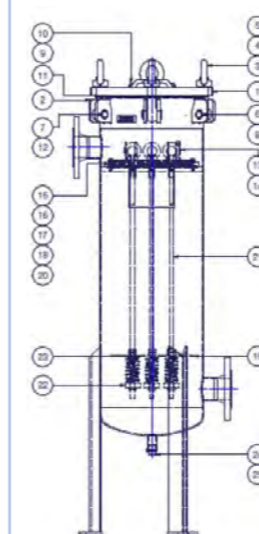
Applications

- Particle filters for cleaning baths
- Process filters for varnishes, paints and adhesives
- End filters for bottling of liquids
- Fine filters for cooling circuits
- Protection filters for pumps
- Pre-filters for reverse osmosis plant
- Pre-filter for drinking water recycling
- Post-filters for activated carbon filters and ion exchangers
- Suspended particle filters for well-water

Features and Benefits

- Hanging cartridges, individually mounted to an adapter with a handle
- Vertical flow direction from the bottom to the top
- Save separation of the clean outlet side from the unfiltered inlet side during filter exchange
- Three assembly sizes for 3, 5 und 7 filter cartridges type DOE or Code 5 in the lengths of 10", 20", 30" or 40"
- Cartridge center posts for DOE filter cartridges made from stainless steel perforated tubes with double-O-ring-adapter and compression nut with cutting edge for safe sealing.
- Well-proved, comfortable, hinged cover made from casted stainless steel
- Housing and installations made from 1.4404 / 1.4571
- Position, type and size of the connections according to customer specification
- Welded legs or with innovative, space-saving socket

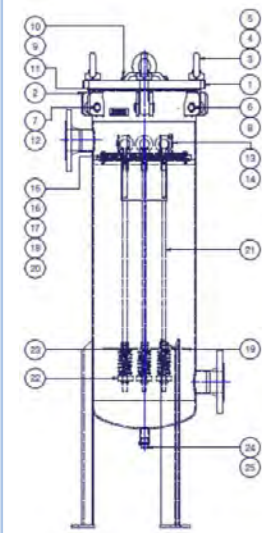
Spare parts



Spare parts

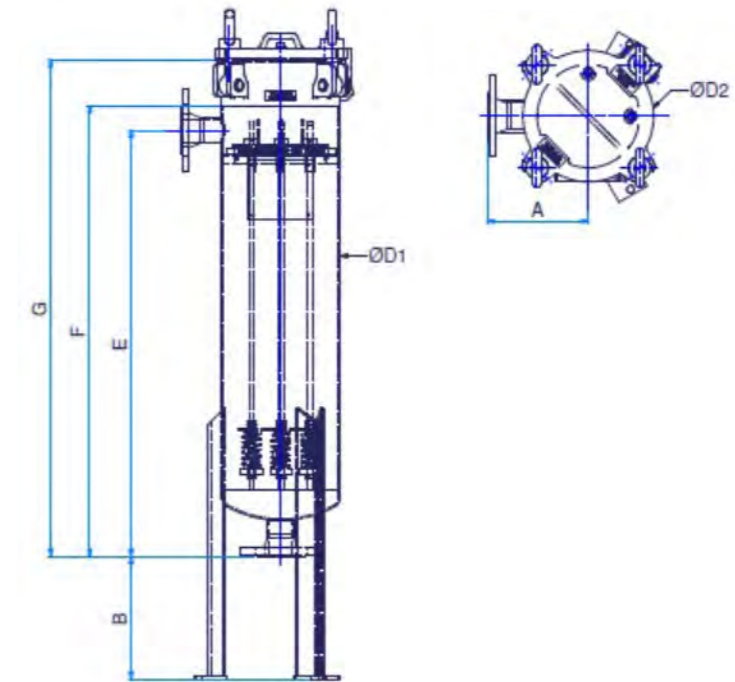
Pos.	Description	Material	Order designation	Order No.
1	03WTHKE-cover	1.4404	d219x3-Deckel-TG	007427
	05WTHKE-cover		d273x3-Deckel-TG	007475
	07WTHKE-cover		d323x3-Deckel-TG	008396
2	03WTHKE-flange	1.4404	d219x3-Flansch-TG	007428
	05WTHKE-flange		d273x3-Flansch-TG	007476
	07WTHKE-flange		d323x3-Flansch-TG	008397
3	03WTHKE-swing bolt	C15, Steel zinc plated	d219x3-Augenschraube-C	007732
	05WTHKE-swing bolt		d219x3-Augenschraube-C	007732
	07WTHKE-swing bolt		d219x3-Augenschraube-C	007732
4	03WTHKE-ring nut	C15, Steel zinc plated	d219x3-Ringmutter-C	007733
	05WTHKE-ring nut		d219x3-Ringmutter-C	007733
	07WTHKE-ring nut		d219x3-Ringmutter-C	007733
5	03WTHKE-washer	V2A	d219x3-U-Scheibe-C	007432
	05WTHKE-washer		d219x3-U-Scheibe-C	007432
	07WTHKE-washer		d219x3-U-Scheibe-C	007432
6	03WTHKE-bolt, short	1.4571	d219x3-Bolzen-kurz-TG	007433
	05WTHKE-bolt, short		d219x3-Bolzen-kurz-TG	007433
	07WTHKE-bolt, short		d219x3-Bolzen-kurz-TG	007433
7	03WTHKE-bolt, long	1.4571	d219x3-Bolzen-lang-TG	007434
	05WTHKE-bolt, long		d219x3-Bolzen-lang-TG	007434
	07WTHKE-bolt, long		d219x3-Bolzen-lang-TG	007434
8	03WTHKE-retaining ring	V2A	d219x3-Sicherungsring-LG	007429
	05WTHKE-retaining ring		d219x3-Sicherungsring-LG	007429
	07WTHKE-retaining ring		d219x3-Sicherungsring-LG	007429
9	Plug, 1/4"	1.4571	3WT-ESTOP-1/4-T	007151
10	Gasket for plug	PTFE	3WT-DIPTFE-ENTL	000364
11	O-ring for housing	Viton	03WTHKE=WTBF40-ORVIT-GEH	001082
			05WTHKE-ORVIT-GEH	007734
			07WTHKE-ORVIT-GEH	008398
		Viton-FEP-encapsulated	03WTHKE=WTBF40-ORFEP-GE	002252
			05WTHKE-ORFEP-GEH	999996
			07WTHKE-ORFEP-GEH	999996
		EPDM	03WTHKE=WTBF40-OREPDM-G	005672
			05WTHKE-OREPDM-GEH	007848
			07WTHKE-OREPDM-GEH	008630
Silicone	03WTHKE=WTBF40-ORSIL-GEH	003856		
	05WTHKE-ORSIL-GEH	999996		
	07WTHKE-ORSIL-GEH	999996		
12	WTHKE-washer, hinge	V2A	d219x3-U-Scheibe-C	007478
13	O-ring for Filter cartridge adapter	1.4404	HKE-Filterkerzen Adapter	999992
14		Viton	ORVIT Adp.f.häng.Kerzen	007846
		Viton-FEP	ORFEP Adp.f.häng.Kerzen	999996
		EPDM	OREPDM Adp.f.häng.Kerzen	999996
		Silicone	ORSIL Adp.f.häng.Kerzen	999996

Spare parts



Pos.	Bezeichnung	Material	Bestellbezeichnung	Artikelnr.
15	O-ring for adapter ring	Viton	03WTHKE=3WT-ORVIT-GEH	007165
			05WTHKE-ORVIT-Ring	999996
			07WTHKE-ORVIT-Ring	999996
		Viton-FEP-encapsulated	03WTHKE= 3WT-ORFEP-GEH	001177
			05WTHKE-ORFEP-Ring	999996
			07WTHKE-ORFEP-Ring	999996
		EPDM	03WTHKE-OREPDM-Ring	999996
			05WTHKE-OREPDM-Ring	999996
			07WTHKE-OREPDM-Ring	999996
		Silicone	03WTHKE-ORSIL-Ring	999996
			05WTHKE-ORSIL-Ring	999996
			07WTHKE-ORSIL-Ring	999996
16	Press-on-device	1.4404	03WTHKE-Andrückplatte-T	999992
			05WTHKE-Andrückplatte-T	999992
			07WTHKE-Andrückplatte-T	999992
17	Washer	V4A	Unterlegscheibe-d6,4-T	999997
18	Screw	V4A	Zylinderschraube-M6-T	999997
19	Center plate	1.4404	03WTHKE-Zentrierplatte-T	999992
			05WTHKE-Zentrierplatte-T	999992
			07WTHKE-Zentrierplatte-T	999992
20	Ring nut	V4A	Ringmutter-M10-T	999992
			WTHKE-Zugstange-10-T	999992
21	Rod for center plate	1.4404	WTHKE-Zugstange-20-T	999992
			WTHKE-Zugstange-30-T	999992
			WTHKE-Zugstange-40-T	999992
			WTGD-Knebel-T	007755
22	Nut for center plate	1.4571	WTGD-Feder-T	008447
23	Spring for Nut	1.4571	3WT-ASTOP-1/2-T	007154
24	Plug, 1/2"	V4A	3WT-DIPTFE-ABL	000363
25	Gasket for plug	PTFE		

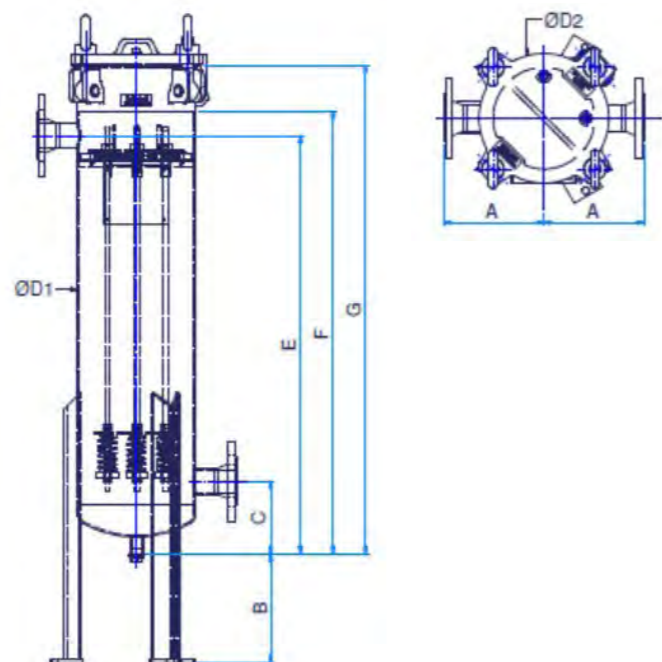
Dimensions for in-/outlet configuration „SU“



Dimensions for in-/outlet configuration „SU“

Type	Cartridges	In/ Out	A	B	øD1	øD1	E	F	G
03WTHKE10	3x10" Ø73	DN40	185	225	219,1	240	530	575	660
03WTHKE20	3x20" Ø73		185	225	219,1	240	785	830	915
03WTHKE30	3x30" Ø73		185	225	219,1	240	1040	1085	1170
03WTHKE40	3x40" Ø73		185	225	219,1	240	1295	1340	1425
05WTHKE20	5x20" Ø73	DN50	210	265	273	290	810	860	945
05WTHKE30	5x30" Ø73		210	265	273	290	1065	1115	1200
05WTHKE40	5x40" Ø73		210	265	273	290	1320	1370	1455
07WTHKE20	7x20" Ø73	DN65	240	300	323,9	345	825	885	970
07WTHKE30	7x30" Ø73		240	300	323,9	345	1080	1140	1225
07WTHKE40	7x40" Ø73		240	300	323,9	345	1335	1395	1480

Dimensions for in-/outlet configuration „SS“ or „SD“



Dimensions for in-/outlet configuration „SS“ or „SD“

Type	Cartridges	In/ Out	A	B	C	ØD1	ØD2	E	F	G
03WTHKE10	3x10" Ø73	DN40	185	200	135	219,1	240	500	565	650
03WTHKE20	3x20" Ø73		185	200	135	219,1	240	775	820	905
03WTHKE30	3x30" Ø73		185	200	135	219,1	240	1010	1075	1160
03WTHKE40	3x40" Ø73		185	200	135	219,1	240	1265	1330	1415
05WTHKE20	5x20" Ø73	DN50	210	225	160	273	290	800	850	935
05WTHKE30	5x30" Ø73		210	225	160	273	290	1055	1105	1190
05WTHKE40	5x40" Ø73		210	225	160	273	290	1310	1360	1445
07WTHKE20	7x20" Ø73	DN65	240	250	180	323,9	345	825	875	960
07WTHKE30	7x30" Ø73		240	250	180	323,9	345	1080	1130	1215
07WTHKE40	7x40" Ø73		240	250	180	323,9	345	1335	1385	1470

Order example

05	WTHKE	S	30	-	F	50	-	SU	-	DOE	-	T	V
1	2	3	4	5	6	7	8	9	10				

Order information

Pos	Designation	
1	03	3 pcs. filter cartridges
	05	5 pcs. filter cartridges
	07	7 pcs. filter cartridges
2	WTHKE	Wolftechnik Cartridge Filter Housing with hangig cartridges
3	-	Welded legs
	S	Socket
4	10	Filter cartridge length 9 ¾" or 10" (248mm or 254mm)
	20	Filter cartridge length 19 ½" or 20" (496mm or 508mm)
	30	Filter cartridge length 30" (762mm)
	40	Filter cartridge length 40" (1016mm)
5	F	Flange DIN2633
	R	BSP-pipe thread, female
	M	Screwed pipe connection DIN11851
	C	Camloc-coupling, male DIN11851
	TC	TriClamp
	6	1½
6	2	2" pipe thread
	40	DN40
	50	DN50
	65	DN65
	80	DN80
7	SU	Inlet connection position on side, outlet in floor
	SS	Inlet connection position on side, outlet on side diagonally across
	SD	Inlet connection position on side, outlet on side below it (on one side)
8	DOE	With perforated center post tubes for filter cartridges type DOE
	222	Without perforated center post tubes for filter cartridges Code 5
9	L	Housing material stainless steel 1.4404/1.4301
	T	Housing material stainless steel 1.4404/1.4571
10	V	O-ring = Viton
	B	O-ring = Buna
	E	O-ring = EPDM
	S	O-ring = Silicone
	F	O-ring = Viton-FEP-encapsulated



Accessories & Adapters

Vents necessary for operation to release the pressure when changing filters, instruments suitable for rest-drainage, pressure controls and gauges when using the filter housings are a typical equipment for pressure vessels, and can be custom made and delivered for specific use.



Socket

For installation of the WTHKE-Cartridge Filter Housings three welded legs or the innovative, space-saving socket can be used.

6.

High-Flow-Faltelemente & Schichtenfilter

High-Flow-Elements are filter cartridges which are provided with extremely high filter surface area and at the same time show a large cross section of its filtrate outlet.

By the high filter surface area High-Flow-Elements can hold back a high amount of solids and by the large outlet cross section can be operated with high flow rates. High-Flow-

Elements in each case need special filter housings which fit their individual diameters, lengths and adaptations and which can accept the required number of filter cartridges

High Flow-Pleated Cartridge



NEW
WFHF
High Flow-Pleated Cartridge, horizontal pleated



NEW
WFHFC
High Flow-Pleated Cartridge with Multi-Layer-Structure

WT-High-Flow-Housings



NEW
WTHF
High-Flow-Housings out of stainless steel



NEW
WTHF150 and WTRP150
High-Flow-Housings out of stainless steel and plastic

Lenticular filters



CLC Lenticular filter cartridge
Cellulose with special polymer binders



High-Flow-Pleated Cartridge, nominal, horizontal pleated



High Flow-Pleated Cartridge, horizontal pleated

WFHFF High-Flow-Pleated cartridges with diameter of 152mm and lengths from 20" to 60" are suitable for the very high flow rates. The internal filter structure is horizontal pleated and for all lengths continuously made from one piece of filter media with 97 – 99% retention efficiency. This creates a lot of space for high dirt hold capacity and long life time.

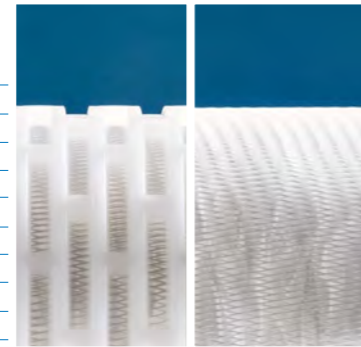
High-Flow-Pleated Cartridges are available in the two adapter-configurations type P and type M, see picture below. The flow rate of type P is from inside to outside and of type M from outside to inside. For the installation of the High-Flow-Pleated Cartridges type P and type M special made filter housings are needed.

NEW

WFHFF High Flow-Pleated Cartridge, horizontal pleated

Technical Data

Filter medium:	Polypropylene
Core support:	Polypropylene
Adapter:	Polypropylene
O-ring:	EPDM, FKM, silicone
Filter ration:	1 - 100 µm
Temperature:	max. 80°C
Filter surface area:	20": 4,5m ² 40": 9,0m ² 60": 13,5m ²
Differential pressure:	max. 3,5 bar at 20°C max. 1,5 bar at 80°C
	Filter exchange recommended at 1,5 bar
Dimensions:	Outside diameter 152mm Lengths 20" - 60"



Applications

- Water treatment plants
- Cooling water for power stations
- Cleaning and rinsing baths
- Beverages and food
- Fine chemicals and developer baths
- Acids and lyes

Features and Benefits

- High-Flow-Pleated Cartridges 20" to 60" long
- Horizontal pleated, high filter surface area
- Filter material continuously made from on piece
- Filter ration 1µm to 100µm, 97.99% efficiency
- 100% polypropylene, thermically welded
- High dirt hold capacity, long life time
- High flow rate, low differential pressure
- Type P flow direction from inside to outside
- Type M flow direction from outside to inside

Flow rate / Differential pressure*

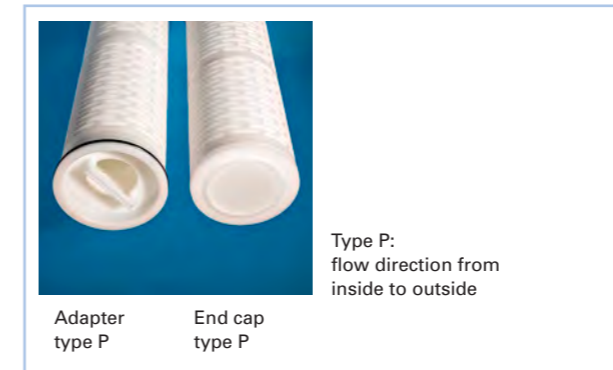
Length	Type P	Type M
20"	15 m ³ /h	15m ³ /h
40"	30 m ³ /h	15m ³ /h
60"	45 m ³ /h	15m ³ /h

*Recommended flow rate at initial differential pressure < 0,1 bar:

Efficiency (%)

Filter Cartridge	2µm	5µm	10µm	25µm	50µm
WFHFF-001	99.0	99.7	100	100	100
WFHFF-003	95.0	97.0	98.9	100	100
WFHFF-005	89.0	96.0	97.9	99.8	100
WFHFF-010	69.0	81.0	96.5	98.8	100
WFHFF-025	-	-	80.0	97.0	99.9
WFHFF-050	-	-	-	85.0	99.7
WFHFF-075	-	-	-	-	-
WFHFF-100	-	-	-	-	-

Adapter Configurations



Order information

WFHFF	-P-	001	-40	PP	E
	Adapter configuration	Filter ration in µm	Length in inch	Material Filtermedium	Sealing compound
WFHFF-High-Flow-Pleated cartridge, horizontal pleated	P: Type P	001: 1 µm	20 : 20"	PP = Polypropylen	E: EPDM
	M: Type M	003: 3 µm	40 : 40"		V: FKM
		005: 5 µm	60 : 60"		S: Silikon
		010: 10 µm			
		025: 25 µm			
		050: 50 µm			
		075: 75 µm			
		100: 100 µm			

High-Flow-Pleated Cartridge, absolute with Multi-Layer-Structure

High Flow-Pleated Cartridge with Multi-Layer-Structure

WFHFC High-Flow-Pleated cartridges with diameter of 152mm and lengths from 20" to 60" are suitable for the very high flow rates. The filter media which is framed in a stable outer cage out of polypropylene is pleated in Multi-Layer-structure and optionally manufactured out of polypropylene or glass fiber. The filter rations from 0.5 µm to 90µm show absolute filter efficiencies. The high filter surface area with depth filter effect creates a lot of space for high dirt hold capacity and long life time.

High-Flow-Pleated Cartridges are available in the two adapter-configurations type P and type M, see picture below. The flow rate of type P is from inside to outside and of type M from outside to inside. For the installation of the High-Flow-Pleated Cartridges type P and type M special made filter housings are needed.



WFHFC High Flow-Pleated Cartridge with Multi-Layer-Structure

NEW

Technical Data

Filter medium:	PP: Polypropylene, GF: Glass fiber
Support/Drainage:	PP: Polypropylene GF: Polyester
Adapter:	PP-glass fiber reinforced
Core:	Polypropylene
Outer cage:	Polypropylene
O-Rings:	EPDM, FKM, silicone
Filter ration:	0.5 - 90 µm, absolute
Temperature:	PP: max. 80°C GF: max. 120°C
Filter surface area:	20": 2,8 m ² 40": 5,6 m ² 60": 8,4 m ²
Differential pressure:	max. 3,5 bar to 20°C max. 1,5 bar to 80°C
Dimensions:	Filter exchange recommended at 1,5 bar Outside diameter 152mm, Lengths 20" - 60"



Applications

- Water treatment plants
- Cooling water for power stations
- Cleaning and rinsing baths
- Beverages and food
- Fine chemicals and developer baths
- Acids and lyes

Features and Benefits

- High-Flow-Pleated cartridges 20" to 60" long
- Multi-Layer-Structure out of PP or glass fiber
- Absolute filter efficiency 0.5µm to 90µm
- Stable outer cage out of polypropylene
- High filter surface are with depth filter effect
- 100% polypropylene, thermically welded
- High dirt hold capacity, long life time
- High flow rate, low differential pressure
- Type P flow direction from inside to outside
- Type M flow direction from outside to inside

Flow rate / Differential pressure*

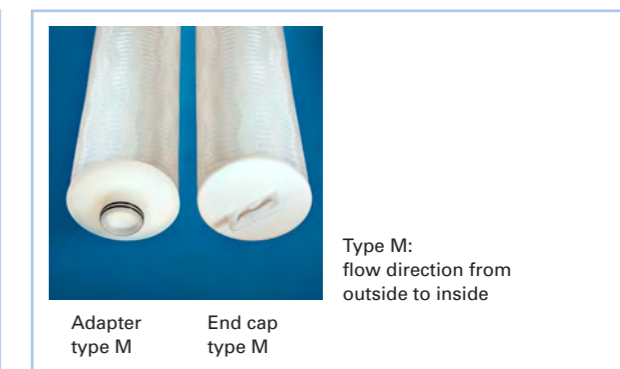
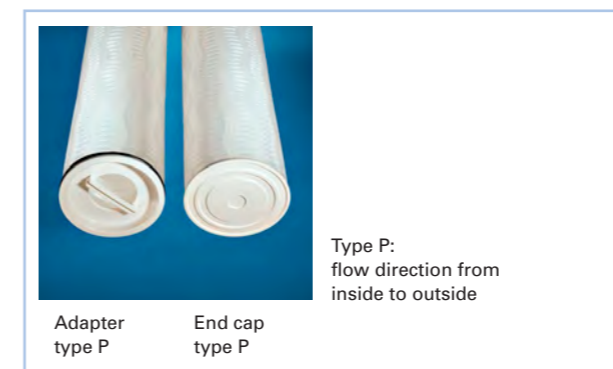
Length	Type P	Type M
20"	15 m ³ /h	15m ³ /h
40"	30 m ³ /h	15m ³ /h
60"	45 m ³ /h	15m ³ /h

*Recommended flow rate at initial differential pressure < 0,1 bar:

Efficiency (%)

Filter Cartridge	2µm	5µm	10µm	25µm	50µm
WFHFC-001	99.87	99.93	100	100	100
WFHFC-003	96.84	98.86	99.58	100	100
WFHFC-005	90.09	98.36	99.39	100	100
WFHFC-010	70.49	82.26	98.18	99.34	100
WFHFC-025	40.09	76.66	89.42	99.14	100
WFHFC-050	-	-	-	-	-
WFHFC-075	-	-	-	-	-
WFHFC-100	-	-	-	-	-

Adapter Configurations



Order information

WFHFC	P	001	-40	PP	E
	Adapter configuration	Filter ration in µm	Lengths in inch	Material Filtermedium	Sealing compound
WFHFC-High-Flow-Pleated Cartridge, with Multi-Layer-Structure	P: Typ P*	001: 1 µm	20 : 20"	PP = Polypropylen	E: EPDM
	M: Typ M	003: 3 µm	40 : 40"	GF = Glas fiber	V: FKM
		005: 5 µm	60 : 60"		S: Silikon
		010: 10 µm	80 : 80"		
		025: 25 µm			
		050: 50 µm			
	075: 75 µm				
	100: 100 µm				

* Type P only available in the length of 20"

Lenticular Cartridge Filters

CLC Lenticular filter cartridge

CLC Lenticular filter cartridges consist of cellulose with special polymer binders. Three types are available: the XE-filter layer with diatomite, the Proc3-filter layer with activated carbon and the W2-support layer used as alluvial filter for filter agents. The filter reaction of the applied XE-filter layer is due to the combined characteristics of the mechanical sieve-action of the filter medium as well as to the binding action of the impure substances resulting from the diatomite which it contains.

CLC Lenticular filter cartridges are manufactured in Ø12" and Ø16", each containing 16 cells. Thus the 12"-elements have a 1.8 sq. m filter area and the 16"-elements have a 3.6 sq. m filter area. Due to their high particle retention the CLC Lenticular filter cartridges are ideally suited for numerous applications in removing colloidal impurities, or as pre-filters to protect and relieve fine filter cartridges.



CLC Lenticular filter cartridge

Technical data

Material:	XE: Cellulose with diatomite
	Proc3: Cellulose with activated carbon
	W2: Cellulose
	(all types with polymer binders)
Support construction:	Polypropylene with stainless steel fixing straps
Gaskets:	Silicone (EPDM, Viton, Buna available)
Diameter:	12": 300 mm
	16": 400 mm
Length:	12: 275 mm
	16: 275 mm
Filter surface:	12: 1.8 sq. m
	16: 3.6 sq. m
Recommended flow rate capacity:	12: max. 2.5 m/h
	16: max. 5 m/h
Differential pressure:	Max. 2 bar at 20°C
Temperature:	Max. 80°C
Sterilisation:	Autoclave or steam at 121°C, 30 min

Applications

- Chemical: paints, resins, varnishes, solvents, inks
- Pharmaceutical: gelatine, serums, saline solutions
- Cosmetics: gels, hair sprays, nail polishes
- Beverages: sugar-syrup, fruit juices, wine, beer, spirits
- Foods: pickling solution, rinsing water

Features and Benefits

- With diatomite to bind impurities
- Mechanical filtration due to cellulose
- Large filter area and compact construction
- Can be delivered in Ø12" and Ø16", each containing 16 cells
- FDA Certified for beverages and foods

Diatomite

Very fine-grained powder, which is won from the silica acid-rich shells of pre-historic dead fresh water and salt water algae. Diatomite has the characteristic of actually binding impure material; therefore it is used for the filtration of insoluble components from liquids. Diatomite is also used in the industry as a filler, matt finish and expanding agent.

Filter ration XE lenticular filters

XE-Lenticular filters	Filter ration*	Filtration range
XE1700	0.7 µm	Sterile filtration
XE1200	0.8 µm	
XE675	1.0 µm	
XE400	1.2 µm	
XE350	1.3 µm	Fine filter ration
XE280	1.4 µm	
XE265	1.5 µm	
XE200	1.6 µm	
XE170	1.7 µm	
XE150	1.8 µm	Polishing filtration
XE90	1.9 µm	
XE70	2.2 µm	
XE50	2.5 µm	Coarse filtration
XE20	2.7 µm	
XE10	3.0 µm	
XE5	5.5 µm	

*) Due to the retaining element of diatomite, the stated filter rations are to be used as a guide only.

Order information

CLC-	16-	16-	XE90-	H/S/M
CLC-Lenticular filter cartridge	Diameter	Number of cells	Filter layer	Addition
	12: Ø 12" (300 mm)	16 = Standard	XE: Cellulose with diatomite	H: Wet-non-tear version
	16: Ø 16" (400 mm)		Proc3: Cellulose with active carbon	S: Protective felt, external
			W2: Cellulose	M: Fibre-retention felt, internal

Lenticular Cartridge Filters



WP Lenticular filter housings

WP housings are used for the insertion of CLC Lenticular filter elements and are made of stainless steel AISI316L (1.4404). The housing fastening of the standard versions come with a v-clamp; the fastening can also be delivered with swinging bolt or bracket screw. The construction of the WP housings is optimal in regard to cleaning and sterilisation. In this respect the housing bolt can be lifted off the top and the separation of the dirt- and clean side takes place directly on the retaining plate of the filter element without an intermediate plate. WP housings are sanitary versions and electro-polished on the inside as well as on the outside.

WP housings can take up between one to four CLC Lenticular filter cartridges in the diameters of 12" and 16". The 12"-elements have a filter area of 1.8 m² and the 16"-elements have a filter area of 3.6 m². Therefore it is possible to accommodate a filter surface of up to 14.4 m² in one WP housing.

WP Lenticular filter housings

Technical data

Material:	Dome:	Stainless steel AISI316L (1.4404)
	Stand:	Stainless steel AISI316L (1.4404)
	O-Ring:	Silicone
In-/Outlet:	See table	
Vent:	DN40	
Drainage:	Pharma-valve	
Filter elements:	12WP:	CLC12
	16WP:	CLC16
Installations:	Stainless steel AISI316L (1.4404)	
Pressure:	Max. 6 bar	
Temperature:	Max. 95°C (sterilisation 150 °C)	
Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter element.	

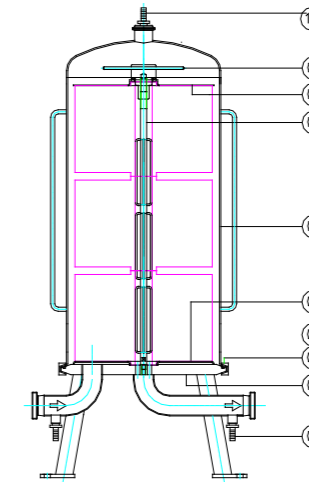
Applications

- Chemical: paints, resins, varnishes, solvents
- Pharmaceutical: gelatine, serums, saline solutions
- Cosmetics: gels, hair sprays, nail polishes
- Beverages: sugar-syrup, fruit juices, wine, beer, spirits
- Foods: pickling solution, rinsing water

Features and Benefits

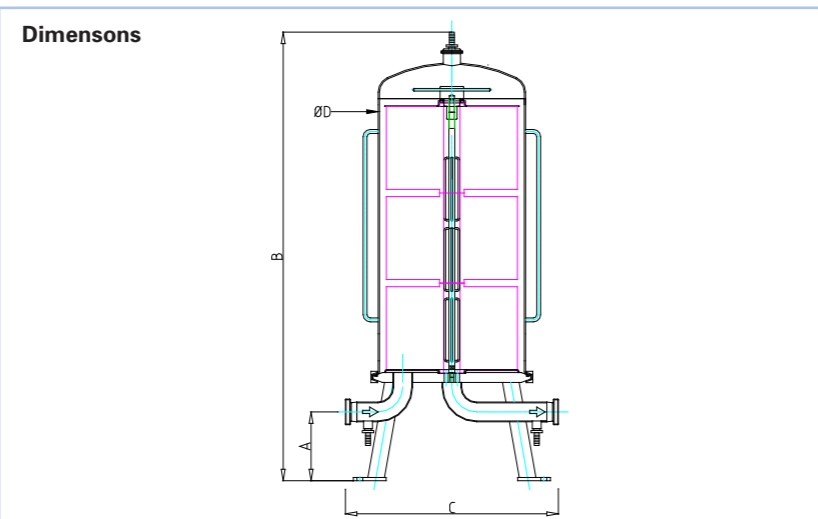
- Lenticular filter housings in sanitary versions
- Made entirely from stainless steel, electro polished internally and externally
- Can be optimally cleaned and sterilised
- Housing fastening with v-clamp, swinging bolt or bracket screw
- Separation of dirt- and clean side without intermediate plate
- Filter area: 1.8 sq. m to 14.4 sq. m
- Inline alignment of in- and outlet

Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.
1	Top part	AISI 316L	12WP1-Oberteil	999992
			12WP2-Oberteil	999992
			12WP3-Oberteil	999992
			12WP4-Oberteil	999992
			16WP1-Oberteil	999992
			16WP2-Oberteil	999992
			16WP3-Oberteil	999992
			16WP4-Oberteil	999992
2	Lower part	AISI 316L	12WP-Unterteil	999992
			16WP-Unterteil	999992
3	O-ring for housing	Silikon	12WP-ORSIL-GEH	999996
			16WP-ORSIL-GEH	999996
4	V-clamp	AISI 304	12WP-Spannklammer	999992
			16WP-Spannklammer	999992
5	Center post	AISI 316L	WP1-Zentrierstange	999992
			WP2-Zentrierstange	999992
			WP3-Zentrierstange	999992
			WP4-Zentrierstange	999992
6	Deflector, on top	AISI 316L	12WP-Prallblech, oben	999992
			16WP-Prallblech, oben	999992
7	Toggle	Polypropylen	WP-Knebel	999992
8	Deflector, at the bottom	AISI 316L	12WP-Prallblech, unten	999992
			16WP-Prallblech, unten	999992
9	Sanitary vent	AISI 316L	WS-Entlüftung	999992
10	Sanitary drainage	AISI 316L	WS-Entlüftung	999992



Dimensons

Type	Elements	A(mm)	B(mm)	C(mm)	D(mm)	In/ Out
12WP1	1x12" CLC-Element	210	780	440	350	DN40
12WP2	2x12" CLC-Element	210	1130	440	350	DN40
12WP3	3x12" CLC-Element	210	1530	440	350	DN40
12WP4	4x12" CLC-Element	210	1930	440	350	DN40
16WP1	1x16" CLC-Element	250	820	640	550	DN50
16WP2	2x16" CLC-Element	250	1170	640	550	DN50
16WP3	3x16" CLC-Element	250	1570	640	550	DN50
16WP4	4x16" CLC-Element	250	1970	640	550	DN50

Order example

12	WP	1	-	DN40	-	TS
1	2	3	4	5		

Order information

Pos	Designation
1	12 = Diameter CLC Elements 12"
	16 = Diameter CLC Elements 16"
2	WP = Type description
3	1 = Housing for one CLC Element
	2 = Housing for 2 CLC Elements
	3 = Housing for 3 CLC Elements
	4 = Housing for 4 CLC Elements
4	40 = Connection DN 40
	50 = Connection DN 50
5	T = stainless steel AISI316L (1.4404)
	S = O-ring made of Silicone

WT-High-Flow-Housings

WTHF out of stainless steel

WT-High-Flow-Housings are built with regard to the flow rate much more compact and space-saving as common filter housings with standard filter elements. For this, diameter, length and adapter-connection-plate of the WT-High-Flow-Housings are tailored to accept WFHFF- and WFHFC-High-Flow-Elements. For this, flow rates up to 30m³/h can be achieved.

WTHF-High-Flow-Housings are made from stainless steel AISI316L. The nominal size of the connections for inlet and outlet ranges according from DN50 to DN80. The housing cover of the WTHF-housings are equipped with swing-bolts and ring-nuts.

All WTHF-Housings can be supplied with two pressure-gauges for inlet and outlet as well as two ball valves for drain and vent.



WTHF out of stainless steel

NEW



Technical Data

Material:	Housing: WTHF: stainless steel AISI316L
	Gaskets: FKM, optional EPDM or Silicone
	Swing-bolts and ring-nuts: AISI304
Inlet / outlet:	see table (different connections on request)
Pressure-gauge:	2 x R 1/4"
Vent:	1 x R 1/2"
Drain:	1 x R 1/2"
Filter element:	1 x WFHFF or WFHFC
	length see table
Internal parts:	Stainless steel AISI316L
Pressure:	max. 10 bar
Temperature:	max. 95°C
Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter element.

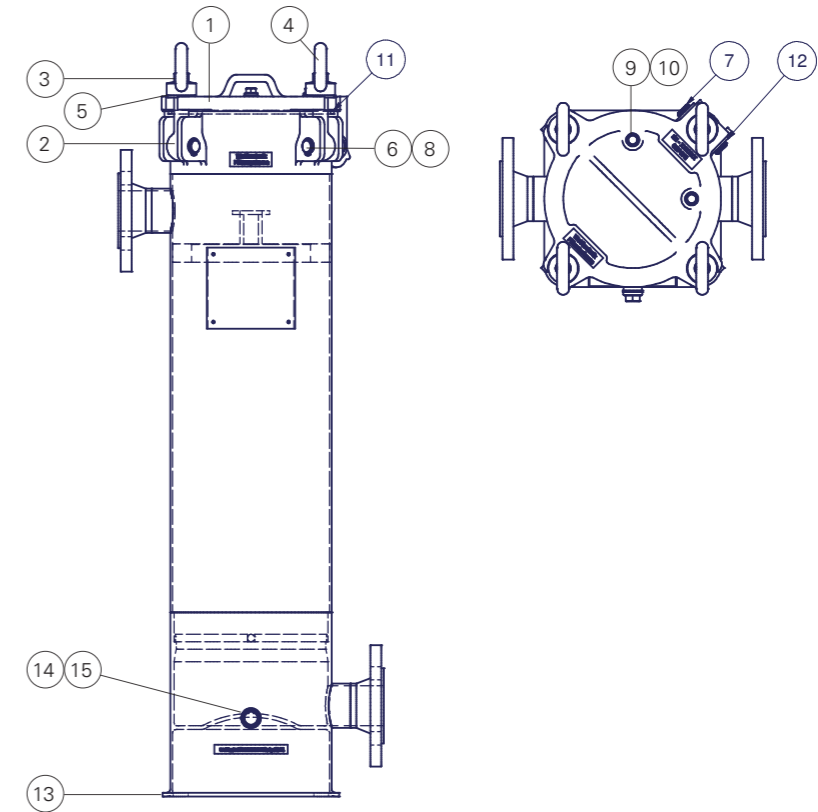
Applications

- Pre-filter of water-treatment-plants
- Fine-filter for well-water
- Circuit filter for protection of heat-exchangers
- Main flow filter for cooling water

Features and Benefits

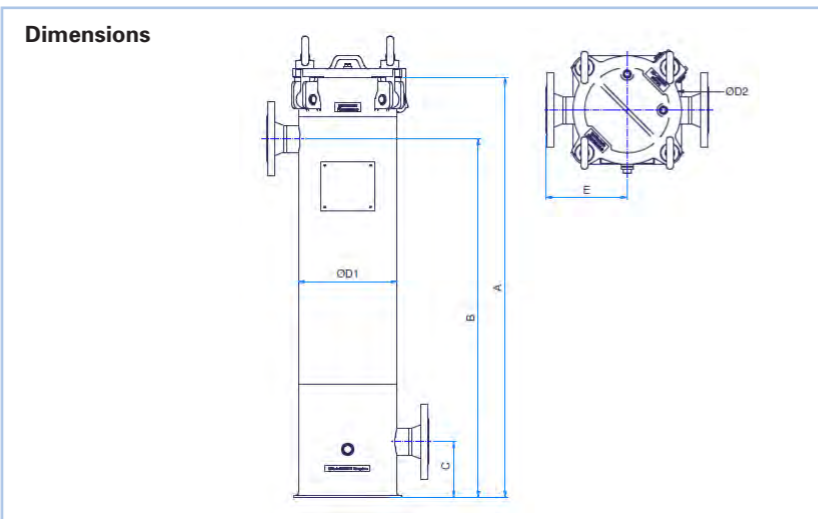
- Compact and space-saving design with regard to the flow rate
- For High-Flow filter elements WTHFF and WTHFC
- Completely made from stainless steel AISI316L
- Housing cover WTHF with swing-bolts and ring-nuts

Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.
1	Cover	Stainless steel 1.4404	d219x3-Deckel-TG	007427
2	Flange	Stainless steel 1.4404	d219x3-Flansch-TG	007428
3	Swining bolt	C15 C-steel, zinc plated	d219x3-Augenschraube-C	007732
4	Ring nut	C15 C-steel, zinc plated	d219x3-Ringmutter-C	007733
5	Washer	Stainless steel A2	d219x3-U-Scheibe-L	007432
6	Bolt, short	1.4404	d219x3-Bolzen-kurz-TG	007433
7	Bolt, long	1.4404	d219x3-Bolzen-lang-TG	007434
8	Retaining ring	C15 C-steel, zinc plated	d219x3-Sicherungsring-LG	007429
9	Hex-plug	1.4571	3WT-ESTOP-1/4-T	007151
10	Gasket	PTFE	3WT-DIPTFE-ENTL	000364
11	O-Ring for housing	Viton	WTBF40-ORVIT-GEH	001082
		Viton encapsulated	WTBF40-ORFEB-GEH	002252
		EPDM	WTBF40-OREPDM-GEH	005672
		Buna	WTBF40-ORBUN-GEH	001154
		Silicone	WTBF40-ORSIL-GEH	003856
12	Washer	Stainless steel A2	d219x3-U-Scheibe-L	007478
13	Socket	Stainless steel 1.4404	d219x5-Sockel-TG	009002
14	Drain plug 1/2"	1.4571	3WT-ASTOP-1/2-T	007154
15	Gasket	PTFE	3WT-DIPTFE-ABL	000363
16	Press-on-device	Stainless steel 1.4404	WTHF-Andrueckvorrichtung-TG	999992



Dimensions

Typ	WFHF-elements	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)	Inlet/ Outlet
WTHF-1-20	1x20"	930	795	123	219	240	180	DN50
WTHF-1-40	1x40"	1440	1305	123	219	240	180	DN50

Additional sizes and lengths or different connections for inlet and outlet on request.

Order example

WTHF	-1	-20	-SS	-F	50	-T	V	-GD	S	-V
1	2	3	4	5	6	7	8	9	10	11

Order information

Pos	Designation	
1	WTHF: WTHF-High-Flow-Housing	
2	1:	1 x High-Flow-Element
3	20:	High-Flow-Element 20" length
	40:	High-Flow-Element 40" length
4	SS:	Inlet position on side, outlet on side diagonally across
	SD:	Inlet position on side, outlet on side below it (on one side)
5	F:	Flange
	R:	Internal pipe thread
	M:	Screwed connection DIN11851
	TC:	TriClamp
	C:	Camloc coupling
6	50:	Connection DN 50
	65:	Connection DN 65
	80:	Connection DN 80
7	T:	Housing material AISI316L
	L:	Housing material AISI 304
8	V:	O-Ring FKM
	B:	O-Ring Buna
	E:	O-Ring EPDM
	S:	O-Ring Silicone
	F:	O-Ring Viton-FEP-encapsulated
9	GD:	Hinged cover casted stainless steel with swing bolts and ring nuts
10	S:	Socketed casted stainless steel
11	V:	Vertical Design
	H:	Horizontal Design

WT-High-Flow-Housings



WTHF150 out of stainless steel and
WTFRP150 out of plastic

WTHF150 out of stainless steel and WTFRP150 out of plastic

WT-High-Flow-Housings are built with regard to the flow rate much more compact and space-saving as common filter housings with standard filter elements. For this, diameter, length and adapter-connection-plate of the WT-High-Flow-Housings are tailored to accept WFHFF- and WFHFC-High-Flow-Elements. For this, flow rates from 30m³/h with WT-High-Flow-Housings with one High-Flow filter element to 350m³/h with WT-High-Flow-Housings with 7 High-Flow filter elements can be achieved.

WTHF150-High-Flow-Housings are made from stainless steel AISI304 or AISI316L and inside and outside mirror-polished. The nominal size of the connections for inlet and outlet ranges according to the amount of installed filter elements from DN80 to DN250. The housing cover of the WTHF150-housings are equipped with swing-bolts and ring-nuts and from size 03WTHF150 on additionally provided with a cover- lift- and swivel-device. All WTHF150-Housings come with two pressure-gauges for inlet and outlet as well as two ball valves for drain and vent.

WTFRP150-High-Flow-Housings made from glass-fiber-reinforced plastic (FRP) are available in special for the use with corrosive medias. These also are intended to accept WFHFF- and WFHFC-High-Flow-Elements. WTFRP150-High-Flow-Housings are similar in structure to pressure pipes of reverse-osmosis-elements and can excellently be combined with this.



NEW

Technical Data

Material:	Housing:	WTHF150: stainless steel AISI304 or AISI316L
		WTFRP150: glass-fiber-reinforced plastic
Gasket:		FKM, optional EPDM or Silikon
		Swing-bolts and ring-nuts: AISI304
Inlet / outlet:	see table (different connections on request)	
Pressure-gauge:	2 x M14x1,5, 0-10bar	
Vent:	1 x ball valve ½"	
Drain:	1 x ball valve ½" (from WTHF150-5 on drain 1")	
Filter elements:	WFHFF or WFHFC	
	Amount and length see table	
Internal parts:	Stainless steel AISI304 or AISI316L	
Pressure:	max. 10 bar	
Temperature:	max. 95°C	
Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter element.	

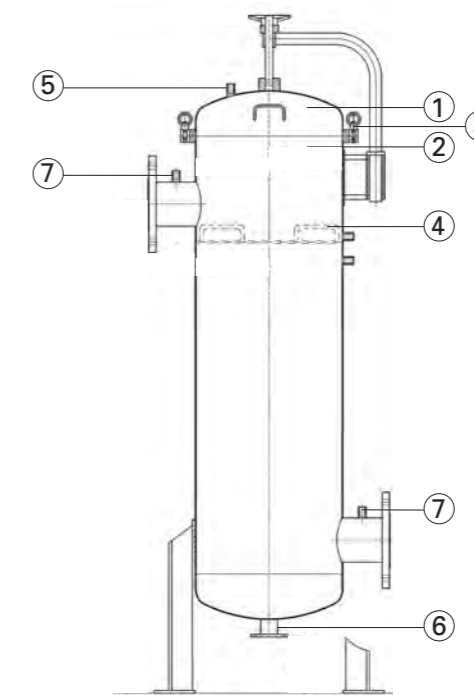
Applications

- Pre-filter of water-treatment-plants
- Fine-filter for well-water
- Circuit filter for protection of heat-exchangers
- Main flow filter for cooling water

Features and Benefits

- Compact and space-saving design with regard to the flow rate
- For High-Flow filter elements WTHFF and WTHFC
- WTHF150 completely made from stainless steel AISI304 or AISI316L, mirror-polished
- WTFRP150 made from glass-fiber-reinforced plastic, outside coated white
- Housing cover WTHF150 with swing-bolts and ring-nuts
- Housing cover WTFRP150 with tongue and groove elements.

Spare parts

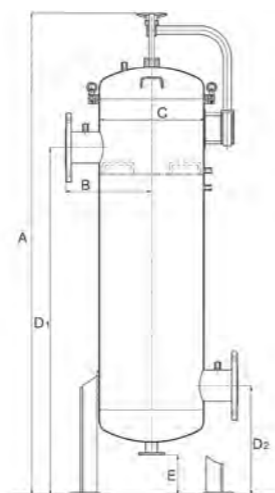


Spare parts

Pos.	Description	Material	Order designation	Order No.	
1	Cover	AISI316L (AISI304)	WTHF150-1-Deckel-T (-L)	#999992	
			WTHF150-3-Deckel-T (-L)	#999992	
			WTHF150-4-Deckel-T (-L)	#999992	
			WTHF150-5/6/7-Deckel-T (-L)	#999992	
2	O-Ring for housing	Viton (EPDM, Silicone)	WTHF150-1-OR-V (-E, -S)	#999996	
			WTHF150-3- OR-V (-E, -S)	#999996	
			WTHF150-4- OR-V (-E, -S)	#999996	
			WTHF150-5/6/7- OR-V (-E, -S)	#999996	
3	Swing bolt	AISI 304	WTHF150-Klappschraube	#999992	
			Ring nut	WTHF150-Ringmutter	#999992
			Bolt	WTHF150-Bolzen	#999992
			Retaining ring	WTHF150-Sicherungsring	#999992
4	Press-on-device	AISI 316L (AISI304)	WTHF150-Andrückvorrichtung-T (-L)	#999992	
5	Vent ball valve	AISI316	WTHF150-Entlüftungskugelhahn-1/2	#999997	
6	Drain ball valve	AISI316	WTHF150-Entlüftungskugelhahn-1	#999997	
7	Pressure gauge 0-10bar	AISI316	WTHF150-Manometer-10bar-M14x1,5	#999997	



Dimensions



Dimensions

Typ	WFHF-elements	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)	Inlet/ Outlet
WTHF150-1-20	1x20"	1055	250	219	855	335	150	DN80
WTHF150-1-40	1x40"	1555	250	219	1355	335	150	DN80
WTHF150-1-60	1x60"	2055	250	219	1855	335	150	DN80
WTHF150-3-20	3x20"	1670	380	400	1155	405	150	DN125
WTHF150-3-40	3x40"	2170	380	400	1655	405	150	DN125
WTHF150-3-60	3x60"	2670	380	400	2155	405	150	DN125
WTHF150-4-20	4x20"	1700	400	450	1675	420	200	DN150
WTHF150-4-40	4x40"	2200	400	450	2175	420	200	DN150
WTHF150-4-60	4x60"	2700	400	450	2675	420	200	DN150
WTHF150-5-20	5x20"	2080	410	550	1340	550	200	DN200
WTHF150-5-40	5x40"	2580	410	550	1840	550	200	DN200
WTHF150-5-60	5x60"	3080	410	550	2340	550	200	DN200
WTHF150-6-20	6x20"	2100	455	550	1340	570	200	DN200
WTHF150-6-40	6x40"	2600	455	550	1840	570	200	DN200
WTHF150-6-60	6x60"	3100	455	550	2340	570	200	DN200
WTHF150-7-20	7x20"	2100	455	550	1340	570	200	DN250
WTHF150-7-40	7x40"	2600	455	550	1840	570	200	DN250
WTHF150-7-60	7x60"	3100	455	550	2340	570	200	DN250

Additional sizes and lengths or different connections for inlet and outlet on request

Oder example

WTHF	150	-1	-20	-F	-H	-D	-F125	-V	-Y	-C	-V
1	2	3	4	5	6	7	8	9	10	11	12

Order information

Pos	Designation
1	WTHF: WTHF-High-Flow-Housing
	WTFRP: WTFRP-High-Flow-Housing
2	150: Diameter High-Flow-Elements 150mm
3	1: 1 High-Flow-Element
	3: 3 High-Flow-Elements
	4: 4 High-Flow-Elements
	5: 5 High-Flow-Elements
	6: 6 High-Flow-Elements
	7: 7 High-Flow-Elements
4	20: High-Flow-Element length 20"
	40: High-Flow-Element length 40"
	60: High-Flow-Element length 60"
5	F: Housing material AISI304
	S: Housing material AISI316L
6	H: Connection for High-Flow-Adapter type P
7	D: Cover with swing-bolts and ring-nuts
8	F80: Inlet/outlet DN80 (1-round)
	F125: Inlet/outlet DN125 (3-round)
	F150: Inlet/outlet DN150 (4-round)
	F200: Inlet/outlet DN200 (5- and 6-round)
	F250: Inlet/outlet DN250 (7-round)
9	V: O-Ring FKM
	E: O-Ring EPDM
	S: O-Ring Silicone
10	Y: Design pressure 10bar
11	A: Mirror polished inside and outside
	C: Outside ball blasted, inside mirror polished
12	V: Vertical Design
	H: Horizontal Design

7.

Bag Filters and Strainer Baskets

Bag filters and strainers made of stainless steel and plastic with filter areas from 0.05 to 0.5 sq m differ from one another in the type of cover used. The housings can take the form of single filters, switchable double filters, or multiple filters.

All bag filters are modifiable standard versions. The type, size and location of the connections, the cover and surface characteristics of the housings can be adjusted to meet your requirements.

Filter Bags, LUPUS®II, Strainer Baskets, Magnet inserts,

The filter bags or strainer baskets placed in the housings are available in various sizes, with different filter ratings and made of different materials. This allows you to select the right one for your application, depending on the flow rate and required resistance.

Stainless Steel Housings



WTBF-GD
With casted, hinged cover



NEW
WTBF-GDS
With hinged cover and socket



WTBF-SB
With stud bolt and removable cover



DWTBF
Double-bag filter housing with switch between the two



4WTBF
4-part bag filter housing



NEW
WTBKF
Combo housing for filter bags and filter cartridges

Plastic Housings



PBH
Inline housing



WTBF-PP/-PVDF
With stud bolt and removable cover

Filter Bags, LUPUS®II, Strainer Baskets, Magnet inserts



WFB Filter bag, nominal
PO, PE, NMO



NEW
WFB-2IP Filter bags
Double-layer filter bags with internal pleats



NEW
WFB-1AP Filter bags
Single-layer filter bags with NMO-support



NEW
LUPUS®II-Filter elements
Depth filters and pleated filters for bag filter housings



WTBF-Sieve baskets
Stainless steel sieve mesh or perforated sheeting



WTBF 40/85 - Magnet inserts
Magnet inserts for bag filter housings

Bag Filters and Strainer Baskets

WTBF-GD Stainless Steel Bag Filter Housing with casted, hinged cover

WTBF-GD stainless steel bag filter housings with casted, hinged cover and swinging bolts are manufactured in four assembly sizes. The four assembly sizes differ from one another in their filter area. They range from 0.05 m² filter area in the smallest version to 0.5 m² filter area in the largest version.

WTBF-GD bag filter housings are supplied with a basket made of stainless steel mesh and with a springsupported press-on device for the retention and sealing of the filter bags. An important feature of the WTBF-GD bag filter housings is the fact, that the position, type and size of the inlet and outlet connections are variable and are only manufactured at time of and according to customer specification. WTBF-GD bag filter housings also can be offered with stainless steel strainer baskets or with our LUPUS®II -Filter elements. Options for all sizes are a tripod, a volume reducer for the reduction of the inside volume and a magnet insert for preseparation of ferrite particles.



WTBF-GD Stainless Steel Bag Filter Housing with casted, hinged cover

Technical data

Material:	Housing: stainless steel 1.4404/1.4571 Basket: stainless steel 1.4401
O-Ring:	Viton (Viton-FEP-encapsulated, EPDM, Silicone, Buna)
Inlet/Outlet:	Size, type and position according to customer specification
Vent:	2 x G 1/4" internal thread
Drain:	R 1" external thread (except for version „SU“)
Filter bag:	See table
Installations:	Stainless steel 1.4571
Differential pressure:	max. 3.5 bar
Pressure:	max. 10bar
Temperature:	max. 95°C
	With PP-Filter bags max. 70°C, relating to bag material
Flow Rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter bag.

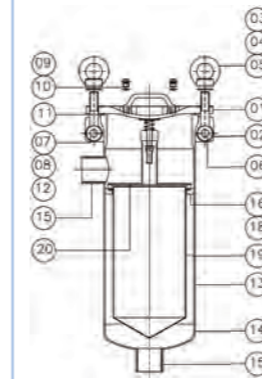
Applications

- Fine filters for cooling water
- Particle filter for cleaning baths
- Pre-filters for reverse osmosis plants
- Protection filters for pumps
- Pre-filters for drinking water treatment
- Post-filters for activated carbon filters and ion exchangers
- Suspended particle filters for well water
- Process-filters for paints, varnishes and solvents
- Coarse filters for delivery per refuelling vehicle

Features and Benefits

- bag filter housing made from stainless steel
- casted, hinged cover and swinging bolts
- two small sizes with 0.05 m² and 0.1 m² filter area and two large sizes with 0.25 m² and 0.5 m² filter area
- position, type and size of the inlet and outlet connections are variable
- basket made of stainless steel mesh
- spring-supported press-on device made of stainless steel
- Options for all sizes are a tripod, a volume reducer and a magnet insert
- can be offered with stainless steel strainer baskets or LUPUS®II -Filter elements

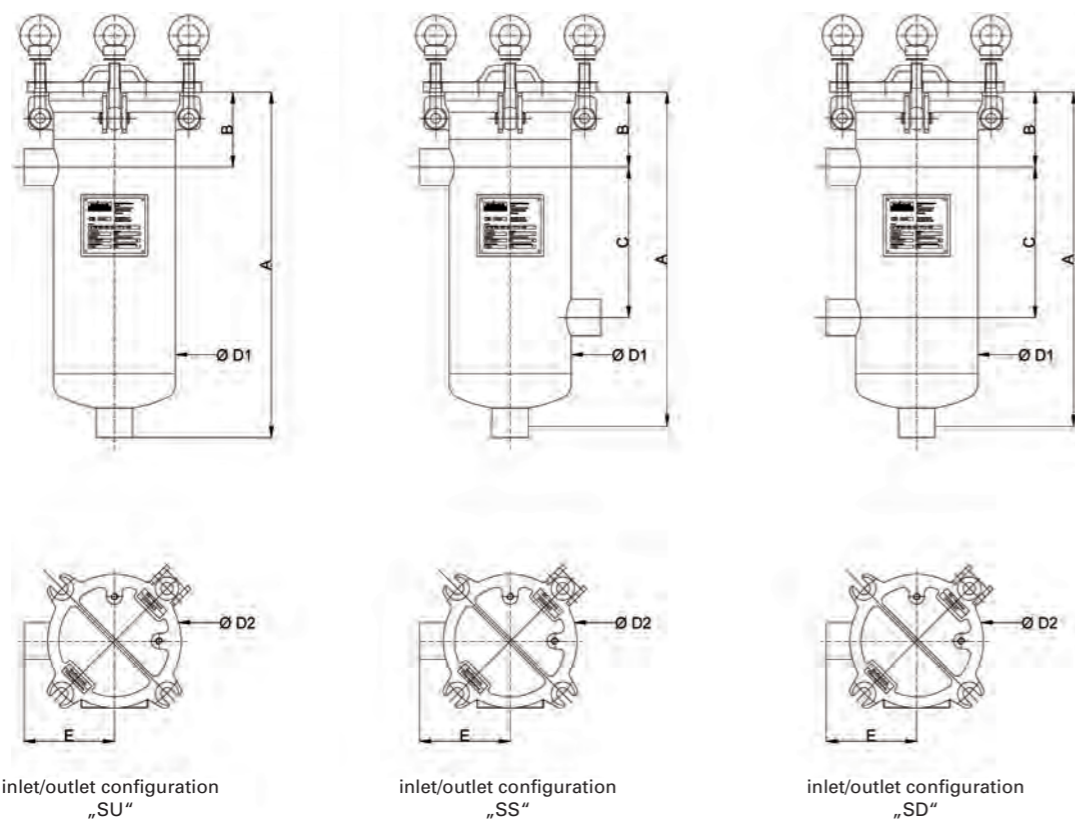
Spare parts



Spare parts

Pos.	Description	Material	Order Designation	Order No.	
1	Cover	Stainless steel 1.4404	d129x2-Deckel-TG	007459	
			d219x3-Deckel-TG	007427	
2	Flange	Stainless steel 1.4404	d129x2-Flansch-TG	007461	
			d219x3-Flansch-TG	007428	
3	Swinging bolt	C15, C-steel	d129x2-Augenschraube-C	007723	
			d219x3-Augenschraube-C	007732	
4	Ring nut	C15, C-steel	d129x3-Ringmutter-C	007729	
			d219x3-Ringmutter-C	007733	
5	Washer	C-steel	d129x2-U-Scheibe-C	007717	
			d219x3-U-Scheibe-C	007432	
6	Bolt, short	Stainless steel 1.4404	d129x2-Bolzen-kurz-TG	007479	
			d219x3-Bolzen-kurz-TG	007433	
7	Bolt, long	Stainless steel 1.4404	d129x2-Bolzen-lang-TG	007480	
			d219x3-Bolzen-lang-TG	007434	
8	Retaining ring	A2	d129x2-Sicherungsring-LG	007716	
			d219x3-Sicherungsring-LG	007429	
9	Plug	Stainless steel 1.4571	3WT-ESTOP-1/4-T	007151	
10	Gasket	PTFE	3WT-DIPTFE-ENTL	000364	
11	O-Ring for Housing	Viton	WTBF35-ORVIT-GEH	004402	
			WTBF40-ORVIT-GEH	001082	
			Viton-FEP-	WTBF35-ORFEP-GEH	003940
			encapsulated	WTBF40-ORFEP-GEH	002252
			EPDM	WTBF35-OREPDM-GEH	002299
			WTBF40-OREPDM-GEH	005672	
			Buna	WTBF35-ORBUN-GEH	999996
			WTBF40-ORBUN-GEH	001154	
			Silicone	WTBF35-ORSIL-GEH	999996
			WTBF40-ORSIL-GEH	003856	
12	Washer	C-steel	d129x2-U-Scheibe-C	007717	
			d219x3-U-Scheibe-C	007478	
13	Shell	Stainless steel 1.4571	---	---	
14	Dished bottom	Stainless steel 1.4571	---	---	
15	Inlet / outlet	Stainless steel 1.4571	---	---	
16	Ring	Stainless steel 1.4571	---	---	
17	Name plate holder	Stainless steel 1.4571	---	---	
18	O-Ring for basket	Viton	AVPP-ORVIT-ST	000143	
			WTBF40-ORVIT-KRB	001075	
			Viton-FEP-	AVPP-ORFEP-ST	004401
			encapsulated	WTBF40-ORFEP-KRB	002253
			EPDM	AVPP-OREPR-ST	001184
			WTBF40-OREPDM-KRB	005673	
			Buna	AVPP-ORBUN-ST	000142
			WTBF40-ORBUN-KRB	001145	
			Silicone	AVPP-ORSIL-ST	004241
			WTBF40-ORSIL-KRB	003857	
19	Basket	Stainless steel 1.4401	WTBF35-KORB-GEWE	004695	
			WTBF40-KORB-GEWE	001346	
			WTBF85-KORB-GEWE	001345	
20	Press-on-device	Stainless steel 1.4571	WTBF35-Andrückvorrichtung-TG	007724	
			WTBF40-Andrückvorrichtung-TG	007725	

Dimensions



Dimensions

	A	B	C	Ø D1	Ø D2	E*
WTBF20-GD	425	120	125	129	155	105
WTBF35-GD	575	120	250	129	155	105
WTBF40-GD	620	135	250	219	240	160
WTBF85-GD	950	135	250	219	240	160

E*: Only for version with internal or external thread. Version with flanges about 50 mm longer.

Filter Bags

Bag Filter Housing	WTBF20-GD	WTBF35-GD	WTBF40-GD	WTBF85-GD
Filter surface	0.05 m ²	0.1 m ²	0.25 m ²	0.5 m ²
Volume Housing (l)	4	5	20	30
Filter bag	Size 3	Size 4	Size 1	Size 2
Ø Bag (mm)	100	100	180	180
Length bag (mm)	229	381	419	813
Volume bag (l)	1.4	2.5	8	17
Volume reducer	+	+	+	+
Tripod	+	+	+	+
Magnet insert	+	+	+	+
Material:	PO: Polypropylene 1 – 300 µm			
	PE: Polyester 1 – 200 µm			
	NMO: Nylon 25 – 1200 µm			

Order example

WTBF	40	-	R	2	-	SU	-	T	T	V	-	GD
1	2		3	4		5		6	7	8		9

Order information

Pos	Designation	
1	WTBF	Wolftechnik bag filter housing
2	20	Size for P3P bags
	35	Size for P4P bags
	40	Size for P1P bags
	85	Size for P2P bags
3	R	Internal pipe thread
	F	Flange
	M	Screwed connection DIN11851
	TC	TriClamp
	C	Camloc coupling
4	1---	1"
	1 ½	1 ½"
	2---	2"
	--40	DN 40
	--50	DN 50
5	SU	Inlet connection position on side, outlet in floor
	SS	Inlet connection position on side, outlet on side diagonally across
	SD	Inlet connection position on side, outlet on side below it (on one side)
6	T	Housing material stainless steel
7	T	Basket material stainless steel
8	V	O-Ring = Viton
	B	O-Ring = Buna
	E	O-Ring = EPDM
	S	O-Ring = Silicone
9	F	O-Ring = Viton-FEP-ummantelt
	GD	Casted, hinged cover and swinging bolts with ring nuts.

Accessories & Mountings

Fittings and accessories for our filter housings made of stainless steel, brass or plastic increase the use and safety for the user and for the operating personnel. We offer useful accessories and options for all filter housings to complete the standard versions.



Accessories

Vents necessary for operation to release the pressure when changing filters, instruments suitable for rest-drainage, pressure controls and gauges when using the filter housings are a typical equipment for pressure vessels, and can be custom made and delivered for specific use.



Tripod legs

For installation of bag filter housings

Bag Filters and Strainer Baskets



WTBF-GDS Stainless steel Bag Filter Housing

WTBF-GDS Stainless steel Bag Filter Housing with casted, hinged cover and socket.

WTBF- GDS stainless steel bag filter housings with casted socket and hinged cover convince through their compact, space-saving design. And another advantage ist that because of the special design of the socket-bottom together with the horizontal outlet the housings can be drained completely. WTBF-GDS bag filter housings are manufactured in two assembly sizes. The assembly sizes reange from 0.25 m² filter surface area for the size WTBF40-GDS and to 0.5 m² for the size WTBF85-GDS. WTBF-GDS bag filter housings are supplied with a basket made of stainless steel mesh and with a spring-supported press-on device for the retention and sealing of the filter bags. An important feature of the WTBF-GDS bag filter housings is the fact, that the position, type and size of the inlet and outlet connections are variable and are only manufactured at time of and according to customer specification. WTBF-GDS bag filter housings also can be offered with stainless steel strainer baskets or with our patented LUPUS-system. Options for all sizes are a volume reducer for the reduction of the inside volume and a magnet insert for preseparation of ferrite particles.



NEW

Technical data

Material:	Housing: stainless steel 1.4404/1.4571 Basket: stainless steel 1.4401
Inlet / Outlet:	O-Ring: Viton (Viton-FEP-encapsulated, EPDM, Silicone, Buna) Size, type and position according to customer specification
Vent:	2 x G 1/4" internal thread
Drain:	1/2" internal thread
Filter bag:	See table
Installations:	Stainless steel 1.4571
Differential pressure:	max. 3.5 bar
Pressure:	max. 10 bar
Temperature:	max. 95°C
Flow Rate:	With PP-Filter bags max. 70°C relating to bag material The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter bag.

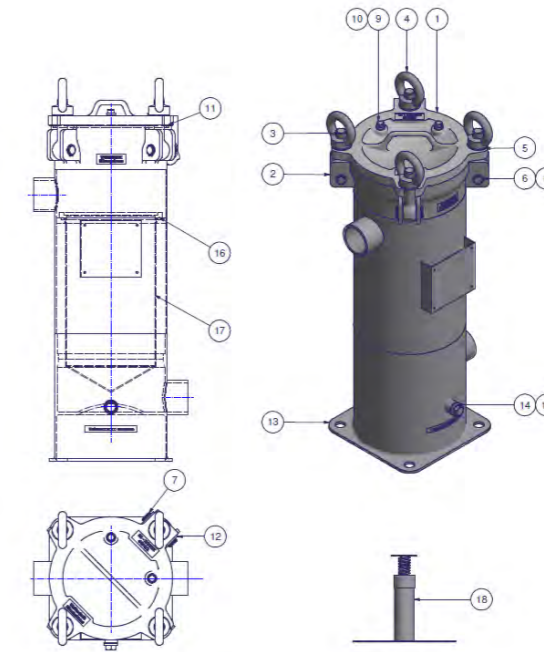
Applications

- Fine filters for cooling water
- Particle filter for cleaning baths
- Pre-filters for reverse osmosis plants
- Protection filters for pumps
- Pre-filters for drinking water treatment
- Post-filters for activated carbon filters and ion exchangers
- Suspended particle filters for well water
- Process-filters for paints, varnishes and solvents
- Coarse filters for delivery per refuelling vehicle

Features and Benefits

- Bag filter housing made from stainless steel with casted, hinged cover and socket
- Horizontal outlet for complete draining
- Space-saving, low design because of compact socket
- Two sizes with 0.25m² and 0.5m² filter surface area
- Position, type and size of the inlet and outlet connections are variable
- Basket made of stainless steel mesh
- Spring-supported press-on device made of stainless steel
- Options for all sizes a volume reducer and a magnet insert
- Can be offered with stainless steel strainer baskets or with our patented LUPUS-System

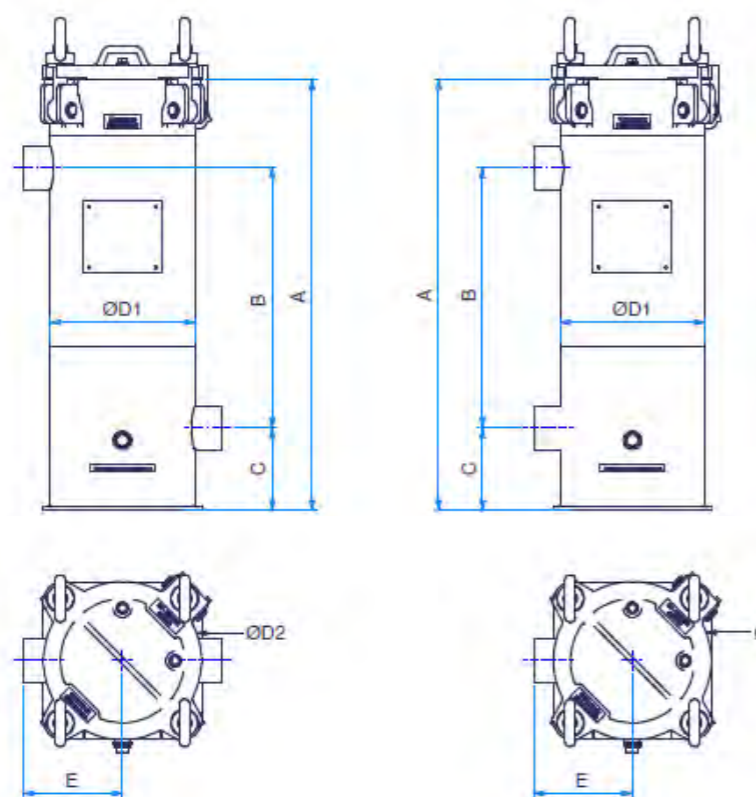
Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.
1	Cover	Stainless steel 1.4404	d219x3-Deckel-TG	007427
2	Flange	Stainless steel 1.4404	d219x3-Flansch-TG	007428
3	Swinging bolt	C15, C-steel, zinc plated	d219x3-Augenschraube-C	007732
4	Ring nut	C15, C-steel, zinc plated	d219x3-Ringmutter-C	007733
5	Washer	Stainless steel V2A	d219x3-U-Scheibe-L	007432
6	Bolt, short	1.4404	d219x3-Bolzen-kurz-TG	007433
7	Bolt, long	1.4404	d219x3-Bolzen-lang-TG	007434
8	Retaining ring	C15, C-steel, zinc plated	d219x3-Sicherungsring-LG	007429
9	Hex.-plug	1.4571	3WT-ESTOP-1/4-T	007151
10	Gasket	PTFE	3WT-DIPTFE-ENTL	000364
11	O-Ring for housing	Viton	WTBF40-ORVIT-GEH	001082
		Viton-FEP-encapsulated	WTBF40-ORFEP-GEH	002252
		EPDM	WTBF40-OREPDM-GEH	005672
		Buna	WTBF40-ORBUN-GEH	001154
		Silicone	WTBF40-ORSIL-GEH	003856
12	Washer	A C15, C-steel, zinc plated 2	d219x3-U-Scheibe-L	007478
13	Rod	Stainless steel 1.4404	d219x5-Sockel-TG	009002
14	Drain plug 1/2"	1.4571	3WT-ASTOP-1/2-T	007154
15	Gasket	PTFE	3WT-DIPTFE-ABL	000363
16	O-ring for basket	Viton	WTBF40-ORVIT-KRB	001075
		Viton-FEP-encapsulated	WTBF40-ORFEP-KRB	002253
		EPDM	WTBF40-OREPDM-KRB	005673
		Buna	WTBF40-ORBUN-KRB	001145
		Silicone	WTBF40-ORSIL-KRB	003857
17	Basket	Stainless steel 1.4404	WTBF40-KORB-GEWE	001346
			WTBF85-KORB-GEWE	001345
18	Press-on-device	Stainless steel 1.4404	WTBF40-Andrückvorrichtung-TG	007725

Dimensions



Dimensions

	A	B	C	Ø D1	Ø D2	E*
WTBF40-GDS	655	395	125	219	240	150
WTBF85-GDS	985	725	125	219	240	150

Filter Bags

Bag Filter Housing	WTBF40-GDS	WTBF85-GDS
Filter surface area	0.25 m ²	0.5 m ²
Volume housing [l]	20	30
Filter bag	size 1	size 2
Ø Bag [mm]	180	180
Length bag [mm]	419	813
Volume bag [l]	8	17
Volume reducer	+	+
Magnet insert	+	+
Material:	PO: Polypropylene 1 – 300 µm PE: Polyester 1 – 200 µm NMO: Nylon 25 – 1200 µm	

Order example

WTBF	85	-	R	2	-	SU	-	T	T	V	-	GDS
1	2		3	4		5		6	7	8		9

Order information

Pos	Bezeichnung	
1	WTBF	Wolftechnik bag filter housing
2	40	Size for P1P bags
	85	Size for P2P bags
3	R	Internal pipe thread
	F	Flange
	M	Srewed connection DIN11851
	TC	TriClamp
	C	Camloc coupling
4	1 ---	1"
	1½	1½"
	2 ---	2"
	--40	DN 40
	--50	DN 50
5	SS	Inlet connection position on side, outlet on side diagonally across
	SD	Inlet connection position on side, outlet on side below it (on one side)
6	T	Housing material stainless steel
7	T	Basket material stainless steel
8	V	O-Ring = Viton
	B	O-Ring = Buna
	E	O-Ring = EPDM
	S	O-Ring = Silicone
	F	O-Ring = Viton-FEP-encapsulated
9	GDS	Socket and hinged cover casted stainless steel, with swinging bolts and ring nuts

Accessories & Mountings

Fittings and accessories for our filter housings made of stainless steel, brass or plastic increase the use and safety for the user and for the operating personnel. We offer useful accessories and options for all filter housings to complete the standard versions.



Accessories

Vents necessary for operation to release the pressure when changing filters, instruments suitable for rest-drainage, pressure controls and gauges when using the filter housings are a typical equipment for pressure vessels, and can be custom made and delivered for specific use.

Bag Filters and Strainer Baskets



WTBF40/85-SB Stainless steel bag filter housing with stud bolt and removable cover

WTBF-40/85-SB stainless steel bag filter housings with stud bolt and removable cover are manufactured in two sizes. The two assembly sizes range from 0.25 m² filter surface in the small version WTBF40 SB up to 0.5 m² filter surface in the large version WTBF85 SB. There is a pressure basket within the housing made of stainless steel mesh and a spring-supported press-on device to retain and seal the filter bags. An important characteristic of the WTBF SB bag filter housings is that the length, type and size of the inlet and outlet connections are variable and are only manufactured on request of the client. As accessories for all versions a tripod as well as a volume reducer can also be delivered.

WTBF40/85-SB Stainless steel bag filter housing with stud bolt and removable cover

Technical data

Material:	Housing:	Stainless steel 1.4571
	Basket:	Stainless steel 1.4401
	O-Ring:	Viton, Viton FEP-encapsulated
In-/Outlet:	Size, type and location according to customer specification	
Vent:	¼" internal thread	
Drainage:	1" external thread (non-applicable for version "SU")	
Filter bag:	See table	
Installations:	Stainless steel 1.4571	
Differential pressure:	Max. 3.5 bar	
Pressure:	Max. 10 bar	
Temperature:	Max. 95°C (sterilisation 150°C) with PP Filter bag max. 70°C due to filter bag material	
Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter element.	

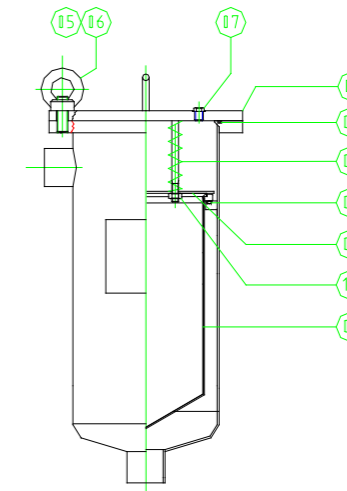
Applications

- Fine filters for cooling circuits
- Particle filters for cleaning baths
- Pre-filters for reverse osmosis plant
- Protection filters for pumps
- Pre-filters for recycling drinking water
- Post-filters for activated carbon filters and ion exchangers
- Suspended particle filters for well water
- Process filters for paints, varnishes and solvents
- Coarse filters for delivery per refuelling vehicle

Features and Benefits

- Bag filter housings made of stainless steel with stud bolt removable cover
- Two assembly sizes with 0.25 m² and 0.5 m² filter area
- Location, type and size of in- and outlet according to customer specification
- Pressure basket made of stainless steel mesh
- Spring-assisted press-on device made of stainless steel
- Can be delivered with tripod or volume reducer

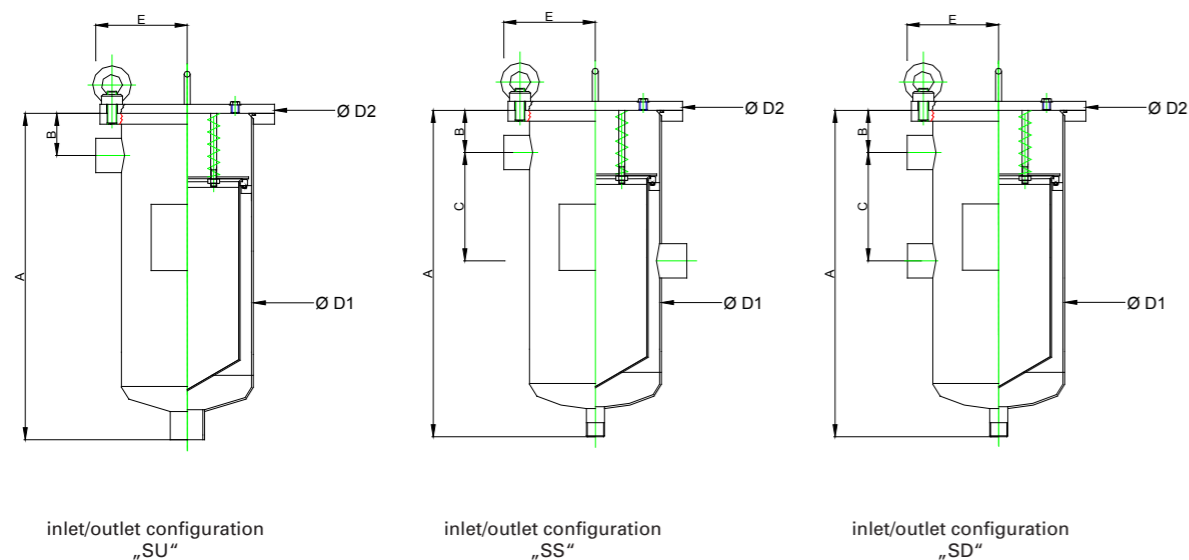
Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.
1	Cover	1.4571	WTBF40/85-Deckel-SB	999993
2	O-ring for housing	Viton	WTBF40-ORVIT-GEH	001082
		EPDM	WTBF40-OREPDM-GEH	005672
		Silicone	WTBF40-ORSIL-GEH	003856
		Buna	WTBF40-ORBUN-GEH	001154
		FEP-encapsulated	WTBF40-ORFEP-GEH	002252
3	O-ring for basket	PTFE	WTBF40-ORPTFE-GEH	001297
		Viton	WTBF40-ORVIT-KRB	001075
		EPDM	WTBF40-OREPDM-KRB	005673
		Silicone	WTBF40-ORSIL-KRB	003857
		Buna	WTBF40-ORBUN-KRB	001145
4	Supporting basket WTBF40	FEP-encapsulated	WTBF40-ORFEP-KRB	002253
		PTFE	WTBF40-ORPTFE-KRB	001298
		1.4401	WTBF40-KORB-GEWE	001346
			WTBF85-KORB-GEWE	001345
5	Ring nut M16	C15	WTBF40-Ringmutter	999997
6	Washer d17	A2	WTBF40-U-Scheibe	999997
7	Plug ¼"	1.4571	3WT-ESTOP-¼-T	007151
8	Press-on spring	1.4571	WTBF40-Andrückfeder	999993
9	Press-on plate	1.4571	WTBF40-Andrückplatte	999993
10	Counter nut	1.4571	WTBF40-Kontermutter	999997

Dimensions



Dimensions

	A	B	C	Ø D1	Ø D2	E
WTBF40-SB	560	70	219	219	290	150
WTBF85-SB	870	70	219	219	290	150

Filter Bags

Filter housings	WTBF40-SB	WTBF85-SB
Filter area	0.25 m ²	0.5 m ²
Bag filters	Size 1	Size 2
Ø bag (mm)	180	180
Length (mm)	419	813
Volume (l)	18	28
Volume reducer	+	+
Tripod	+	+
Material	PO: 1 – 300 µm PE: 1 – 200 µm NMO: Nylon 25-1200µm	

Order example

WTBF	40	-	R	2	-	SU	-	T	T	V	-	SB
1	2		3	4		5		6	7	8		9

Order information

Pos	Designation	
1	WTBF	Wolftechnik bag filter housings
2	40	Size for P1P bags
	85	Size for P2P bags
3	R	Internal pipe thread
	F	Flange
	M	Screwed connection DIN 11851
	TC	TriClamp
	C	Camloc coupling
4	1---	1"
	1 ½	1 ½ "
	2---	2"
	--40	DN 40
	--50	DN 50
5	SU	Inlet connection position on side, outlet in floor
	SS	Inlet connection position on side, outlet on side diagonally across
	SD	Inlet connection position on side, outlet on side below it (on one side)
6	T	Housing material = stainless steel
7	T	Basket material = stainless steel
8	V	O-Ring = Viton
	B	O-Ring = Buna
	E	O-Ring = EPDM
	S	O-Ring = Silicone
	F	O-Ring = Viton FEP-encapsulated
9	SB	Removable cover with stud bolts and ring nuts

Accessories & Mountings

Fittings and accessories for our filter housings made of stainless steel, brass or plastic increase the use and safety for the user and for the operating personnel. We offer useful accessories and options for all filter housings to complete the standard versions.



Accessories

Vents necessary for operation to release the pressure when changing filters, instruments suitable for rest-drainage, pressure controls and gauges when using the filter housings are a typical equipment for pressure vessels, and can be custom made and delivered for specific use.



Tripod legs

For installation of bag filter housings

Bag Filters and Strainer Baskets



DWTBF Double Bag Filter Housing

DWTBF Double bag filter housings with manual switch between the two

DWTBF Double bag filter housings are made of stainless steel and are equipped with a manual switch for parallel or single operation. This allows for a filter bag exchange without process interruption, ensuring a constant operation. Depending on the flow rate and medium, different types of connections can be delivered, e.g. flange, screwed pipe connection DIN 11851 or pipe thread. The versions with a central switch-over handle are equipped with 3-way-ball-valves. The versions with butterfly-valves are equipped with a central T-piece for in- and outlet. Three different sizes with filter areas ranging from 2 x 0,1 m², 2 x 0,25 m² and 2 x 0,5 m² are available. Special accessories such as discharge-ball-valves and vent valves, volume reducer and manometers can also be supplied. Additional optional instruments available for monitoring are different pressure gauges and pressure detectors.

Technical data

Material:	Housing: stainless steel 1.4404/1.4571
	Basket: stainless steel 1.4401
	O-Ring: Viton (Viton-FEP-encapsulated, EPDM, Silicone, Buna)
Inlet / Outlet:	Size, type and position according to customer specification
Vent:	2 x G 1/4" internal thread
Drain:	R 1" external thread (except for version „SU“)
Filter bag:	See table
Installations:	Stainless steel 1.4571
Differential pressure:	max. 3.5 bar
Pressure:	max. 10bar
Temperature:	max. 95 °C (sterilisation 150 °C)
	With PP-Filter bags max. 70 °C, relating to bag material
Flow Rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter bag.

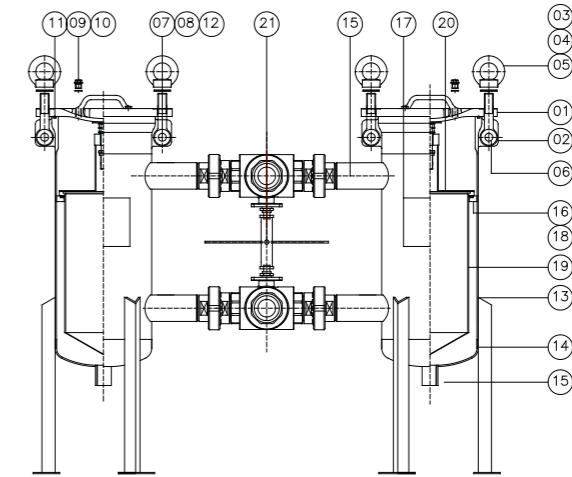
Applications

- Fine filters for cooling circuits
- Particle filters for cleaning baths
- Pre-filters for reverse osmosis plant
- Protection filters for pumps
- Pre-filters for drinking water treatment
- Post-filters for activated carbon filters and ion exchangers
- Suspended particle filters for well water
- Process filters for paints, varnishes and solvents
- Coarse filters for delivery per refuelling vehicle

Features and Benefits

- Double-bag filter housing with manual switch between the two
- Parallel operation or individual operation possible
- Bag filter housing made of stainless steel with hinged cover and swinging bolts
- Three assembly sizes with 0,1 m², 0,25 m², 0,5 m² filter area
- Location, type and size of in- and outlet according to customer specification
- Pressure basket made of stainless steel mesh
- Spring-assisted press-on device made of stainless steel
- Can be delivered with tripod or volume reducer

Spare parts



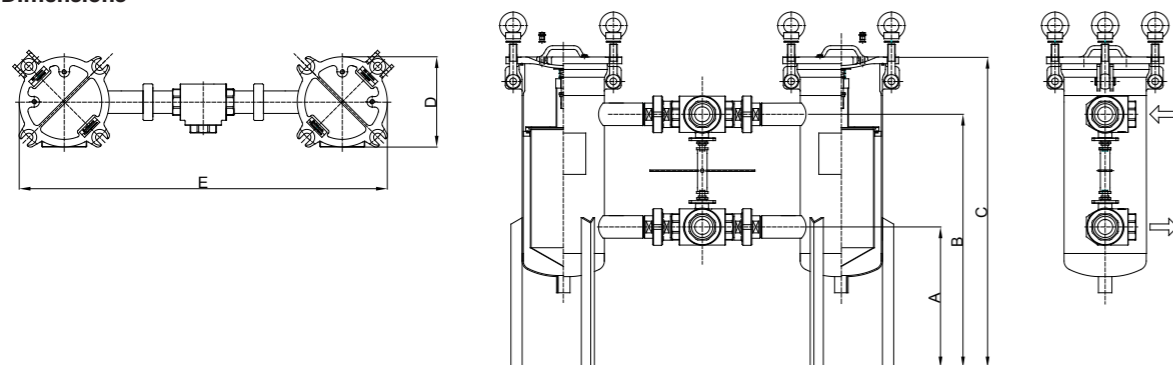
Spare parts

Pos.	Description	Material	Order Designation	Order No
1	Cover	Stainless steel 1.4404	d129x2-Deckel-TG	007459
			d219x3-Deckel-TG	007427
2	Flange	Stainless steel 1.4404	d129x2-Flansch-TG	007461
			d219x3-Flansch-TG	007428
3	Swinging bolt	C15, C-steel	d129x2-Augenschraube-C	007723
			d219x3-Augenschraube-C	007732
4	Ring nut	C15, C-steel	d129x3-Ringmutter-C	007729
			d219x3-Ringmutter-C	007733
5	Washer	C-steel	d129x2-U-Scheibe-C	007717
			d219x3-U-Scheibe-C	007432
6	Bolt, short	Stainless steel 1.4404	d129x2-Bolzen-kurz-TG	007479
			d219x3-Bolzen-kurz-TG	007433
7	Bolt, long	Stainless steel 1.4404	d129x2-Bolzen-lang-TG	007480
			d219x3-Bolzen-lang-TG	007434
8	Retaining ring	A2	d129x2-Sicherungsring-LG	007716
			d219x3-Sicherungsring-LG	007429
9	Plug	Stainless steel 1.4571	3WT-ESTOP-1/4-T	007151
10	Gasket	PTFE	3WT-DIPTFE-ENTL	000364
11	O-Ring for Housing	Viton	WTBF35-ORVIT-GEH	004402
			WTBF40-ORVIT-GEH	001082
		Viton-FEP-encapsulated	WTBF35-ORFEP-GEH	003940
			WTBF40-ORFEP-GEH	002252
		EPDM	WTBF35-OREPDM-GEH	002299
			WTBF40-OREPDM-GEH	005672
		Buna	WTBF35-ORBUN-GEH	999996
			WTBF40-ORBUN-GEH	001154
		Silicone	WTBF35-ORSIL-GEH	999996
			WTBF40-ORSIL-GEH	003856
12	Washer	C-steel	d129x2-U-Scheibe-C	007717
			d219x3-U-Scheibe-C	007478
13	Shell	Stainless steel 1.4571	---	---
14	Dished bottom	Stainless steel 1.4571	---	---
15	Inlet / outlet	Stainless steel 1.4571	---	---
16	Ring	Stainless steel 1.4571	---	---
17	Name plate holder	Stainless steel 1.4571	---	---

Spare parts

Pos.	Description	Material	Order Designation	Order No.	
18	O-Ring for basket	Viton	AVPP-ORVIT-ST	000143	
			WTBF40-ORVIT-KRB	001075	
			AVPP-ORFEP-ST	004401	
		Viton-FEP-encapsulated	WTBF40-ORFEP-KRB	002253	
			EPDM	AVPP-OREPR-ST	001184
				WTBF40-OREPDM-KRB	005673
		Buna	AVPP-ORBUN-ST	000142	
			WTBF40-ORBUN-KRB	001145	
			Silikon	AVPP-ORSIL-ST	004241
19	Basket	Stainless steel 1.4401	WTBF40-ORSIL-KRB	003857	
			WTBF35-KORB-GEWE	004695	
			WTBF40-KORB-GEWE	001346	
20	Press-on-device	Stainless steel 1.4571	WTBF85-KORB-GEWE	001345	
			WTBF35-Andrückvorrichtung-TG	007724	
			WTBF40-Andrückvorrichtung-TG	007725	
21	Switch	1.4571	According to customers specification	999997	

Dimensions



Dimensions

	Filter area	A	B	C	D	E
DWTBF35	2 x 0,10 m ²	355	655	785	160	715
DWTBF40	2 x 0,25 m ²	375	675	825	240	980
DWTBF85	2 x 0,50 m ²	600	1000	1155	240	980

The height informations depend on the connection size and length of the legs

Filter Bags

Bag Filter Housing	DWTBF35	DWTBF40	DWTBF85
Filter surface	0.1 m ²	0.25 m ²	0.5 m ²
Filter bag	Size 4	Size 1	Size 2
Ø Bag [mm]	100	180	180
Length [mm]	381	432	813
Volume bag [l]	2,5	8	17
Volume reducer	+	+	+
Material:	PO: Polypropylene 1 – 300 µm		
	PE: 1-200 µm		
	NMO: 25-1200 µm		

Order example

DWTBF	40	-	R	2	-	-	T	T	V	-	GD
1	2		3	4			5	6	7		8

Order information

Pos	Designation
1	DWTBF Wolftechnik- Double bag filter housing
2	35 Size for P4P bags
	40 Size for P1P bags
	85 Size for P2P bags
3	R Internal pipe thread
	F Flange
	M Screwed connection DIN11851
	TC TriClamp
	C Camloc coupling
4	4 1--- 1"
	1 ½ 1 ½"
	2--- 2"
	--40 DN 40
--50 DN50	
5	T Housing material stainless steel
6	T Basket material stainless steel
7	V O-Ring = Viton
	B O-Ring = Buna
	E O-Ring = EPDM
	S O-Ring = Silicone
	F O-Ring = Viton-FEP-encapsulated
8	GD Casted hinged cover and swinging bolts with ring nuts (Standard)
	SB Removable cover with stud bolts and ring nuts
	SK Removable cover with v-clamp

Accessories & Mountings

Fittings and accessories for our filter housings made of stainless steel, brass or plastic increase the use and safety for the user and for the operating personnel. We offer useful accessories and options for all filter housings to complete the standard versions.



Accessories

Vents necessary for operation to release the pressure when changing filters, instruments suitable for rest-drainage, pressure controls and gauges when using the filter housings are a typical equipment for pressure vessels, and can be custom made and delivered for specific use.



Tripod legs

For installation of bag filter housings

Bag Filters and Strainer Baskets



4WTBF 4-part Bag Filter Housing with hinged cover and encased spring assembly

4WTBF 4-part Bag Filter housings made from stainless steel are supplied with a hinged cover and an encased spring assembly. The spring assembly is adjusted that way that the hinged cover can be opened and closed easily. For filter exchange or maintenance and inspection the cover can be fixed additionally in its stop position. The intermediate plate for the wire-mesh supporting baskets and the sealing-crosses for four filter bags is located inside of the filter housing. The bag-adaption of the 4WTBF-Bag Filter Housings Type „W“ is constructed that way, that WFB-Filter bags as well as non-company filter bags with higher collar rings can be installed. Mesh lined strainer baskets, LUPUS®II-elements or magnet inserts are additional installation options for 4WTBF-Bag Filter Housings Type „W“. The connections for inlet and outlet can be delivered in different nominal sizes and terminations and the location of the nozzles can be adjusted according to the on-site needs. Accessories like drain valves, vents, volume reducers and Pressure gauges can be supplied..

4WTBF 4-part Bag Filter Housing

Technical Data

Material:	Housing: stainless steel 1.4301 (AISI304)
	Basket: stainless steel 1.4401 (AISI316)
	O-Rings: Viton (Viton-FEP-encapsulated, EPDM, Silicone, Buna)
In- / Outlet:	DN100. (size, location and termination adjustable to on-site needs)
Vent:	2 x ½" internal threads
Drain:	1" internal thread
Filter bags:	4 x size 2, 180 x 813mm
Installations:	stainless steel 1.4301 (AISI304)
Differential pressure:	max. 3.5 bar
Pressure:	max. 10bar
Temperature:	max. 95°C
	With PP-filter bags max. 70°C, because of bag material
Flow rate:	The flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the chosen filter bags.

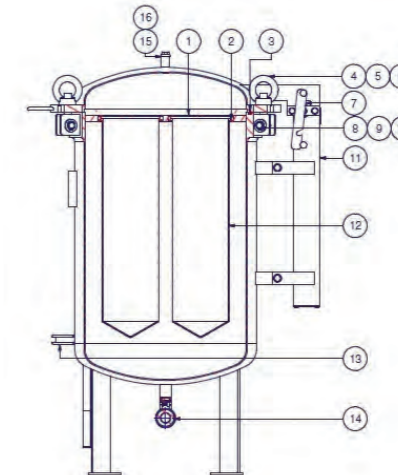
Applications

- Particle filter for cooling circuits
- Particle filter for cleaning baths
- Prefilter for reverse osmosis units
- Protection filters for pumps
- Prefilter for water treatment plants
- Endfilter for activated carbon filters an ion exchangers
- Fine filter for suspended solids in well water
- Process filter for color, paints and solvents
- Coarse filter for delivery per refueling vehicle

Features and Benefits

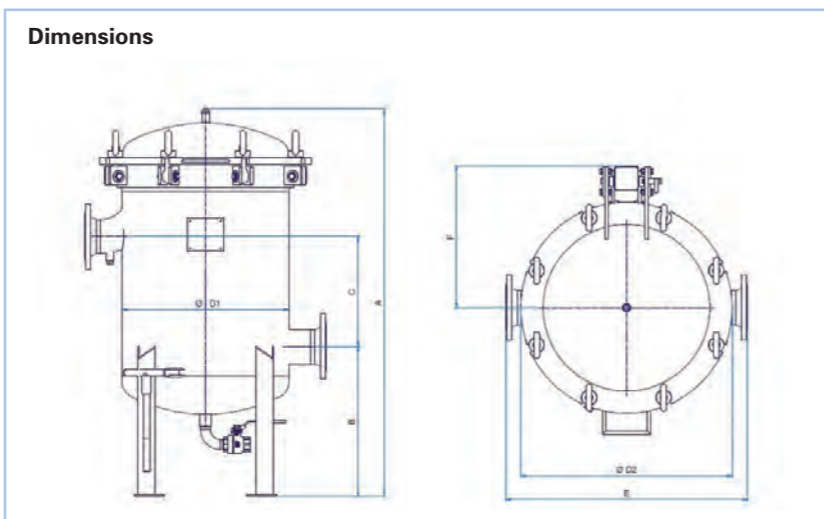
- 4-part Bag Filter Housing for filter bags size 2
- With hinged cover and encased spring assembly
- Hinged cover can be opened and closed easily
- Supporting basket made of wire-mesh (Type „W“)
- bag-adaption for WFB-Filter bags or non company bags
- Installation options are mesh-lined strainer baskets, LUPUS®II-elementes or magnet inserts (Type „W“)
- Nominal size, location and termination of connections adjustable to on-site needs

Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.
1	4WTBF-sealing cross	Stainless steel 1.4301	4WTBF-Abdichtkreuz	999998
2	O-Ring for basket	Viton	WTBF40-ORVIT-KRB	001075
		Viton-FEP-encapsulated	WTBF40-ORFEP-KRB	002253
		EPDM	WTBF40-OREPDM-KRB	005673
		Buna	WTBF40-ORBUN-KRB	001145
		Silicone	WTBF40-ORSIL-KRB	003857
3	O-Ring for housing	Viton	4WTBF-ORVIT-GEH	999996
		Viton-FEP-encapsulated	4WTBF-ORFEP-GEH	999996
		EPDM	4WTBF-OREPDM-GEH	999996
		Buna	4WTBF-ORBUN-GEH	999996
		Silicone	4WTBF-ORSIL-GEH	999996
4	Swiging bolt	C15, C-steel	4WTBF-Augenschraube-C	999997
5	Ring nut	C15, C-steel	4WTBF-Ringmutter-C	999997
6	Washer	C-steel	4WTBF-U-Scheibe-C	999997
7	Sicherungseinheit	Stainless steel 1.4301	4WTBF-Sicherung	999998
8	Bolt	Stainless steel 1.4301	4WTBF-Bolzen-Augenschraube	999998
9	Washer	Stainless steel 1.4301	4WTBF-Scheibe-Bolzen	999998
10	Basket	1.4401	WTBF85-KORB-GEWE	001345
11	Locking ring	A2	4WTBF-Sicherungsring	999998
12	Spring assembly	A2	4WTBF-Federpaket	999998
13	Spanner	Stainless steel 1.4301	4WTBF-Spannhebel	999998
14	2-way valve	A4	Kugelhahn-1Zoll	999997
15	Gasket	PTFE	4WTBF-DIPTFE-Abluss-1/2"	999997
16	Plug 1/2"	1.4571	4WTBF-Stopfen-1/2"	999997



Dimensions

Type	A	B	C	ø D1	ø D2	E	F
4WTBF85-F100	1300	500	370	558,8	709	810	480

Order example

4WTBF	85	-	F	100	-	SS	-	L	T	V	-	KD	-W
1	2		3	4		5		6	7	8		9	10

Order information

Pos	Designation	
1	4WTBF	Wolftechnik 4-part Bag Filter Housing
2	85	For filter bags size 2
3	R	Internal pipe thread
	F	Flange
	M	Screwed connection DIN11851
	TC	TriClamp
	C	Camloc coupling
4	--50	DN50
	- 65	DN65
	- 80	DN80
	-100	DN100
5	SS	Connection position side/side
	SU	Connection position side/floor
	SD	Connection position side/below (same side)
6	L	Housing material stainless steel 1.4301 (AISI304)
	T	Housing material stainless steel 1.4571 (AISI316)
7	T	Supporting basket material stainless steel 1.4401 (AISI316)
8	V	O-Rings Viton
	B	O-Rings Buna
	E	O-Rings EPDM
	S	O-Rings Silikon
	F	O-Rings Viton-FEP-encapsulated
9	KD	Hinged cover with encased spring assembly, swinging bolts and ring nuts (standard)
	SB	Removable cover with stud bolts
10	W	4WTBF-Bag Filter Housing Type „W“

Accessories

Fittings and accessories for our filter housings made of stainless steel, brass or plastic increase the use and safety for the user and for the operating personnel. We offer useful accessories and options for all filter housings to complete the standard versions.



Accessories

Vents necessary for operation to release the pressure when changing filters, instruments suitable for rest-drainage, pressure controls and gauges when using the filter housings are a typical equipment for pressure vessels, and can be custom made and delivered for specific use.

Bag Filters and Strainer Baskets



WTBKF Bag-Cartridge Filter Housing

WTBKF Bag-Cartridge Filter Housing Combo filter for filter bags and filter cartridges

WTBKF Bag-Cartridge Filter Housing made from stainless steel are manufactured in two assembly sizes. The WTBKF85 can either be used with a filter bag size 2 or with 5x30" filter cartridges code 5, the WTBKF40 with a filter bag size 1 or 5x20" filter cartridges code 5. Therefore a stainless steel mesh-wire basket with spring supported press-on-device is placed inside of the housing to accept the filter bags.

When removing the mesh-wire basket, filter cartridges can be pushed into the adapter plate below. WTBKF Bag-Cartridge Filter Housings are provided with the well-proved hinged cover made from casted stainless steel. This offers additional comfort by its easy handling. An other important feature of the WTHKE-Cartridge Filter Housings is the fact, that the position, type and size of the inlet and outlet connections are variable and are only manufactured at time of and according to customer specification.

WTBKF Bag-Cartridge Filter Housings can be supplied with stainless steel strainer baskets or with our special LUPUS®II-system. As accessories for all versions a vent-pressure-gauge-unit, a volume-reducer and a magnetic insert can be delivered. For installation of the WTBKF-Bag-Cartridge Filter Housings a tripod leg, three welded legs or the innovative, space-saving socket can be used.



NEW

Technical Data

Material:	Housing: Stainless Steel 1.4404/1.4571
	Installations: Stainless Steel 1.4404/1.4571
	Basket: Stainless steel 1.4401
	O-rings: Viton (optional Viton-FEP-encapsulated, EPDM, Silicone)
In- / Outlet:	Position, type and size according to customer specification
Vent:	2 x 1/4" internal thread
Drain:	2 x 1/2" internal thread for version „SS“ and „SD“ 1 x 1/2" internal thread for version „SU“
Filter bags:	see table
Filter cartridges:	see table
Pressure:	max. 10bar
Temperature:	max. 95°C
Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter element.

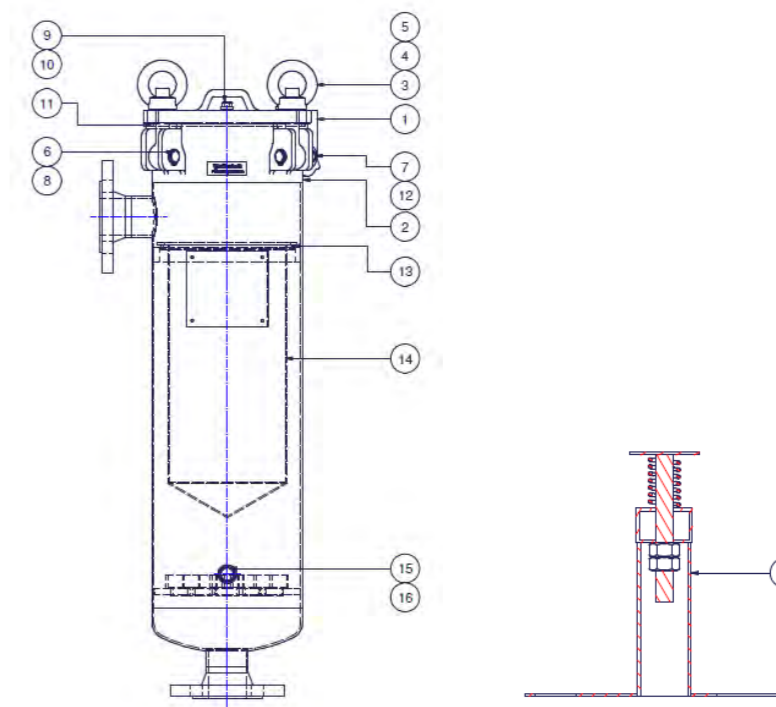
Applications

- Particle filters for cleaning baths
- Process filters for varnishes, paints and adhesives
- End filters for bottling of liquids
- Fine filters for cooling circuits
- Protection filters for pumps
- Pre-filters for reverse osmosis plant
- Pre-filter for drinking water recycling
- Post-filters for activated carbon filters and ion exchangers
- Suspended particle filters for well-water

Features and Benefits

- Combo filter for filter bags and filter cartridges
- WTBKF85 with 0.5 m² with filter bags or 5x30" with filter cartridges
- WTBKF40 with 0.25 m² with filter bags or 5x20" with filter cartridges
- Fits with strainer baskets or our special LUPUS®II-system
- Well-proved, comfortable, hinged cover made from cated stainless steel
- Housing and installations made from 1.4404 / 1.4571
- Position, type and size of the connections according to customer specification
- Welded legs or with innovative, space-saving socket
- Wide range of accessories like vent-pressure-gauge-unit, tripod leg, volume-reducer or magnetic insert

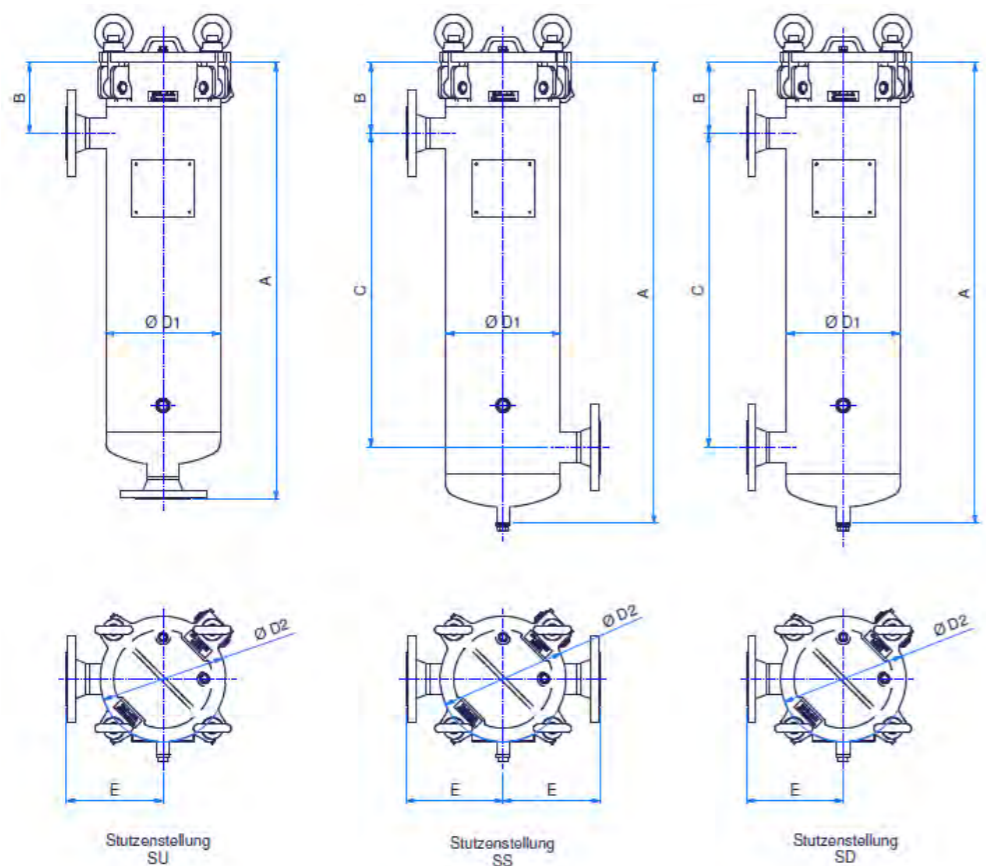
Spare parts



Spare parts

Pos.	Bezeichnung	Material	Bestell-Bezeichnung	Bestell-Nr.
1	WTBKF-cover	1.4404	d219x3-Deckel-TG	007427
2	WTBKF-flange	1.4404	d219x3-Flansch-TG	007428
3	WTBKF-swing bolt	C15, Steel zinc plated	d219x3-Augenschraube-C	007732
4	WTBKF-ring nut	C15, Steel zinc plated	d219x3-Augenschraube-C	007733
5	WTBKF-washer	V2A	d219x3-U-Scheibe-LG	007432
6	WTBKF-bolt, short	1.4404	d219x3-Bolzen-kurz-TG	007433
7	WTBKF-bolt, long	1.4404	d219x3-Bolzen-lang-TG	007434
8	WTBKF-retaining ring	V2A	d219x3-Sicherungsring-LG	007429
9	Plug 1/4"	1.4571	3WT-ESTOP-1/4-T	007151
10	Gasket for plug	PTFE	3WT-DIPTFE-ENTL	000364
11	O-ring for housing	Viton	WTBF40-ORVIT-GEH	001082
		EPDM	WTBF40-OREPDM-GEH	005672
		BUNA	WTBF40-ORBUN-GEH	001154
		Silicone	WTBF40-ORSIL-GEH	003856
12	WTBKF-washer hinge	V2A	d219x3-U-Scheibe-LG	007478
13	O-ring for basket	Viton	WTBKF-ORVIT-KRB	999996
		EPDM	WTBKF-OREPDM-KRB	999996
		BUNA	WTBKF-ORBUN-KRB	999996
		Silicone	WTBKF-ORSIL-KRB	999996
14	Basket	1.4401	WTBF40-KORB-GEWE	999991
			WTBF85-KORB-GEWE	999991
15	Plug 1/2"	1.4571	3WT-ASTOP-1/2-T	007154
16	Gasket for plug	PTFE	3WT-DIPTFE-ABL	000363
17	WTBKF-press-on-device	1.4404	WTBKF-Andrückvorrichtung-TG	999997

Dimensions



Dimensions

Type	A	B	C	Ø D1	Ø D2	E
WTBKF40-GD SU	835	135	---	219	240	185
WTBKF40-GD SS/SD	880	135	600	219	240	185
WTBKF85-GD SU	1115	135	---	219	240	185
WTBKF85-GD SS/SD	1160	135	880	219	240	185

Filter Bags and Filter Cartridges

Filter Housing	WTBKF40	WTBKF85
Volume Housing [l]	20	30
Filter bag	size 1	size 2
Filter surface area	0.25 m ²	0.5 m ²
Filter cartridges	5 x 20"	5 x 30"
Optional accessories		
Vent-pressure-gauge-unit	+	+
Volume reducer	+	+
Magnetic insert	+	+
Tripod leg	+	+
Socket	+	+

Order example

WTBKF	40	-	R	2	-	SU	-	T	T	V	-	GDS
1	2		3	4		5		6	7	8		9

Order information

Pos	Designation
1	WTBKF Wolttechnik Bag-Cartridge Filter Housing
2	40 Size 1 bag / 5 x 20" filter cartridges
	85 Size 2 bag / 5 x 30" filter cartridges
3	R = BSP pipe thread, female
	F = Flange DIN2633
	M = Screwed pipe connection DIN11851
	TC = TriClamp
	C = Camloc-coupling, male
4	1--- 1"
	1½ 1½"
	2--- 2"
	--40 DN 40
	--50 DN 50
5	SU Inlet connection position on side, outlet in floor
	SS Inlet connection position on side, outlet on side diagonally across
	SD Inlet connection position on side, outlet on side below it (on one side)
6	T Housing material = Stainless steel
7	T Basket material = Stainless steel
8	V O-ring = Viton
	B O-ring = Buna
	E O-ring = EPDM
	S O-ring = Silicone
	F O-ring = Viton-FEP-encapsulated
9	GD Casted hinged cover, stainless steel
	Swing bolts and ring nuts
	GDS Casted hinged cover and socket, stainless steel
	Swing bolts and ring nuts



Accessories & Adapters

Vents necessary for operation to release the pressure when changing filters, instruments suitable for rest-drainage, pressure controls and gauges when using the filter housings are a typical equipment for pressure vessels, and can be custom made and delivered for specific use.



Socket

For installation of the WTHKE-Cartridge Filter Housings three welded legs or the innovative, space-saving socket can be used.

Bag Filters and Strainer Baskets



PBH Bag filter housings made of plastic

PBH Bag filter housings are polypropylene constructions manufactured in the injectionmoulding procedure with 1" or 1½" connections. Two overall lengths are available, of which the inserted filter bags exhibit filter surfaces of 0.07 m² and 0.16 m². PBH Bag filter housings are hanging constructions, built into the piping, whereby the in- and outlet are accommodated in the filter head. The lower part can be unscrewed downwards and removed. A supporting basket on the inside made of polypropylene provides the necessary differential pressure stability of the filter bags. PBH Bag filter housings can be equipped with filter bags made of nylon mesh or made of polypropylene felt. Thus the possible filter rations are about 1 µm to 800 µm.

PBH Bag filter housings

Technical data

Material:	Head: Polypropylene, black
	Lower part: Polypropylene, blue
	O-Ring: Buna, Viton, EPDM
In-/Outlet:	1", 1½" internal thread
Filter bag:	BP410, BP420, BN410, BN420
Filter area:	BP410/BN410: 0.07 m ² , BP420/BN420: 0.16 m ²
Pressure:	Max. 7 bar @ 20°C
Temperature:	Max. 40°C @ 3 bar
Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter element.

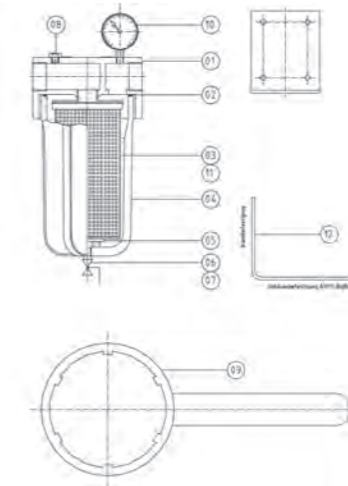
Applications

- Fine filters for well water
- Pre-filters for reverse osmosis plants
- End-filter for ultrapure water plants
- Particle filters for cleaning baths
- Protection filters for spray nozzles and instruments
- Pre-filters for drinking water treatment
- Post-filters for activated carbon filters and ion exchangers
- Coarse filters for acids and lyes

Features and Benefits

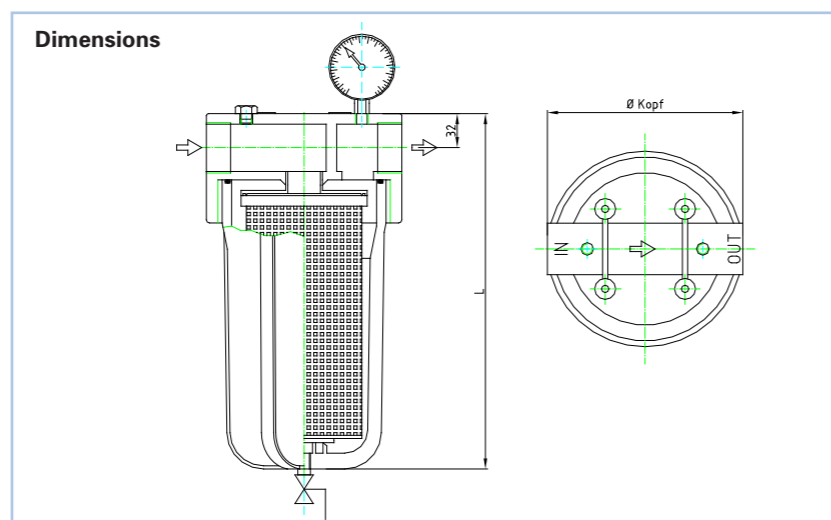
- Bag filter housings made of plastic
- Made entirely of polypropylene
- With polypropylene bags or nylon bags
- Filter area 0.07 m² or 0.16 m²
- Inline alignment of in- and outlet
- Hanging installation of housing
- Easy filter exchange due to removable lower part

Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.
1	Filter head 1"	Polypropylene	PBC-1--BT	003994
	Filter head 1 ½"		PBC-1 ½ BT	003993
2	O-ring for housings	Buna	AVPP-ORBUN-BB	001136
		EPDM	AVPP-OREPR-BB	001358
		Viton	AVPP-ORVIT-BB	004721
3	Basket PBH410	Polypropylene	PBR410BK	003991
	Basket PBH420		PBR420BK	003992
4	Lower part	Polypropylene	AVPP-SUMPF10BB-B-3/8"NPT	000117
			AVPP-SUMPF20BB-B-3/8"NPT	000118
5	Gasket for basket	Buna	PBR-Dichtung-Stützkorb	003558
6	Drain valve 3/8"	PVC	PBH-Ablaßventil-3/8"NPT	002038
7	Drain plug 3/8"	HDPE	PBH-Ablaßstopfen-3/8"NPT	999997
8	Vent plug	PP	PBH-Entlüftungsstopfen-¼"N	999997
9	Ring spanner	PP	AVPP-KEY-BB-SW3	000246
10	Manometer	Ms/Alu	PBH-Manometer	999997
11	Filter bag PBH410	PP-felt	BP-410-xxx (1-200 µm)	Diverse
		Nylon mesh	BN-410-xxx (50-800 µm)	Diverse
		PP-felt	BP-420-xxx (1-200 µm)	Diverse
		Nylon mesh	BN-420-xxx (50-800 µm)	Diverse
12	Mounting bracket	Stainless steel	AVPP-Winkel-BB-VA	008441



Dimensions

Type	In/Out	Length	Ø-Head	Filter area	Filter bag
PBH410-1	1"	333	184	0.07 m ²	BP410, BN410
PBH410-1 ½	1 ½"	346	184	0.07 m ²	BP410, BN410
PBH420-1	1"	594	184	0.16 m ²	BP420, BN420
PBH420-1 ½	1 ½"	606	184	0.16 m ²	BP420, BN420

Filter bags

Type	Material	Filter ration in µm	Ø Bag	Length
BP410	Polypropylene	1, 5, 10, 25,	102 mm	210 mm
BP420		50, 100, 200	102 mm	470 mm
BN410	Nylon mesh	50, 100, 200	102 mm	210 mm
BN420		250, 300, 400, 600, 800	102 mm	470 mm

Order example: housings

PBH	420	-	1 ½	BT
1	2		3	4

Order information: housings

Pos	Designation
1	PBH Polypropylene bag filter housing
2	410 For short filter bags with 0.07 m ²
	420 For long filter bags with 0.16 m ²
3	1 1" Internal thread
	1 ½ 1 ½" Internal thread
4	BT BSPT Pipe thread

Order example: Bags

BP	420	-	100
1	2		3

Order information: Bags

Pos	Designation
1	BP Polypropylene filter bags
	BN Nylon thread filter bags
2	410 For short filter bags with 0.07 m ²
	420 For long filter bags with 0.16 m ²
3	Filter ration
	BP: 1, 5, 10, 25, 50, 100, 200 µm
	BN: 50, 100, 200, 250, 300, 400, 600, 800 µm

Accessories & Mountings

Fittings and accessories for our filter housings made of stainless steel, brass or plastic increase the use and safety for the user and for the operating personnel. We offer useful accessories and options for all filter housings to complete the standard versions.



Accessories

Vents necessary for operation to release the pressure when changing filters, instruments suitable for rest-drainage, pressure controls and gauges when using the filter housings are a typical equipment for pressure vessels, and can be custom made and delivered for specific use.

Mountings

Operating and assembly aids such as ring spanners, volume reducers for the reduction of the housing volume, wall brackets or tripods are useful accessories for the installation and maintenance of the filter housings.

Bag Filters and Strainer Baskets



WTBF PP and PVDF Bag filter housings made of polypropylene

Wolftechnik bag filter housings can be manufactured entirely from plastic. They are available in three flow-rate-graded assembly sizes with filter areas from 0.1 m² and 0.5 m². All medium-contacting parts in the standard version come in polypropylene with Viton O-Rings. Other materials for the housings (e.g. PVDF, PVC or PE) and for the O-Rings are also available. The housings are closed with stud bolts and star grips. Internally the housing is equipped with a press-on device and a pressure basket. The Wolftechnik bag filter housing connections can be delivered with GF screw connection as well as with a loose flange. The size and position of the connections can be adjusted according to customer specifications. Additional double filter housings made of plastic are equipped with three-way-ball-valves. This enables a parallel or single operation of the housings. During large product-charging or for continuous operation it is possible to filtrate using only one housing, during which a filter change can be applied to the other housing. If the filter of the first housing clogs up, it is easy to switch to the second filter without disturbing the filtration process. The double filters can also be equipped with a feed-pump. The feed-pump, together with the double filter, is then attached onto a polypropylene pallet and completely tubed.

WTBF PP and PVDF bag filter housings

Technische Daten

Material:	Housing:	PP
	Basket:	PP
	O-Ring:	Viton
In-/Outlet:	Size, type and position per request	
Vent:	½" internal thread	
Drain:	½" internal thread	
Filter bag:	See table	
Installations:	PP	
Differential pressure:	Max. 2.5 bar	
Pressure:	Max. 5 bar @ 30°C, with cover reinforcement max. 6 bar/ 30°C	
Temperature:	Max. 50°C @ 3 bar, with cover reinforcement max. 60°C @ 3 bar	
Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection and the characteristic curve of the flow rate of the chosen filter bag.	

Applications

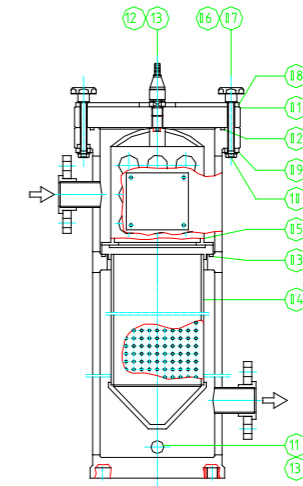
- Fine filters for acids and lyes
- Particle filters for cooling circuits
- Pre-filters for reverse osmosis plants
- Protection filters for pumps and instruments
- Coarse filters for raw material delivery
- Post-filter for filter presses

Features and Benefits

- Made entirely of polypropylene
- Filter area 0.1 m², 0.25 m² and 0.5 m²
- In- and outlet with flange connection or GF screw connection
- Size and location of in- and outlet according to assembly requirements
- Cover reinforcement up to 6 bar @ 30°C or 60°C @ 3 bar

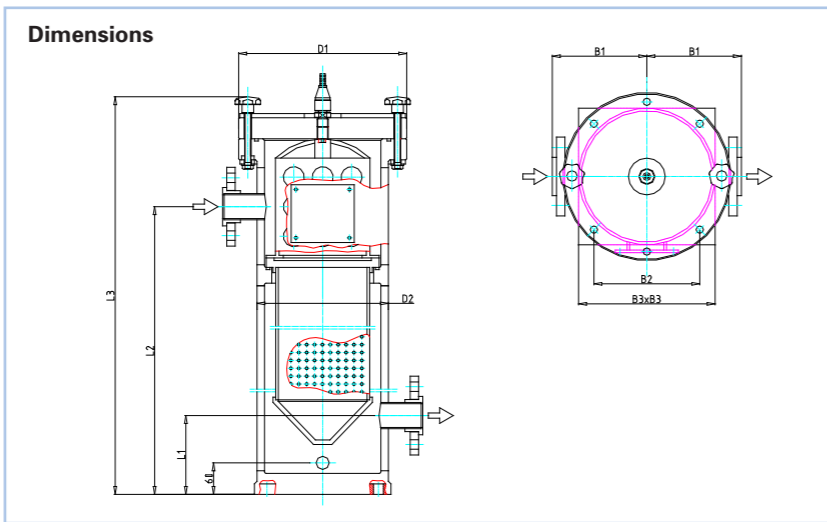


Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.	
1	Cover	PP	WTBF40/85-Deckel-PP	999993	
			WTBF35-Deckel-PP	999993	
2	O-Ring for housing	Viton	WTBF40-ORVIT-GEH-PP	001086	
			WTBF35-ORVIT-GEH-PP	999996	
			WTBF40-OREPDM-GEH-PP	999996	
		EPDM	WTBF35-OREPDM-GEH-PP	999996	
			FEP-encapsulated	WTBF40-ORFEP-GEH-PP	999996
			WTBF35-ORFEP-GEH-PP	013738	
3	O-Ring for Basket	Viton	WTBF40-ORPTFE-GEH-PP	999996	
			WTBF35-ORPTFE-GEH-PP	999996	
			WTBF40-ORVIT-KRB-PP	001083	
		EPDM	WTBF35-ORVIT-KRB-PP	999996	
			WTBF40-OREPDM-KRB-PP	999996	
			WTBF35-OREPDM-KRB-PP	999996	
4	Basket	FEP-encapsulated	WTBF40-ORFEP-KRB-PP	002929	
			WTBF35-ORFEP-KRB-PP	999996	
			WTBF40-ORPTFE-KRB-PP	999996	
		PTFE	WTBF35-ORPTFE-KRB-PP	999996	
			WTBF40-KORB-PP	003435	
			WTBF85-KORB-PP	003434	
5	Press-on device	PP	WTBF35-KORB-PP	008431	
			WTBF40-Andrückvorrichtung	008434	
			WTBF35-Andrückvorrichtung	008432	
6	Star grip nut	Plastic/ A2	WTBF40-Sterngriff	999997	
			WTBF35-Sterngriff	999997	
7	Washer	A2	WTBF40-U-Scheibe	999997	
			WTBF35-U-Scheibe	999997	
8	Reinforcement plate	1.4301	WTBF40-Verstärkungsplatte	004662	
			WTBF35-Verstärkungsplatte	999993	
9	Reinforcement ring	1.4301	WTBF40-Verstärkungsring	004661	
			WTBF35-Verstärkungsring	999993	
10	Bolt	A2	WTBF40-Schraube	999997	
			WTBF35-Schraube	999997	
11	Vent plug ½"	PP	PP-Stopfen-½	004759	
12	Vent valve	PP	PP-Entlüftung-V61	003376	
13	O-ring for drainage	PP	PP-ASTOP-ORVIT	003880	



Dimensions

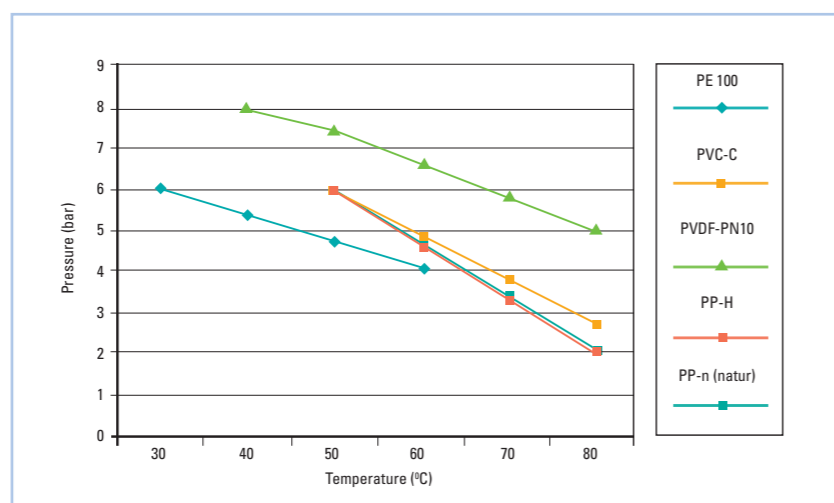
	L1	L2	L3	D1	D2	B1	B2	B3
WTBF35	80	390	540	250	200	340	170	210
WTBF40	150	530	780	320	250	390	220	260
WTBF85	150	850	1080	320	250	390	220	260

Filter Bags

Filter housings	WTBF35	WTBF40	WTBF85
Filter Bags	Size 4	Size 1	Size 2
Filter area	0.1 m ²	0.25 m ²	0.5 m ²
Ø bag (mm)	100	180	180
Length (mm)	381	419	813
Volume (l)	2.5	8	17
Material	PO: 1 – 300 µm PE: 1 – 200 µm EPE: 1 – 200 µm NMO: 40 – 1200 µm		

Pressure and temperature

The mechanical strength of the plastics changes depending on the temperature. The accompanying pressure/temperature diagram supplied assists as a guideline for the materials PE, PVC, PVDF, PP and PP-natural. Please note that the indicated values are the values for the semi-finished products only. The maximum operating pressure as well as the maximum operating temperature with the associated operating pressure of our filter housings can be taken from the technical data.



Order example

WTBF	40	-	F	--50	-	SU	-	P	P	V	-	V
1	2		3	4		5		6	7	8		9

Order information

Pos	Designation
1	WTBF Wolftechnik double-bag filter housings
2	35 Size for P4P bags
	40 Size for P1P bags
	85 Size for P2P bags
3	F Flange
	E GF screw connection, external thread
4	--25 Nominal diameter 25 mm
	--40 Nominal diameter 40 mm
	--50 Nominal diameter 50 mm
	--65 Nominal diameter 65 mm
	--80 Nominal diameter 80 mm
	-100 Nominal diameter 100 mm
5	SU Inlet connection position on side, outlet in floor
	SS Inlet connection position on side, outlet on side diagonally across
	SD Inlet connection position on side, outlet on side below it (on one side)
6	P Housing material = Polypropylene
	C Housing material = PVC
	D Housing material = PVDF
7	P Basket material = Polypropylene
	C Basket material = PVC
	D Basket material = PVDF
8	V O-Ring = Viton (standard)
	B O-Ring = Buna
	E O-Ring = EPDM
	S O-Ring = Silicone
9	V Cover reinforcement made of stainless steel 1.4301

Bag Filters and Strainer Baskets



Filter bags, nominal with PP collar ring seal or stainless steel ring

WFB Filter bags with PP collar ring or welded stainless steel rings are manufactured in four different sizes. The available filter materials: polypropylene felt, polyester felt or nylon mesh enable the selection of a filter bag suitable in regard to temperature and chemical resistance. All seams of the WFB filter bags made of polypropylene and polyester are 100% ultrasonic welded. The seams of the filter bags made of nylon mesh are bordered with a nylon band and sewn with nylon yarn, however in the version containing a PP collar ring seal they are also ultrasonically welded along the collar ring. The filter surfaces of the WFB filter bags are 0.05 m² for size 3, 0.1 m² for size 4, 0.25 m² for size 1 and 0.5 m² for size 2.

WFB filter bags, nominal

Applications

- Process filters for varnishes and paints
- Pre-filters for water recycling plants
- Fine filters for chocolate, syrup, gelatine
- Coarse filters for raw material delivery
- Protection filters for spray nozzles
- End-filters for bottling into containers
- Suction filters for pumps
- Strainer for waste water

Features and Benefits

- Collar ring seal made of polypropylene, polyester or stainless steel
- 100% ultrasonic welded seams in PP- and polyester bags
- Manufactured 100% from FDA-conform and silicone-free materials
- Four sizes with two different diameters
- Filter area 0.05 m² to 0.5 m²
- High flow rate, low differential pressure
- High dirt hold capacity
- Food Contact Declaration
- RoHS-Declaration
- REACH-Declaration

Filter bag sizes



Technical data

Bag filters	Size 1	Size 2	Size 3	Size 4
Filter area	0.25 m ²	0.5 m ²	0.05 m ²	0.1 m ²
Filter housings	WTBF40	WTBF85	WTBF20	WTBF35
Ø bag (mm)	180 (7")	180 (7")	100 (4")	100 (4")
Length (mm)	432 (17")	813 (32")	229 (9")	381 (15")
Volume (l)	8	17	1.4	2.5
Filter medium possible micron ratings	PO: Polypropylene felt of 1-300 µm PE: Polyester felt of 1-200 µm			
Collar ring seal:	NMO: Nylon mesh of 25-1200 µm P: Polypropylene collar ring seal PE: Polyester collar ring seal			
Differential pressure:	L: V2A stainless steel ring			
Temperature:	Max. 3 bar at 20°C All bags made of PP or with PP collar ring seal max. 75°C Polyester and Nylon bags with metal ring max. 100°C			
Recommended flow rate*:	max. 10 m ³ /h	max. 20 m ³ /h	max. 3 m ³ /h	max. 5 m ³ /h

* Recommended flow rate in reference to water and filter ration <100 µm as well as a nominal housing diameter 2" (DN50) for bag sizes 1 and 2, and/or 1" (DN25) for bag sizes 3 and 4. For a filter ration >100 µm the flow rate correlates to the nominal diameter of the housing connection.

Order information

WFB	1	-	0010	PO	-	P
WFB Filter bags	Size		Filter ration in µm	Filtermaterial		Collar ring seal
	1: 0.25 m ²		1, 5, 10, 25,	PO: Polypropylene		P: PP-collar ring
	2: 0.5 m ²		50, 100, 150,			PE: Polyester-collar ring
	3: 0.05 m ²		200, 300			L: AISI304 stainless steel ring
	4: 0.1 m ²		1, 5, 10, 25,	PE: Polyester		Z: Pull band
			50, 100, 150, 200			
			25, 40, 50, 75, 100, 125,	NMO: Nylon mesh		
			150, 175, 200, 250,			
		300, 350, 400, 500,				
		600, 800, 1000, 1200				

WFB-2IP Filter bag, pleated

Double-layer filter bag with internal pleats

WFB-2IP Filter bags are supplied with a double-layer filter media made from polypropylene felt or Polyester felt. WFB-2IP Filter bags are manufactured exclusively in size 1 and in size 2, with its internal pleats, show a filter surface area of 0,5 m² and 1,0 m². The double filter surface area compared to common filter bags! All components are care-fully processed, the filter media is ultrasonic-welded at the collar ring seal and at the bottom. For safe sealing the WFB-2IP Filter bags come with our new improved collar seal ring with additional, soft sealing lip on the top and with the unchanged, proven sealing towards the restrainer basket on the bottom.

Like all our filter bags they own all important certificates for the contact with food, for industrial applications like paint and coatings or parts-cleaning-plants.

WFB-2IP Filter bags with single-layer pleats are designed to extend the filter life time and improve the filtrate quality compared to common filter bags.

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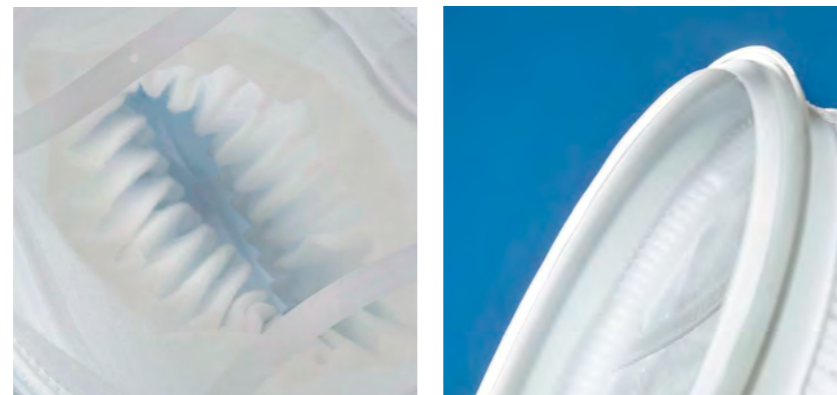
WFB-2IP Filter bag, pleated

Applications

- Prefilter for drinking water and water treatment plants
- Clarification of soft-drinks, fruit juices and food
- Circuit filter for rinse water and washing water
- Coarse filter for raw material delivery
- Protection filter for nozzles
- Process filter for chemicals, paints and coatings
- End filter for bottling into containers

Features and Benefits

- Double-layer filter media
- Internal pleated
- 0,5m² and 1.0m² filter surface area
- Double filter surface area
- Exclusively in size 1 and size 2
- Longer filter life time
- Polypropylene-felt with polypropylene-collar ring seal
- Polyester-felt with Polyester-collar ring seal
- Collar ring seal and bottom ultrasonic-welded
- Food Contact Declaration
- ROHS-Declaration
- REACH-Declaration



Technical data

Filter bag	Size 1	Size 2
Filter media:	PO-felt: Polypropylene PE-felt: Polyester	PO-felt: Polypropylene PE-felt: Polyester
Collar ring seal:	P: Polypropylene PE: Polyester L: stainless steel AISI304	P: Polypropylene PE: Polyester L: stainless steel AISI304
Volume:	8l	17l
Filter ration:	1 - 100 µm	1 - 100 µm
Filter surface area:	0,5 m ²	1,0 m ²
Temperature:	PO: max. 75°C PE: max. 100°C	PO: max. 75°C PE: max. 100°C
Differential pressure:	max. 3 bar @ 20°C Filter exchange recommended @ 1,5 bar	max. 3 bar @ 20°C Filter exchange recommended @ 1,5 bar
Dimensions:	Ø180mm x 432mm	Ø180mm x 813mm
Flow rate:	max. 10m ³ /h referring to water	max. 20m ³ /h referring to water

Order information

WFB-2IP	-2	-010	-PO	-P
WFB-2IP Filter bag, pleated	Size	Filter ration in µm	Filter material	Collar ring seal
	1:	001: 1 µm	PO: Polypropylene	P: Polypropylen
	ø 180 mm	005: 5 µm	PE: Polyester	PE: Polyester
	x 432 mm	010: 10 µm		L: stainless steel AISI304
	2:	025: 25 µm		
	ø 180 mm	050: 50 µm		
x 813 mm	100: 100 µm			

WFB-1AP Filterbeutel, gefaltet



Single-layer pleated filter bag with NMO net support

WFB-1AP Filter bags are supplied with a single-layer, pleated filter media made from polypropylene felt or Polyester felt. They are covered outside by a 300 micron NMO net support made from Nylonmonofilament.

WFB-1AP Filter bags are manufactured exclusively in size 1 and size 2 and, with their high pleats, show a filter surface area of 1.2 m², 2.5-times the filter surface area compared to common filter bags!

All components are carefully processed, the filter media is ultrasonic-welded at the collar ring seal and at the bottom. For safe sealing the WFB-1AP Filter bags come with our new improved collar seal ring with additional, soft sealing lip on the top and with the unchanged, proven sealing towards the restrainer basket on the bottom.

Like all our filter bags they own all important certificates for the contact with food, for industrial applications like paint and coatings or parts-cleaning-plants.

WFB-1AP Filter bags with single-layer pleats are designed to extend the filter life time and improve the filtrate quality compared to common filter bags.

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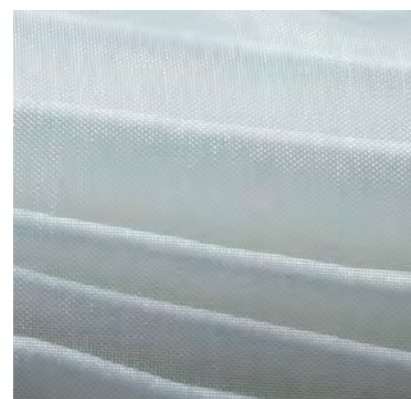
WFB-1AP Filter bag, pleated

Applications

- Prefilter for drinking water and water treatment plants
- Clarification of soft-drinks, fruit juices and food
- Circuit filter for rinse water and washing water
- Coarse filter for raw material delivery
- Protection filter for nozzles
- Process filter for chemicals, paints and coatings
- End filter for bottling into containers

Features and Benefits

- Single-layer pleated filter media
- NMO net support 300 micron outside
- 1.2 m² filter surface area
- 2.5-times more filter surface area
- Exclusively in size 1 and size 2
- Longer filter life time
- Polypropylene-felt with polypropylene-collar ring seal
- Polyester-felt with Polyester-collar ring seal
- Collar ring seal and bottom ultrasonic-welded
- Food Contact Declaration
- ROHS-Declaration
- REACH-Declaration



Technical data

Filter bag	Size1	Size 2
Filter media:	PO-Vlies: Polypropylene PE-Vlies: Polyester	PO-Vlies: Polypropylene PE-Vlies: Polyester
Collar ring seal:	P: Polypropylene PE: Polyester L: stainless steel AISI304	P: Polypropylene PE: Polyester L: stainless steel AISI304
Net support	NMO: Nylon-monofilament, 300 micron	NMO: Nylon-monofilament, 300 micron
Volume:	8l	17l
Filter ration:	1 - 100 µm	1 - 100 µm
Filter surface	0.6 m ²	1.2 m ²
Temperature:	PO: max. 75°C PE: max. 100°C	PO: max. 75°C PE: max. 100°C
Differential pressure:	max. 3 bar @ 20°C Filter exchange recommended @ 1,5 bar	max. 3 bar @ 20°C Filter exchange recommended @ 1,5 bar
Dimensions:	Ø 180 mm x 432 mm	Ø 180 mm x 813 mm
Flow rate:	max. 10m ³ /h referring to water	max. 20m ³ /h referring to water

Order information

WFB-1AP	-2	-	-010	-PO	-	-P
	Size		Filter ration in µm	Filter material		Collar ring seal
WFB-1AP Filter bag, pleated	1:		001: 1 µm	PO: Polypropylene		P: Polypropylene
	ø 180 mm		005: 5 µm	PE: Polyester		PE: Polyester
	x 432mm		010: 10 µm			L: stainless steel AISI304
	2:		025: 25 µm			
	ø 180 mm		050: 50 µm			
	x 813 mm		100: 100 µm			

Bag Filters and Strainer Baskets



LUPUS®II-Filter Elements

Lupus®II-Filter elements for bag filter housings offer totally new perspectives regarding filter quality and filter service life in comparison to standard filter bags. Usually Lupus®II-Filter elements can be placed into the existing bag filter housings size 1 and 2 without removing the filter basket or an adapter piece can be offered suitable to the brand. According to the filtration application different types of filter media are available for the Lupus®II-Filter elements. They can be equipped with depth filter media, pleated filter media or multilayer-pleated media. To separate ferrite particles a magnet bar can additionally be assembled at the handle of the adapter.

All components of the Lupus®II-Filter elements are thermic-welded and are manufactured without the use of adhesives

NEW

Lupus®II-Filter Elements

Technical data

Adapter:	PP (Polypropylene) or PBT (Polyester)
End cap:	PP (Polypropylene) or PBT (Polyester)
Available filter media:	WFMB: PP-Depth media (1 µm to 100 µm nominal) WFCP: PP/PE-Depth media (1µm to 100 µm nominal) WFCPH: Polyester-Depth filter (1µm to 50 µm nominal) WFMLP: PP-Multilayer-pleated media (0.3 µm to 150 µm absolute) WFGFAW: GF-Glassfibre-pleated media (1 µm to 25 µm absolute)
Filter ratios:	0.5 µm to 100 µm according to filter media
Temperature:	PP: max. 60°C PBT: max. 90°C
Differential pressure:	max. 2,5 bar at 20°C Recommended filter exchange at 1,5 bar
Dimensions:	Size 1: Ø183 mm x 290 mm length Size 2: Ø183 mm x 610 mm length
Recommended flow rate:	Size 1: max. 10 m³/h Size 2: max. 20 m³/h

Applications

- Process filter for paints and varnishes
- Pre-filter for water recycling plants
- Particle filter for cleaning baths
- Fine filter for cooling circuits
- Post-filter for activated carbon or ion exchangers
- Protection filter for valves and spray nozzles
- End-filter for bottling of liquids

Features and Benefits

- Reserve filter bag to extend service life or increase filtration quality
- Optionally with depth filter media, pleated filter media or multilayer-pleated media
- Usually can be placed directly into existing bag filter housing
- Additional magnet bar to separate ferrite particles
- All components thermic-welded and manufactured without the use of adhesives.

Assembly

LUPUS®II	WFMB	WFCP	WFCPH	WFMLP	WFGFAW
Filter media	PP-Depth media	PP/PE-Depth media	Polyester-Depth media	PP-Multilayer-pleated media	GF-Glassfibre-pleated media
Filter ration	1 µm- 100 µm nominal	1 µm- 100 µm nominal	1 µm - 50 µm nominal	0.3 µm - 150 µm absolute	1 µm - 25 µm absolute
Support	--	--	----	PP-Mesh	PA-Mesh
Adapter	PP	PP	PBT	PP	PBT
End cap	PP	PP	PBT	PP	PBT

Order-Information

LUPUS®II	-2	-WFGFAW	005	-PBT
	Size	Filter media	Filter ratio	Adapter and End cap
LUPUS®II-Filter elements	Size 1: Ø183 x 290mm	WFMB: PP-Depth media (1 µm to 100 µm nominal)	0.5: 0.5 µm 001: 1 µm 005: 5 µm 010: 10 µm 025: 25 µm 050: 50 µm 070: 70 µm 100: 100 µm	- PP: Polypropylene
	Size 2: Ø183 x 610mm	WFCP: PP-Depth media (1 µm to 100 µm nominal) WFCPH: Polyester-Depth filter (1 µm - 50 µm nominal) WFMLP: Multilayer-PP-Pleated media (0.3 µm to 150 µm absolute) WFGFAW: Glassfibre-pleated media (1 µm to 25 µm absolute)		- PBT: Polyester

Order information magnet bars

LUPUS®II	-2	- Magnetstab	-d30	-EA
For LUPUS®II Filter elements	1: for size 1 Ø183 mm x 290 mm 2: For size 2 Ø183 mm x 610 mm	For size 1: l = 260 mm For size 2: l = 580 mm	d30: Magnet bar Ø 30 mm	--: For Wolftechnik-Housings with press-on-device for filter element -EA: For competitor Housings without press-on-device

Bag Filters and Strainer Baskets



WTBF Strainer baskets made of stainless steel, cleanable

WTBF Strainer baskets made of stainless steel are manufactured for application in bag filter housings and come in 4 different sizes. The filter ration of the strainer baskets with stainless steel mesh ranges from 5 µm to 5000 µm. In addition perforated sheeting baskets in different versions, regarding hole diameters and hole spacing, can be supplied. WTBF Strainer baskets can also be delivered in back-wash and multilayer versions. The filter surfaces of the 4 strainer basket sizes range from 0.05 sq. m to 0.5 sq. m and are optionally equipped with a diagonal bracket or round bracket for easier handling when pulling them out of the housing.

WTBF Strainer baskets

Technical data

Material:	1.4401/1.4301
Filter area:	0.05 m ² to 0.5 m ²
Filter ration:	5 µm – 5000 µm
Differential pressure:	Max. 3 bar
Temperature:	Max. 200°C

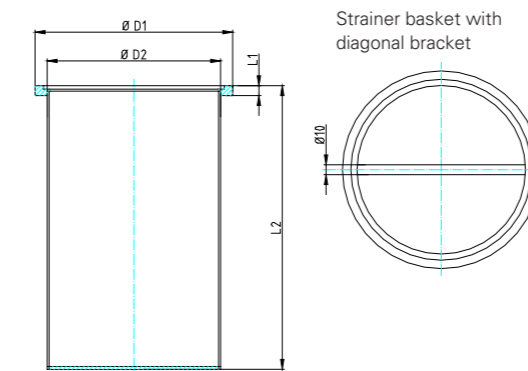
Applications

- Pre-filters for pumps
- Coarse filters for raw material delivery by refuelling vehicle
- Protection filters for spray nozzles of coating plants
- End-filters for bottling into containers
- Particle filters as protection in heat exchangers and cooling plants
- Fine filters for chocolate, syrup, gelatine
- Recycling filters for cooking oil, cooking water, washing water
- Dirt collectors for waste water

Features and Benefits

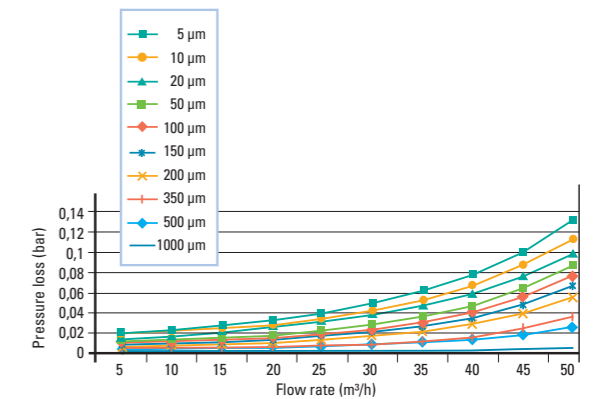
- Cleanable sieve baskets made of stainless steel
- Baskets made of stainless steel mesh or perforated sheeting baskets
- Back-washable and multi-layered versions can also be delivered
- Optional with diagonal bracket or round bracket
- Four sizes with two different diameters
- Filter area 0.05 sq. m to 0.5 sq. m
- High flow rate, low differential pressure
- High dirt retention capacity

Dimensions



Flow rate

Flow rate values in reference to basket size 2 (0.5 sq. m)



Dimensions

Strainer basket	Ø D1 (mm)	Ø D2 (mm)	L1 (mm)	L2 (mm)
WTBF20	118	99.5	8	160
WTBF35	118	99.5	8	310
WTBF40	200	175.5	10	350
WTBF85	200	175.5	10	680

Technical data

Strainer basket	Size 3	Size 4	Size 1	Size 2
Filter area	0.05 m ²	0.1 m ²	0.25 m ²	0.5 m ²
Filter housing	WTBF20	WTBF35	WTBF40	WTBF85
Ø basket D1 (mm)	118	118	200	200
Ø basket D2 (mm)	99.5	99.5	175.5	175.5
Length L1 (mm)	8	8	10	10
Length L2 (mm)	160	310	350	680
Filter ration	5 µm-5000 µm			
Differential pressure	max. 3 bar			
Temperature	max. 200°C			
Material	Basket flange: 1.4571 Mesh: 1.4401			

Order information

WTBF40	-Basket	-Gewe	-0100	-Q	-RS
WTBF20		Mesh version			
WTBF35			Filter ration	Q: Diagonal bracket	RS: Back-wash version
WTBF40		Gewe: Mesh wire	5 µm to 5000 µm	R: Round bracket	
WTBF85		Loch: Perforated sheet			

Bag Filters and Strainer Baskets



WTBF40/85 Magnet insert for bag filter housings type WTBF40 and WTBF85

WTBF-Magnet inserts for separation of ferrite particles are manufactured in two sizes, suitable for bag filter housings type WTBF40 and WTBF85. The filed strength of the used Neodym-Magnets is 1,2 Tesla or 12.000 Gauss. As an option the magnet inserts can be provided with or without a pipe shell. The pipe shell offers the advantage that the ferrite particles separated on the pipe shell can be easily removed after pulling out the magnet inserts.

Another advantage of the WTBF-Magnet inserts is, that the Neodym-Magnets can be provided in different diameters.

The support construction and the pipe shell of the WTBF-Magnet inserts are made from stainless steel AISI304. For cartridge filter housings or non-company housings appropriate custom made versions can be supplied.

WTBF 40/85 Magnet insert

Technical Data

Material:	Stainless steel AISI304
O-Ring:	Viton (only for version with pipe shell)
Field strength:	1,2 Tesla (12.000 Gauss)
Dimensions:	see Dimensions
Temperature:	max. 100°C
Flow rate:	The flow rate correlates to the nominal diameter of the housing connection and the micron rating of the specified filter bag

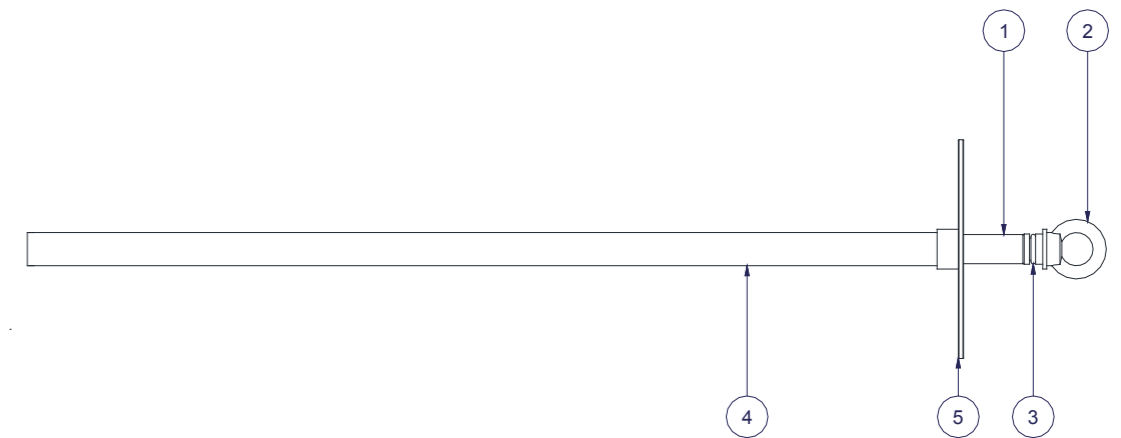
Applications

- Fine filter for cooling circuits
- Particle filter for cleaning baths
- Protection filters for pumps, valves and spray nozzles
- Prefilters for wash- and degreasing baths

Features and Benefits

- Two sizes, suitable for bag filter housings type WTBF40 and WTBF85
- Three different Magnet-diameters
- With or without pipe shell for easy removal of the separated particles
- Field strength 1,2 Tesla (12.000 Gauss)
- Support construction made from AISI304
- Special custom versions for cartridge filter housings or non-company housings can be supplied

Dimensions



Spare Parts

Pos.	Description	Material	Order designation	Order-No.
1	Magnet bar	Edelstahl 1.4301	WTBF40-Magnetstab WTBF85-Magnetstab	999993
2	Ring nut	Stainless Steel A2	WTBF40-Magnetstab-Ringmutter	999993
3	O-Ring	Viton	WTBF40-Magnetstab-ORVIT	999993
4	Pipe shell	Edelstahl 1.4301	WTBF40-Magnetstab-Hüllrohr WTBF85-Magnetstab-Hüllrohr	999993
5	Centering Cross	Edelstahl 1.4301	WTBF40-Magnetstab-Zentrierkreuz	999993

Order example

WTBF	40	-	Magneteinsatz	-	d34	-	H	V
1	2		3		4		5	6

Order Information

Pos.	Description
1	WTBF: For Wolftechnik Bag Filter Housings type WTBF
2	40: For Bag Filter Housings size 1
	85: For Bag Filter Housings size 1
3	Magnet insert
4	d22: Bar-diameter 22 mm
	d30: Bar-diameter 30 mm
	d34: Bar-diameter 34 mm
5	H: With pipe shell for easy removal of the separated particles
6	V: Viton-O-Ring (only for version with pipe shell)

8.

Self-Cleaning Filters

AS-Self-Cleaning Filters

The robust AS-Self Cleaning Filters are engineered for industrial applications to remove solid particles from aqueous and viscous media. The self cleaning is enabled by a fixed wiper blade, which is placed on a rotating wedge wire element and which is cleaning it permanently. The special flow direction bottom-up assists the removal of heavy-weight solids additionally.

WTSRF-Self-Cleaning Filters

The construction of the WTSRF Self Cleaning Filters offers optimum handling, assembly and cleaning. For improved accessibility for maintenance or inspection the whole filter is pivoted on a mobile rack. Even if the filter is in inclined position, the filter element as well as the wiper cage can simply be pulled up and out of the housing and the complete interior of the housing is then empty. As an option, the filter is also available in a standing version. Due to the special position of the connections like inlet and outlet, back flushing and discharging, the WTSRF

Self Cleaning Filters can be completely restrained like our Sanitary housings.

WTSRF Self Cleaning Filters consist of the four assembly groups filter housing, drive, filter element and attachments. These can be adapted individually to existing customer requirements. The standard version already possesses many options, which make additional custom made equipment possible by simple mounting the attachments.

AS-Self-Cleaning Filters



AS50/2
Filter area
240 cm²



AS70
Filter area
415 cm²



AS110
Filter area
695 cm²



AS175
Filter area
1055 cm²

WTSRF-Self-Cleaning Filters



NEW
WTSRF 130-1
Filter area
695 cm²



NEW
WTSRF 130-2
Filter area
1390 cm²



NEW
WTSRF 130-3
Filter area
2085 cm²



Self-Cleaning Filters

AS-Self Cleaning Filter made of stainless steel with wedge wire element

The robust AS-Self Cleaning Filters are engineered for industrial applications to remove solid particles from aqueous and viscous media. The self cleaning is enabled by a fixed wiper blade, which is placed on a rotating wedge wire element and which is cleaning it permanently. The special flow direction bottom-up assists the removal of heavy-weight solids additionally. The impurities accumulated in the housing and on the wiper blade can be flushed out manual or automatically by the drain in the bottom. The lateral bearings can be used for suspension mounting of the AS-Self Cleaning Filter. A special rack is available as an accessory and is facilitating the handling when removing the filter cartridge during maintenance and inspection. AS-Self Cleaning Filters are available in four sizes from 240 cm², 415 cm², 695 cm² to 1055 cm², the according AS-wedge wire cartridges in the slot sizes from 25 µm to 3000 µm.



AS-Self-Cleaning Filters

Technical Data

Material:	Housing: 1.4571 (316Ti), AS50: 1.4301 Filter element: 1.4435 (316 L Mo+) Installations: 1.4571 (316 Ti), AS50: 1.4301 O-Rings: Viton und PTFE In-/Outlet: see table
Drain:	G 2" female thread, AS50: R ¾" male thread
Vent/backwash:	G 1" female thread, AS50: G 1/8" female thread
Pressure:	max. 10 bar
Temperature:	max. 95°C
Drive:	400 V , 50 Hz, 0,09 kW, IP65
Flow rate:	The maximum flow rate correlates to the nominal diameter of the housing connection, the slot size of the used filter element, the assembly size of the filter housing as well as the dirt load and viscosity of the filtrate medium.

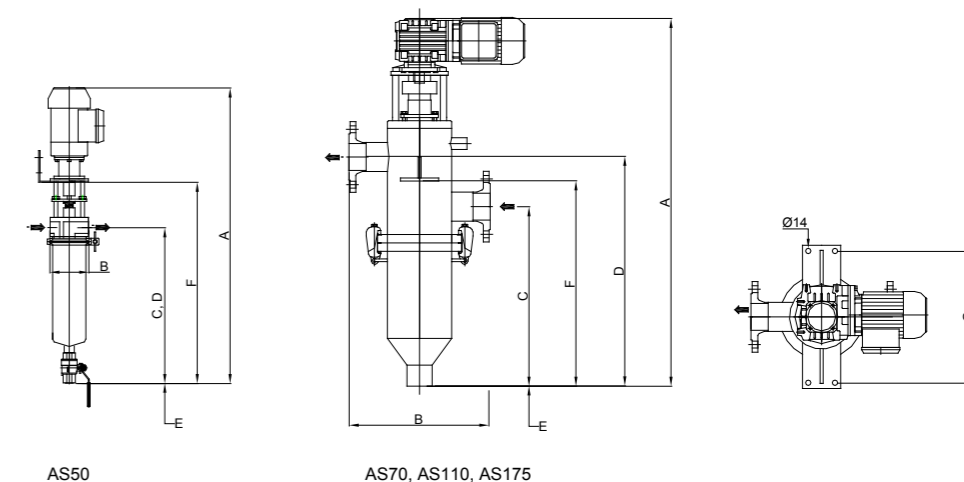
Applications

- Paints, varnish, dispersions, adhesives
- Chocolate, gelatine, syrup, whey, jam
- Cleaning agents, rinse water, washing water
- Waste water, dump seeping water

Features and Benefits

- Self Cleaning Filter with fixed wiper blade and rotating filter cartridge
- Wedge wire elements 25 µm to 3000 µm
- Four assembly sizes with filter areas 240 cm², 415 cm², 695 cm² and 1055 cm²
- Inlet to outlet flow direction bottom-up
- Suspension mounting construction is facilitating maintenance and inspection
- Housing and installations made of stainless steel
- Motor IP64, optional with Ex-proof/Atex-declaration

Dimensions



Dimensions

Typ	Flow rate* [m ³ /h]	Inlet/ Outlet	Drain	Vent/ Backwash	Volume [l]	Weight [kg]	A	B	C	D	E	F	G
AS50/2	1,5	G 1"	R ¾" AG	G 1/8" IG	2	12,5	880	100	435	435	300	620	---
AS70	3	DN50	G 2" IG	G 1" IG	11	41	865	365	370	500	300	435	335
AS110	5	DN65	G 2" IG	G 1" IG	13	47	965	365	470	600	300	535	335
AS175	10	DN80	G 2" IG	G 1" IG	23	81	1030	465	520	670	300	580	420

* Max. recommended flow rate for water and 100µm wedge wire element. The effective flow rate correlates to the nominal diameter of the housing connection, the slot size of the used filter element, the assembly size of the filter housing as well as the dirt load and viscosity of the filtrate medium.

Order example

AS	175	-	-
1	2		3

Order information

Pos	Designation
1	AS = AS-Self Cleaning Filter
2	50/2 = Wedge wire filter 240 cm ² surface area 70 = Wedge wire filter 415 cm ² surface area 110 = Wedge wire filter 695 cm ² surface area 175 = Wedge wire filter 1055 cm ² surface area
3	Accessories / Options
	- = Standard
	EX = Ex-Motor with Atex-declaration

Self-cleaning filter



WTSRF Self-cleaning filter made of stainless steel with wedge wire element

The construction of the WTSRF Self Cleaning Filters offers optimum handling, assembly and cleaning. For improved accessibility for maintenance or inspection the whole filter is pivoted on a mobile rack. Even if the filter is in inclined position, the filter element as well as the wiper cage can simply be pulled up and out of the housing. The complete interior of the housing is then empty. As an option, the filter is also available in a standing version. Due to the special position of the connections like inlet and outlet, back flushing and discharging, the WTSRF Self Cleaning Filters can be completely rest-drained like our Sanitary housings. WTSRF Self Cleaning Filters consist of the four assembly groups filter housing, drive, filter element and attachments. These can be adapted individually to existing customer requirements. The standard version already possesses many options, which make additional custom made equipment possible by simple mounting the attachments.

WTSRF-Self-cleaning filter

NEW



Technical data

Material:	Housing: 1.4571 (316Ti)
	Filter element: 1.4435 (316 L Mo+)
	Installations: 1.4571 (316 Ti)
	O-Rings: Viton and PTFE
In- / Outlet:	DN50 PN16 DIN 2633
Drain:	R 1 1/2" external thread
Vent:	R 1/4" internal thread
Filter ration:	25 µm to 1000 µm
Pressure:	max. 10bar
Temperature:	max. 95°C
Drive:	400V , 50Hz, 0,12 kW, IP65, (Ex-proof on request)
Flow rate:	The flow rate correlates to the nominal diameter of the housing connection, the slot size of the used filter element, the assembly size of the filter housing as well as the dirt load and viscosity of the filtrate medium

Applications

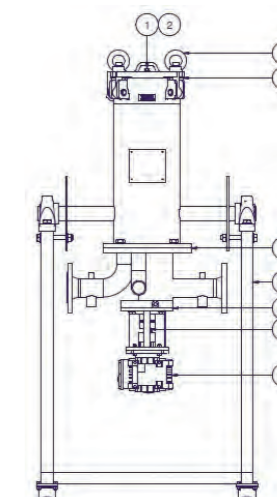
- Prefilters for pumps
- Coarse filters for delivery per refueling vehicle
- Protection filters for spray nozzles in coating plants
- En-filter for bottling into containers
- Particle filter for protection of heat exchangers and cooling circuits
- Fine filter for chocolate, syrup and gelatin
- Recycling filters for cooking oil, cooking water, washing water
- Dirt collectors for waste water

Features and Benefits

- Easy handling, assembly and cleaning
- Pivoted on mobile rack
- Wedge wire elementes 25 µm to 1000 µm
- Three assembly sizes with filter area 685 cm², 1390 cm² and 2085 cm²
- For assembly groups individually modified to suite your needs
- Inline alignment of inlet and outlet
- Multiple options to refit special equipment
- Ex-proof motor on request

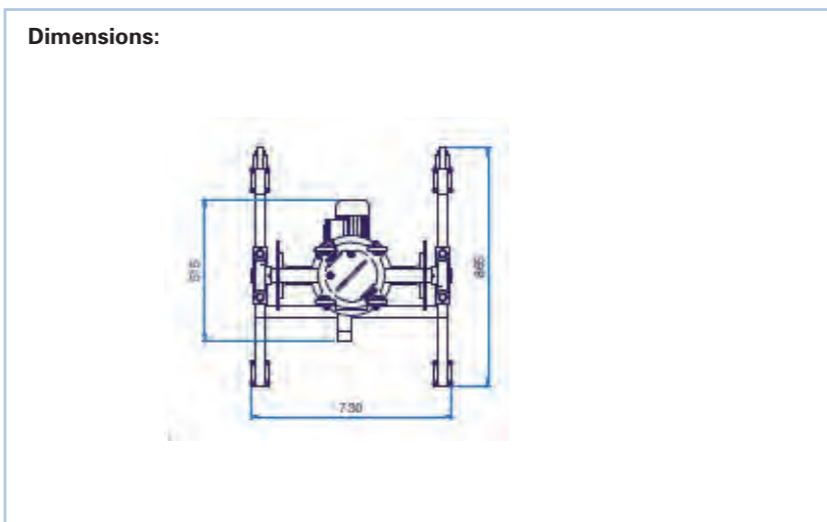
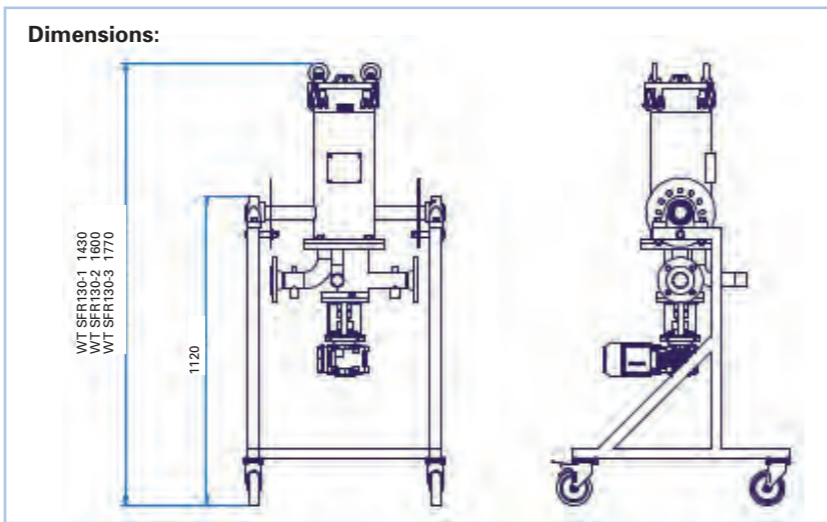


Spare parts:



Spare parts:

Pos.	Description	Material	Order-Designation	Order-No.
1	Plug, 1/4"	1.4571	3WT-ESTP-1/4-T	007151
2	Gasket	PTFE	3WT-DIPTFE-ENTL	000364
3	Ring nut	C15	d219x3-Ringmutter-C	007733
4	O-ring Housing	Viton	WTBF40-ORVIT-GEH	001082
		Viton-FEP	WTBF40-ORFEP-GEH	002252
		Silikon	WTBF40-ORSIL-GEH	003856
		EPDM	WTBF40-OREPDM-GEH	005672
5	Rack with rolls and bearing	1.4301	WTSRF130-Gestell	999995
6	O-ring shaft	Viton	WTSRF-ORVIT-Welle	999997
		Viton-FEP	WTSRF-ORFEP-Welle	999997
		Silikon	WTSRF-ORSIL-Welle	999997
		EPDM	WTSRF-OREPDM-Welle	999997
7	Shaft with sealing cartridge	1.4571	WTSRF130-2-Welle mit Dichtungkartusche	008490
8	Gear drive	Stahl	WTSRF130-2-Motor	999995
9	Bearing	PTFE	WTSRF130-2-Lagerschale-T	008491
10	Wedge wire elemnet 25 µm to 1000 µm	1.4435	WTSRF130-2-SRxxxxT	999991
11	Cage, completed	1.4571	WTSRF130-2-Käfig	999995
12	Wiper	PTFE	WTSRF130-2-Abstreifer-T	008489



Free filter surface area

25µm	35µm	50µm	75µm	100µm	125µm	150µm	200µm	250µm	275µm	300µm	350µm	500µm	750µm	1.000µm
1,2%	1,8%	2,5%	3,7%	4,8%	5,9%	7,0%	9,1%	11,2%	12,1%	13,1%	14,9%	20,0%	27,3%	33,4%

All data refer to wedge wire cartridges with inside support,
Flow direction FOTI (From Outside To Inside)

Order example

WTSRF	130	-	2	-	F	50	-	T	V	-
1	2		3		4	5		6	7	8

Order information

Pos	Designation
1	WTSRF = Wolftechnik Self Cleaning Filter
2	130 = Diameter wedge wire element
3	1 = Length wedge wire element 210 mm: 695 cm ² filter surface area
	2 = Length wedge wire element 380 mm: 1390 cm ² filter surface area
	3 = Length wedge wire element 550 mm: 2085 cm ² filter surface area
4	R = Pipe thread
	F = Flange
	TC = TriClamp
	M = Screwed pipe connection DIN11851
5	2 = 2" internal thread
	50 = Nominal diameter DN50
6	T = Housing material stainless steel 1.4571 (316 Ti)
	L = Housing material stainless steel 1.4301 (304)
7	V = O-ring made of Viton
	S = O-ring made of Silicone
	E = O-ring made of EPDM
	B = O-ring made of Buna
	F = O-ring made of Viton-FEP-encapsulated
8	Labeling of special equipment

9.



Centrifugal Separators and Belt filter

Centrifugal Separators

To separate solid particles from aqueous mediums, Wolftechnik centrifugal separators take advantage of the differing specific weight of the two. The inside of the separator is specially shaped to make the

medium circulate around inside of it. The resulting centrifugal forces act more strongly on the particles to be eliminated and enable efficient separation of them. Wolftechnik centrifugal separators are especially

well-suited for removing hard, solid particles of sand, glass and metal.

Belt filter

UVF universal belt filters and TBF Drop center paper band filter are universally deployable felt filter units for the separation of hard substances from aqueous mediums. Band filters are equipped with an automatic paper transport and, depending on the equipment, with a clean chamber and

return pump. Due to the force of gravity the contaminated liquid from the inlet range runs through the filter felt into the clean-chamber. The filter felt is laterally cleanly bound and sealed to avoid an overflow of the contaminated liquids over the sides into the clean-chamber.

In Wolftechnik's TBF deep-bed filters and UVF universal belt filters, WFV filter fleece rolls are used. There are four different filter fleece types available for optimum matching to the solids to be separated as well as to the existing liquid system.

Centrifugal Separators



WTZA
General description



WTEZA
Compact, closed functional unit



WTDZA
With removable cover



WTFZA
With flanged outlet pipe

Additional components



Automatic discharge device
From 3/4" up to 1 1/2"

Band filter



NEW
TBF Drop center paper band filter
With automatic paper transport



NEW
UVF Universal Belt Filter
With automatic paper transport



WFV Filter Fleece Rolls
for Belt Filter Systems

Centrifugal Separators



WTZA-Centrifugal separators

To separate solid particles from aqueous mediums, Wolftechnik centrifugal separators take advantage of the differing densities of the two mediums. The inside of the separator is especially shaped to make the medium circulate around it. The resulting centrifugal forces act strongly on the particles to be eliminated and enable efficient separation. Wolftechnik centrifugal separators are especially well-suited for removing hard, solid particles of sand, glass and metal. Wolftechnik centrifugal separators can be made of C-steel, stainless steel or plastic. With an identical internal assembly they are manufactured in the three assembly series WTEZA, WTDZA and WTFZA, but differ in the accessibility of the inlet chamber and dirt chamber.



WTZA-Centrifugal separators

Technical data

Material:	Housings and installations
	WTZA-T: Stainless steel 1.4301
	WTZA-C: C-Steel, blue varnished
	Filter element: 1.4435 (316 L Mo+)
	Seals: Viton
In-/Outlet:	Size, Type see table installation measurements
Drain:	Size, Type see table installation measurements
Manometer:	See table installation measurements
Pressure:	Max. 10bar
Temperature:	Max. 95°C
Flow rate:	(See text: flow rate capacity)

Applications

- Industrial washing plant
- Cooling circuits
- Steel manufacturing
- Deep-drilling system in mining
- Irrigation plants
- Manufacturing of optical lenses

Characteristics and Advantages

- No flexible wearing parts
- No sieves or other filter material
- No time-out
- No maintenance- or reverse wash-cycles
- Easy integration into already existing lines
- Periodical discharge of separated substances

How it works



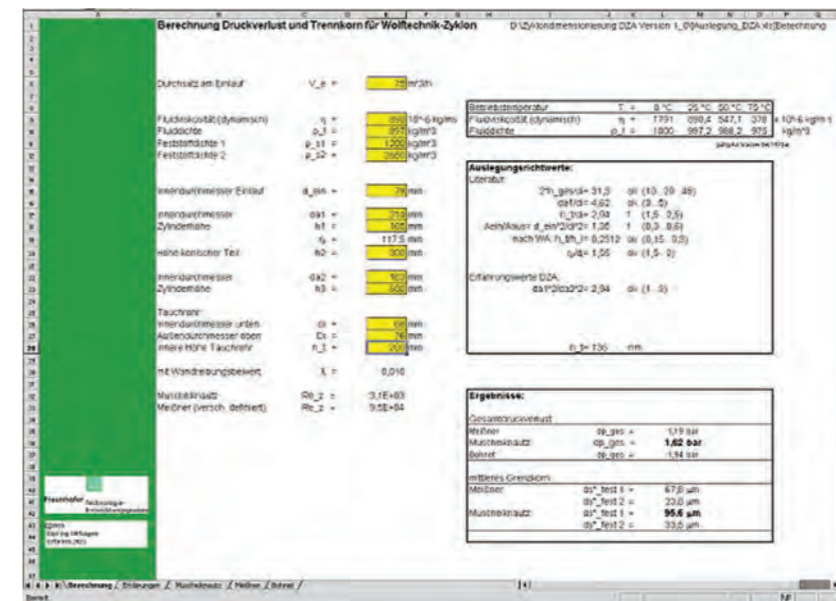
- 1 The tangential inlet connecting piece sets the liquid to be cleaned which contains impurities, in a rotary motion.
- 2 The cone serves to accelerate the current. The arising centrifugal energy affects the particles.
- 3 The centrifugal force presses the particles, which are heavier than the liquid, onto the wall of the central pipe.
- 4 With the aid of the gravity force and the current the particles slide downward into the collection chamber in rotary motion. Due to the sudden diameter enlargement a calming of the spiral movement occurs and the particles settle.
- 5 The cleansed liquid arrives in the liquid eddy of the under pressure zone. The lower deflector breaks the eddy prior to the collection chamber.
- 6 The dirt accumulated in the collection chamber is removed in periodic intervals during working operation. This can be done manually or by means of an automatic draining valve.

Flow rate capacity, differential pressure, efficiency

Depending on the flow rate capacity, the differential pressure and the efficiency will change. To forecast these changes the Wolftechnik Company filter systems have an evaluation program process. This supports us in the construction of new equipment and makes it possible to customize solutions with precise data

concerning the pressure, efficiency, loss which can be expected as well as regarding the attainable separating rate discharge. Due to the variation of the flow rate capacity with otherwise constant conditions for the mathematical operation the interpretation program supplies the exact course of the curve of the differential pressure and the

efficiency in accordance to the flow rate performance. This data can be made available on request in connection with a proposition. Thus the effects can be considered and taken into account in conjunction with the installation of a centrifugal separator into existing systems and plants.



Centrifugal Separator



WTEZA-Centrifugal separator in a closed version

WTEZA-Centrifugal separators are compact, closed design functional units in five different sizes for flow rates of 2 sq. m/h to 40 sq. m/h. There are no moveable wear and tear elements, spare parts or other installations and the internal space is designed in such a way as to prevent any blockage. In this respect the inlet chamber as well as the dirt chamber can be manufactured without an inspection hole. WTEZA-Centrifugal separators can be equipped with a simple ball-valve or automatic discharge device to eliminate the solid particles collected in the dirt chamber.

WTEZA-Centrifugal separator

Technical data

Material:	Housings and installations
	WTZA-T: Stainless steel 1.4301
	WTZA-C: C-Steel, blue varnished
	O-Rings: Viton
In-/Outlet:	Size, Type: see table Dimensions
Drain:	Size, Type: see table Dimensions
Manometer:	See table: Dimensions
Pressure:	Max. 10bar
Temperature:	Max. 95°C
Flow rate:	(See text: flow rate capacity)

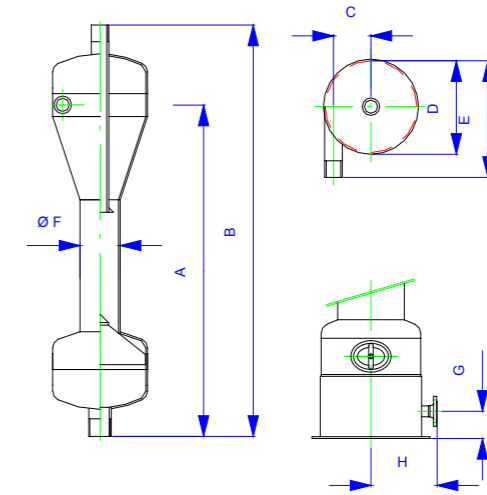
Applications

- Industrial washing plant
- Cooling circuits
- Steel manufacturing
- Deep-drilling system in mining
- Irrigation plants
- Manufacturing of optical lenses

Features and Benefits

- No moveable wearing parts
- No sieves or other filter material
- No stop of process
- No maintenance- or reverse wash-cycles
- Easy integration into already existing lines
- Periodical discharge of separated substances

Dimensions



Dimensions

Model	Flow (m³/h)	dp (bar)	p (bar)	Inlet/Outlet	Drain	A	B	C	D	E	F
WTEZA002	2	1,2	10	½" AG	¾" AG	387	475	45	114	142	48
WTEZA005	5	1,2	10	¾" AG	¾" AG	460	560	54	139	160	76
WTEZA010	10	1,2	10	1 ¼" AG	¾" AG	500	635	67	168	250	89
WTEZA025	25	1,2	10	2" AG	1" AG	730	895	110	273	372	114
WTEZA040	40	1,2	10	DN 65	1" AG	832	1050	104	273	400	140

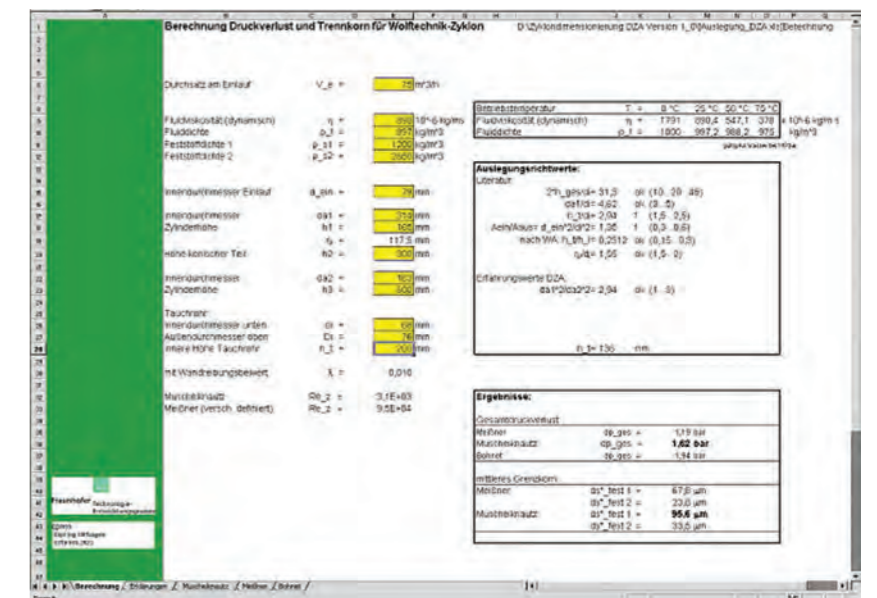
Material: Stainless steel 1.4301 stained and passivated or steel, varnished.

Flow rate capacity, differential pressure, efficiency

Depending on the flow rate capacity, the differential pressure and the efficiency change within the Wolftechnik centrifugal separators. To forecast these changes the Wolftechnik Filter-systeme have an evaluation program. This supports us in the construction of new equipment and makes it possible to customize solutions with precise data concerning the pressure loss which can be expected as well as regarding the attainable efficiency. Due to the variation of the flow rate capacity with otherwise constant

conditions for the mathematical operation the interpretation program supplies the exact course of the curve of the differential pressure and the efficiency in accordance to the flow rate performance. This data can be

made available on request in connection with a proposition. Thus the effects can be considered and taken into account in conjunction with the installation of a centrifugal separator into existing systems and plants.



Centrifugal Separator

WTDZA-Centrifugal separator with flanged cover and bottom

For inspection purposes WTDZA-Centrifugal separators are manufactured with a flanged flat cover on the inlet chamber and a flanged, dished bottom on the dirt chamber. These extremely robust versions are available in the filtration rates of 10 sq. m/h, 25 sq. m/h and 40 sq. m/h. Either a tripod or flanged legs can be supplied to install the device. WTDZA-Centrifugal separators can be equipped with a simple ball-valve or automatic discharge device to remove the separated solid particles collected in the dirt chamber.



WTDZA-Centrifugal separator

Technical data

Material:	Housings and installations
	WTZA-T: Stainless steel 1.4301
	WTZA-C: C-Steel, blue varnished
	O-Rings: Viton
In-/Outlet:	Size, Type: see table Dimensions
Drain:	Size, Type: see table Dimensions
Manometer:	See table: Dimensions
Pressure:	Max. 10bar
Temperature:	Max. 95°C
Flow rate:	(See text: flow rate capacity)

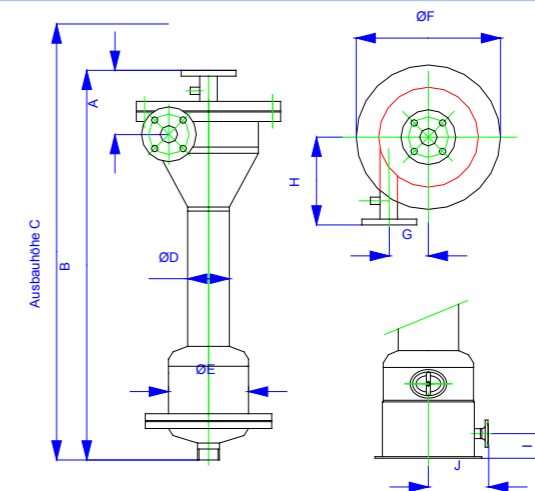
Applications

- Industrial washing plant
- Cooling circuits
- Steel manufacturing
- Deep-drilling system in mining
- Irrigation plants
- Manufacturing of optical lenses

Features and Benefits

- No moveable wearing parts
- No sieves or other filter material
- No stop of process
- No maintenance- or reverse wash-cycles
- Easy integration into already existing lines
- Periodical discharge of separated substances

Dimensions



Dimensions

Model	Flow (m³/h)	dp (bar)	p (bar)	Inlet/Outlet	Drain	A	B	C	D	E	F	G	H
WTDZA010	10	1,2	10	DN 32	DN 20	135	760	100	89	168	250	70	190
WTDZA025	25	1,2	10	DN 50	DN 32	190	1100	1400	114	219	375	112	200
WTDZA040	40	1,2	10	DN 65	DN 40	215	1206	1515	139	219	375	106	285

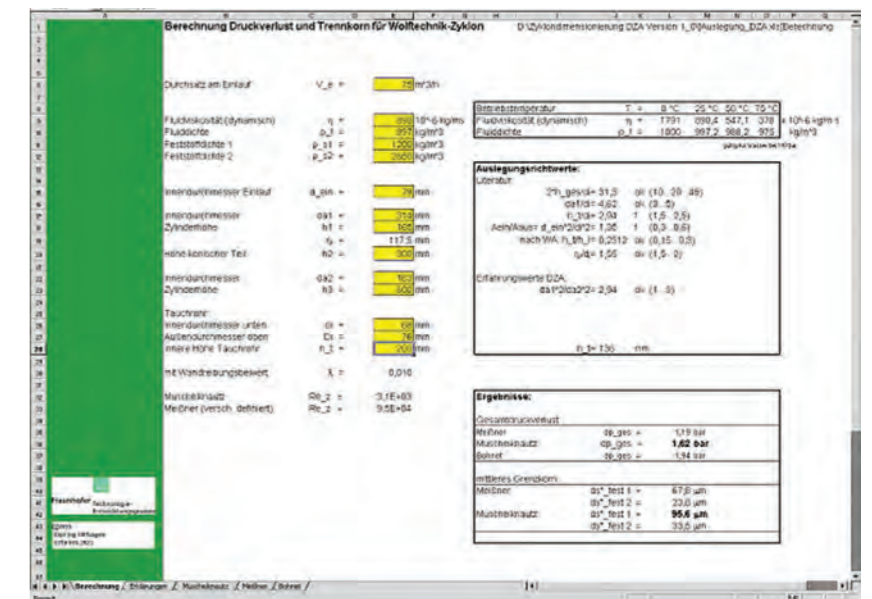
Material: Stainless steel 1.4301 stained and passivated or steel, varnished.

Flow rate capacity, differential pressure, efficiency

Depending on the flow rate capacity, the differential pressure and the efficiency change within the Wolftechnik centrifugal separators. To forecast these changes the Wolftechnik Filter-systeme have an evaluation program. This supports us in the construction of new equipment and makes it possible to customize solutions with precise data concerning the pressure loss which can be expected as well as regarding the efficiency. Due to the variation of the flow rate capacity with otherwise constant conditions

for the mathematical operation the interpretation program supplies the exact course of the curve of the differential pressure and the efficiency in accordance to the flow rate performance. This data can be made

available on request in connection with a proposition. Thus the effects can be considered and taken into account in conjunction with the installation of a centrifugal separator into existing systems and plants.

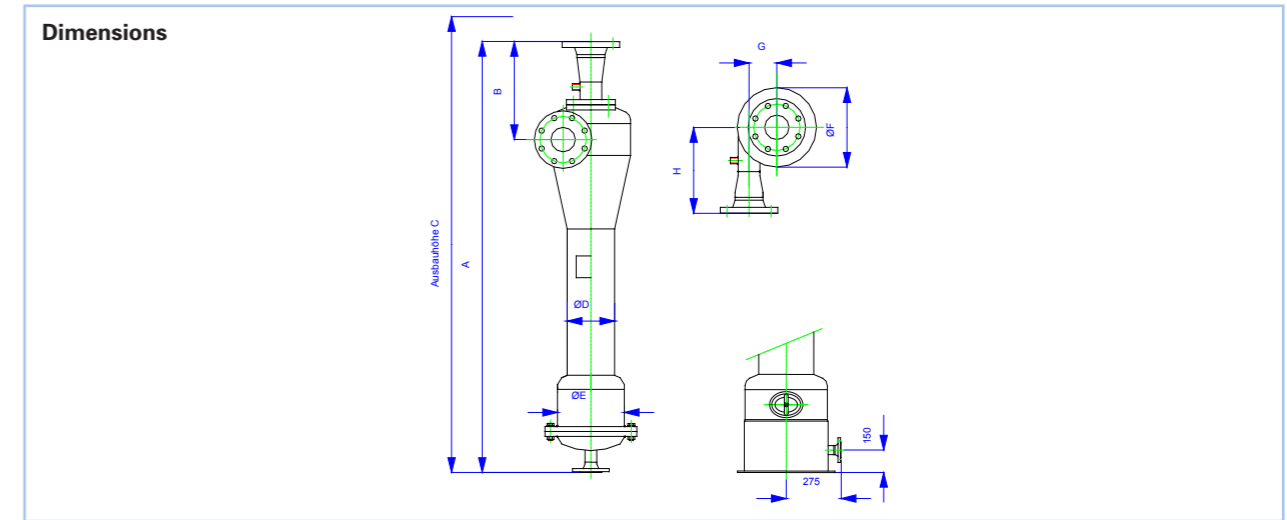


Centrifugal Separator



WTFZA-Centrifugal separator with flanged outlet pipe and bottom

WTFZA-Centrifugal separators are an economical combination of the assembly series WTEZA and WTDZA and are manufactured with a flanged outlet pipe, as well as a tripod and a hand-hole for inspecting the dirt chamber from type WTEZA080 onwards. This assembly series is available in four sizes ranging from 65 sq. m/h to 150 sq. m/h flow rate. By modifying the exchangeable outlet pipe the devices in this assembly series can easily be adjusted to different operating conditions such as flow rate and differential pressure. WTFZA-Centrifugal separators can be equipped with a simple ball-valve or automatic discharge device to remove the separated solid particles collected in the dirt chamber.



Dimensions

Model	Flow (m³/h)	dp (bar)	p (bar)	Inlet/Outlet	Drain	A	B	C	D	E	F	G	H
WTFZA065	65	1,4	10	DN 100	DN 40	1760	400	2200	194	273	324	117	350
WTFZA080	80	1,4	10	DN 100	DN 40	1890	350	2300	219	355	355	133	375
WTFZA120	120	1,4	10	DN 125	DN 40	1950	375	2350	244	355	400	143	400
WTFZA150	150	1,4	10	DN 125	DN 40	2095	390	2550	244	355	400	143	400

From type WTFZA080 onwards with tripod and hand-hole. The flange for the dirt chamber is omitted. Material: Stainless steel 1.4301 stained and passivated or steel, varnished.

Flow rate capacity, differential pressure, efficiency

Depending on the flow rate capacity, the differential pressure and the efficiency change within the Wolftechnik centrifugal separators. To forecast these changes the Wolftechnik Filter-systeme have an evaluation program. This supports us in the construction of new equipment and makes it possible to customize solutions with precise data concerning the pressure loss which can be expected as well as regarding the attainable efficiency. Due to the variation of the flow rate capacity with otherwise constant

conditions for the mathematical operation the interpretation program supplies the exact course of the curve of the differential pressure and the efficiency in accordance to the flow rate performance. This data can be made

available on request in connection with a proposition. Thus the effects can be considered and taken into account in conjunction with the installation of a centrifugal separator into existing systems and plants.

WTFZA-Centrifugal separator

Technical data

Material:	Housings and installations
	WTZA-T: Stainless steel 1.4301
	WTZA-C: C-Steel, blue varnished
	O-Rings: Viton
In-/Outlet:	Size, Type: see table Dimensions
Drain:	Size, Type: see table Dimensions
Manometer:	See table: Dimensions
Pressure:	Max. 10bar
Temperature:	Max. 95°C
Flow rate:	(See text: flow rate capacity)

Applications

- Industrial washing plant
- Cooling circuits
- Steel manufacturing
- Deep-drilling system in mining
- Irrigation plants
- Manufacturing of optical lenses

Features and Benefits

- No moveable wearing parts
- No sieves or other filter material
- No stop of process
- No maintenance- or reverse wash-cycles
- Easy integration into already existing lines
- Periodical discharge of separated substances

Berechnung Druckverlust und Trennkorn für Wolftechnik-Zyktron

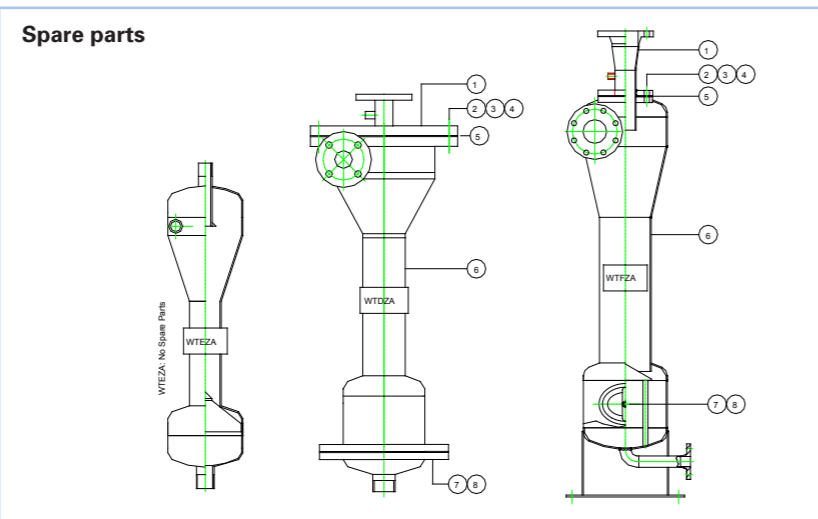
Durchsatz an Ernter: $V_p = 25 \text{ m}^3/\text{h}$

Fluckkoeffizient (dynamisch): $\eta = 0,92$ (10-6 kg/m³)
 Fluckkoeffizient (statisch): $\eta = 0,92$ (10-6 kg/m³)
 Fluckkoeffizient (dynamisch): $\eta = 0,92$ (10-6 kg/m³)
 Fluckkoeffizient (statisch): $\eta = 0,92$ (10-6 kg/m³)

Druckverlust (bar): $p_{ges} = 1,79$
 Druckverlust (bar): $p_{ges} = 1,79$
 Druckverlust (bar): $p_{ges} = 1,79$

Effizienz: $\eta = 0,92$

Ergebnisse:
 Gesamtdruckverlust: $p_{ges} = 1,79 \text{ bar}$
 Druckverlust: $p_{ges} = 1,79 \text{ bar}$
 Effizienz: $\eta = 0,92$



Spare parts

Pos.	Description	Material	Order designation	Order No.
1	Outlet pipe with flange	1.4571/St37	WTDZA-010-Deckel-T/-C	999994
			WTDZA-025-Deckel-T/-C	999994
			WTDZA-040-Deckel-T/-C	999994
			WTFZA-065-Deckel-T/-C	999994
			WTFZA-080-Deckel-T/-C	999994
			WTFZA-120-Deckel-T/-C	999994
			WTFZA-150-Deckel-T/-C	999994
			-----	-----
2	Bolt M16x65	A2	WTZA-Schraube	999994
3	Hex nut M16	A2	WTZA-Mutter	999994
4	Washer	A2	WTZA-Scheibe	999994
5	Flange O-Ring	Viton	WTDZA-010-Deckeldichtung	999994
			WTDZA-025-Deckeldichtung	999994
			WTDZA-040-Deckeldichtung	999994
			WTFZA-065-Flanschdichtung	999994
			WTFZA-080-Flanschdichtung	999994
			WTFZA-120-Flanschdichtung	999994
6	Body	1.4571/St37	-----	-----
7	Hand-hole fastening	1.4571/St37	WTZA-OAB51	999994
8	Hand-hole gasket	Viton	WTFZA-DIVIT-Handloch	008523

Order example

WTEZA	025	-	C	-	-
1	2		3		4

Order information

Pos	Designation
1	WTEZA = Wolftechnik centrifugal separator economy version, completely closed
	WTDZA = Wolftechnik centrifugal separator cover version, removable cover and floor
	WTFZA = Wolftechnik centrifugal separator flange version, flanged tube
2	WTEZA
	002 nominal flow rate capacity 2 m³/h
	005 nominal flow rate capacity 5 m³/h
	010 nominal flow rate capacity 10 m³/h
	025 nominal flow rate capacity 25 m³/h
	040 nominal flow rate capacity 40 m³/h
	WTDZA
	010 nominal flow rate capacity 10 m³/h
	025 nominal flow rate capacity 25 m³/h
	040 nominal flow rate capacity 40 m³/h
	WTFZA
	065 nominal flow rate capacity 65 m³/h
080 nominal flow rate capacity 80 m³/h	
120 nominal flow rate capacity 120 m³/h	
150 nominal flow rate capacity 150 m³/h	
3	C = Housing material C-steel, blue vanished
	T = Housing material stainless steel 1.4301, stained and passivated
4	- Additional Codes for custom made versions

Centrifugal Separators

WTAA Automatic Discharge Device

The Automatic Discharge Device type WTAA is used to release the separated and permanently new accruing solids from the dirt collection chamber of the WTZA-Centrifugal separators or the WTSRF-Self Cleaning Filters. Suitable to fit the connection sizes of the drain ports the WTAA Automatic Discharge Device is available in different connection sizes from 3/4" - 1 1/2". There is a choice of different kind of connections like internal threads, flanges, TriClamp or welding nozzles. All discharge devices are equipped with a 2-2-way-membrane-valve and a controller-head. At the controller head you can find the connections for the compressed air (3-7 bar) as well as the connection for the 24V/DC power supply.

The intervals and opening time to release the solids depends on the amount of solids and the particle size. There are 8 fixed programmed intervals which can be adjusted by dip-switches. Individual operation times can be programmed by factory. In manual mode two push buttons to open and close the valve are available.



WTAA Automatic Discharge Device

NEW

Technical data

Material membrane valve	Stainless steel 1.4435/AISI316L
Material membrane	Viton (optional EPDM or NBR)
Connection sizes:	3/4", 1", 1 1/4", 1 1/2" (DN20, DN25, DN32, DN40)
Compressed air connection:	Push-in connector for hose outside-Ø 6mm
Control pressure:	3-7 bar
Electrical connection:	24V DC round connector M12 x 1, 8-pole
Interval settings:	Dip-switches with 8 fixed cycles
Manual mode:	Push buttons to open/close
Max. operating pressure:	10 bar
Max. operating temperature:	95°C

Applications

- Discharge of dirt collection chamber of WTZA-Centrifugal separators
- Discharge device for WTSRF-Self Cleaning Filter

Features and Benefits

- Connection sizes from 3/4" to 1 1/2"
- 2-2-way-valve made from stainless steel 1.4435/316L
- Membrane material Viton
- With controller head
- Dip-switches for 8 fixed interval and opening times
- Hand mode with push buttons for opening and closing



Order example

WTAA	-R 1 1/2	-T	V
1	2	3	4

Order information

	R 3/4:	Connection 3/4" BSP	T:	V:
	R 1:	Connection 1" BSP	Valve material	Membrane material Viton
	R 1 1/4:	Connection 1 1/4" BSP	1.4435/AISI316L	E:
	R 1 1/2:	Connection 1 1/2" BSP		Membrane material EPDM
				N:
	F20:	Flange DN20		Membrane material NBR
	F25:	Flange DN25		
	F32:	Flange DN32		
	F40:	Flange DN40		
WTAA:				
Wolftechnik-				
Automatic Discharge				
Device	TC20:	TriClamp DN20		
	TC25:	TriClamp DN25		
	TC32:	TriClamp DN32		
	TC40:	TriClamp DN40		
	AS20:	Welding nozzle DN20		
	AS25:	Welding nozzle DN25		
	AS32:	Welding nozzle DN32		
	AS40:	Welding nozzle DN40		

NEW

009088, WTAA-Net plug with multipole M12 x 1, 8-pole 240VDC/24V DC, 1.5m cable length

Band Filter

TBF Drop center paper band filter with automatic paper transport and dirt wiper blade

TBF Drop center paper band filter are universally deployable felt filter units for the separation of hard substances from aqueous mediums. TBF Drop center paper band filters are equipped with an automatic paper transport and a dirt wiper blade attached to the decoiler barrel. Thus the filter felt is automatically clocked to reach a maximum level within the inlet range and rolled up on the decoiler barrel beneath it. At the same time the coarse impurities on the filter felt are removed by the wiper blade at the recoiler barrel and fall into the dirt-chamber. Due to the force of gravity the contaminated liquid from the inlet range runs through the filter felt into the clean-chamber. The filter felt in the TBF Drop center paper band filters is laterally cleanly bound and sealed to avoid an overflow of the contaminated liquids over the sides into the clean-chamber. A recirculation pump for the cleaned liquids in the assembly process can be offered as well as a magnet-barrel for the separation of ferrite particles as optional accessories. TBF Drop centre paper band filters are available in six different sizes and can be selected in reference to the requested flow rate capacity and particle loading.



TBF Drop centre paper band filter

Technical data

Material:	C-steel, varnished RAL5010 Or stainless steel 1.4301, unvarnished
Measurements:	L x B x H: 130 x (365+A) x 977 mm
	Dimensions "A": see table Dimensions
Filter felt:	Material according to installation requirements
	Filter ration: 15 µm – 60 µm
Electrical supply:	400 V, 50 Hz
Flow rate capacity:	See table Dimensions

Applications

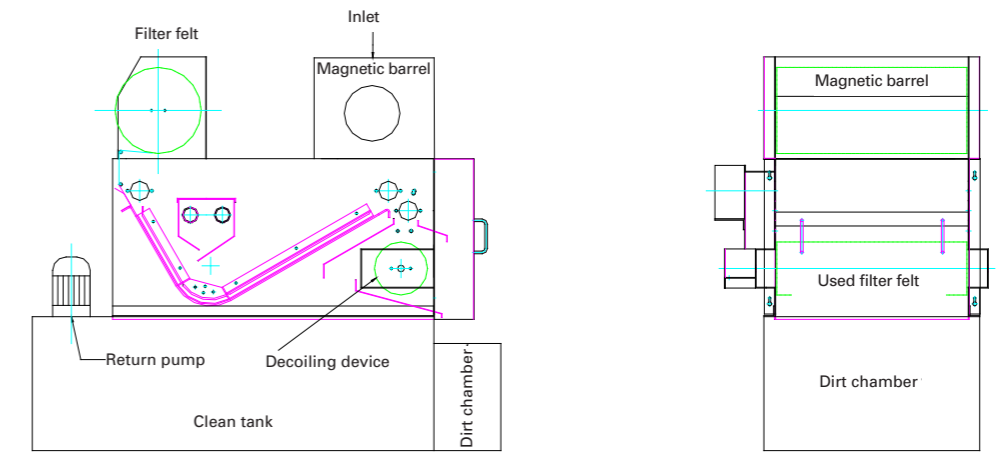
- Treatment of cleaning agents
- Recirculation of cooling lubricants
- Pre-treatment of waste water
- Separation of ferrite particles

Features and Benefits

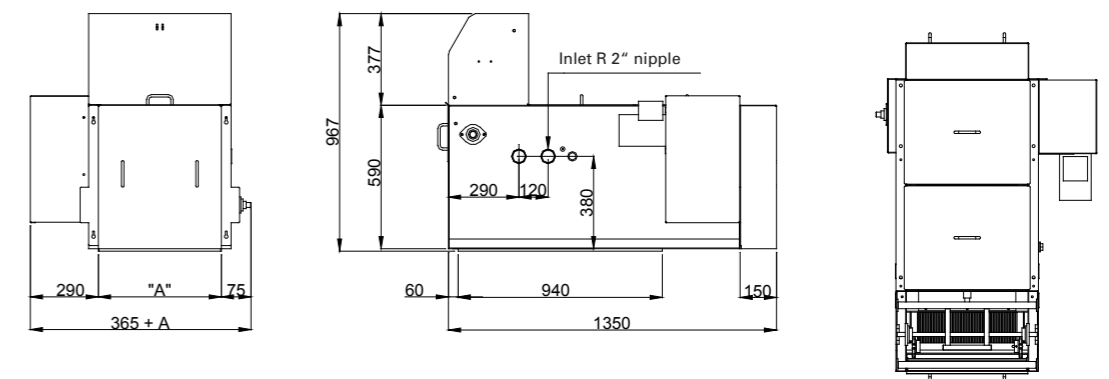
- Drop center paper band filter with automatic paper transport
- Filter felt laterally cleanly bound and sealed
- Dirt wiper blade to separate solid particles from filter felt
- Decoiler barrel for used filter felt
- Optionally with magnet-barrel to separate ferrite particles
- Optionally with recirculation pump for the cleaned liquid
- Filter felt in various qualities and filter rations of 15 µm – 60 µm can be delivered
- 6 assembly sizes to choose from in reference to the requested flow rate capacity and dirt particle loading
- Made entirely of stainless steel or C-steel; can also be delivered varnished



Assembly



Dimensions



Dimensions

TBF Drop center paper band filter	A [mm]	Flow rate capacity* (L/min.)	Roll width filter felt (mm)
TBF 400	406	150	400
TBF 500	506	250	500
TBF 700	726	450	726
TBF 1000	1031	650	1000
TBF 1300	1316	900	1300
TBF 1500	1520	1200	1500

*The recommended flow rate capacity correlates to the particle load and the filter felt used, functioning as a guide line only.

Order information

TBF	0500	L	M	R
	Type and width A	Material	Accessories 1	Accessories 2
	0400: 406mm	L: 1.4301	M: Magnetic barrel	R: Return pump
	0500: 506mm	C: C-steel	(According to capacity)	(According to capacity)
	0700: 726mm			
	1000: 1031mm			
	1300: 1316mm			
	1500: 1520mm			

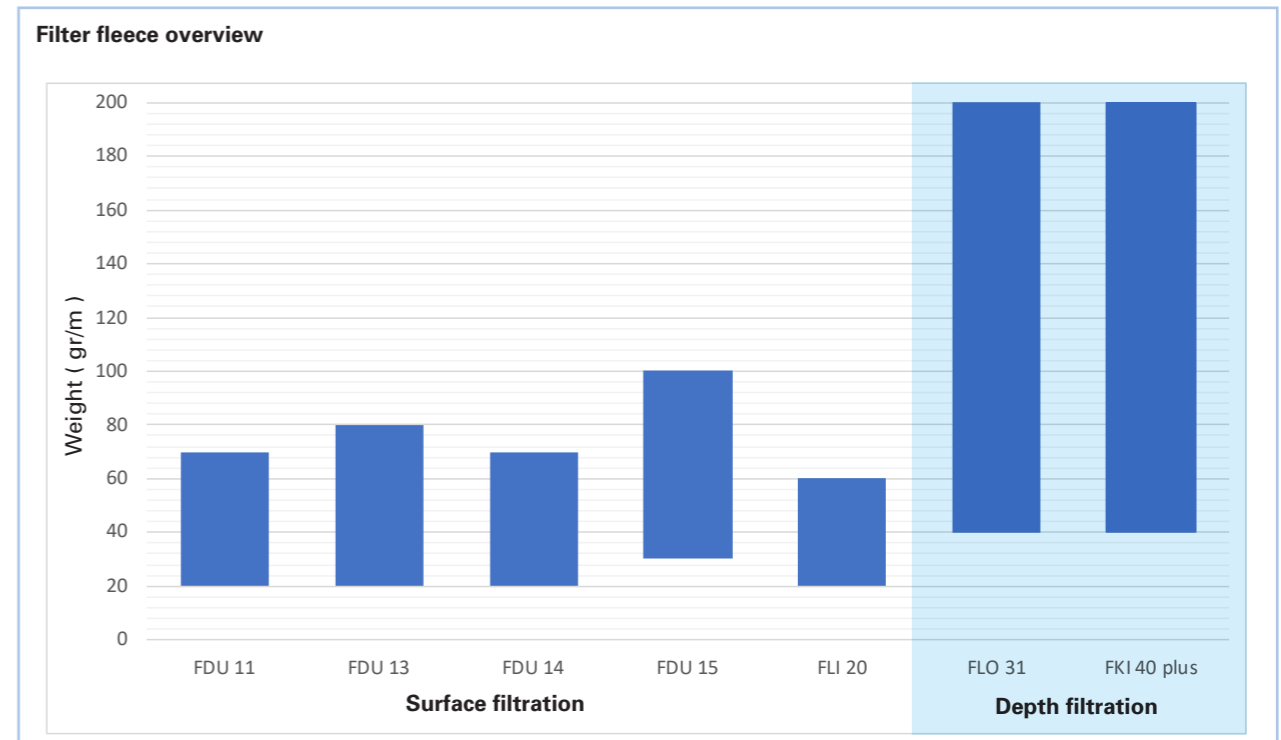
WFV Filter Fleece Rolls for Belt Filter Systems



There are four different filter fleece types available for optimum matching to the solids to be separated as well as to the existing liquid system. Filter fleeces for surface filtration are FDU, which is produced in a melt fibre process from PP and PET, and FLI, which is produced in a chemical binding process from viscose.

Filter fleeces for depth filtration are the FLO, produced from PET in a thermal binding process, and the likewise thermally bonded, but additionally needled FKI made from viscose/PET fibre blend.

FDU, FLI, FLO and FKI are available in each case in different grades, which can be differentiated according to weight in gr/m. All filter fleeces are rolled up into rolls. Usual roll widths are between 500 mm and 1300 mm. The standard length of the filter fleeces per roll range from 50 m up to 200 m. Special widths and lengths can be supplied on request.



WFV-Filter Fleece Rolls

NEW

Technical data

Filter medium

FDU 11, 15: Spun bonded PP
 FDU 13, 14: Spun bonded PET
 FLI: Chemical bonded CV
 FLO: Thermal bonded PET
 FKI: Thermal bonded, needled VC/PET

Weight Temperature

20 gr/m up to 200 gr/m
 PP: max. 80°C
 PET: max. 95°C
 CV: max 95°C

Measurements

Width: 500 mm up to 1300 mm
 Length: 50 m up to 200 m
 (Special widths and lengths can be supplied on request)

Application

- Processing of coolants
- Recirculation of cleaning fluids
- Treatment of process waste water
- Solids separation from rinsing fluids

Features and benefits

- Four different filter fleece types in terms of manufacturing process
- FDU and FLI for surface filtration
- FLO and FKI for depth filtration
- All filter fleece types in different grades in terms of weight in gr/m
- Filter fleece roll widths from 500 mm to 1300 mm
- Filter fleece lengths per roll of 50 m to 200 m
- Special widths and lengths can be supplied on request.



Classification of TBF Deep Bed Filter and UVF Universal Belt Filter roll widths

TBF Deep Bed Filter	Roll width
TBF400	400 mm
TBF500	500 mm
TBF700	726 mm
TBF1000	1000 mm
TBF1300	1300 mm
TBF1500	1500 mm

UVF Universal Belt Filter	Roll width
UVF60	490 mm
UVF100	710 mm
UVF150	710 mm

Ordering example

WFV	-	FDU	14	050	-	0500	100	PET
1		2	3	4		5	6	7

Order information

Pos.	Name	Description
1	WFV filter fleece rolls for belt filter systems	
2	FDU	Spun bonded, PP and PET for surface filtration
	FLI	Chemical bonded, CV for surface filtration
	FLO	Thermal bonded, PET for depth filtration
	FKI	Thermal bonded & needled, VC/PET for depth filtration
3	11 (only FDU)	Spun bonded PP
	13 (only FDU)	Spun bonded PET
	14 (only FDU)	Spun bonded PET
	15 (only FDU)	Spun bonded PP
	20 (only FLI)	Chemical bonded CV
	31 (only FLO)	Thermal bonded PET
	40 plus (only FKI)	Thermal bonded and needled VC/PET
4	20: Weight 20 gr/m	FDU 11, 13, 14 FLI 20
	25: Weight 25 gr/m	FDU 11, 14
	30: Weight 30 gr/m	FDU 11,13, 14, 15 FLI 20
	40: Weight 40 gr/m	FDU 11, 13, 14, FLI 20 FLO 31 FKI 40 plus
	50: Weight 50 gr/m	FDU 11, 13, 14, 15 FLI 20
	60: Weight 60 gr/m	FDU 11, 13, 14 FLI 20 FLO 31 FKI 40 plus
	70: Weight 70 gr/m	FDU 11, 13, 14, 15
	80: Weight 80 gr/m	FDU 13 FLO 31 FKI 40 plus
	100: Weight 100 gr/m	FDU 15 FLO 31 FKI 40 plus
	125: Weight 125 gr/m	FLO 31 FKI 40 plus
	200: Weight 200 gr/m	FLO 31 FKI 40 plus

Order information

Pos.	Name	Description
5*	0500: Roll width 500 mm	
	0540: Roll width 540 mm	
	0726: Roll width 726 mm	
	1000: Roll width 1000 mm	
	1300: Roll width 1300 mm	
6*	050: 50 m length on roll	
	100: 100 m length on roll	
	200: 200 m length on roll	
7	PET: Polyester fleece material	
	PP: Polypropylene fleece material	
	CV: Viscose fleece material	
	CV/PET: Viscose/polyester fleece material	
5*, 6*: On request, all roll widths and lengths can also be supplied in different dimensions.		



In Wolftechnik's TBF deep-bed filters and UVF universal belt filters, WFV filter fleece rolls are used.

The lattice-shaped carrier belt serves as a support for the filter fleece and transports the used filter fleece onwards when the float switch reports the maximum permissible liquid level above the filter fleece. At the same time, new WFV filter fleece is unwound from the roll and the used filter fleece is afterwards – depending on the belt filters' equipment – either rolled up or conveyed into a waste container.

WFV filter fleece rolls can also be installed in belt filter systems from other manufacturers.

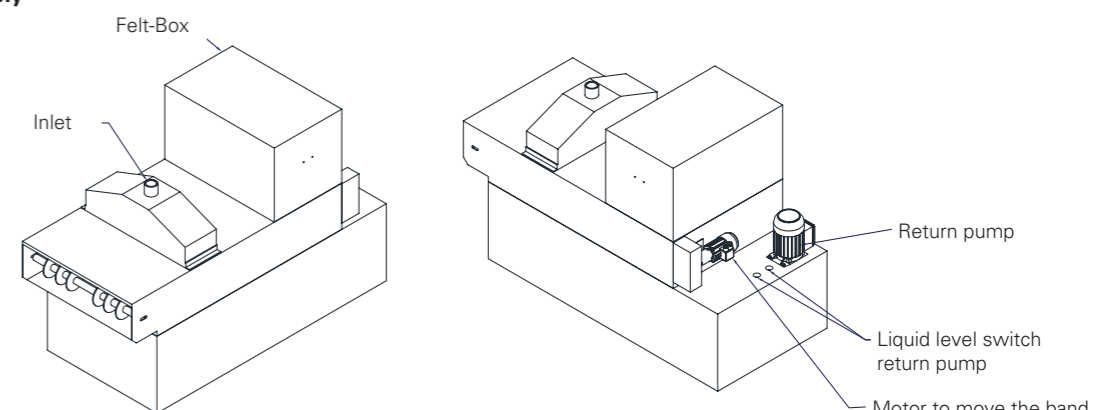
UVF Universal Belt Filter

UVF universal belt filter with automatic fleece transport

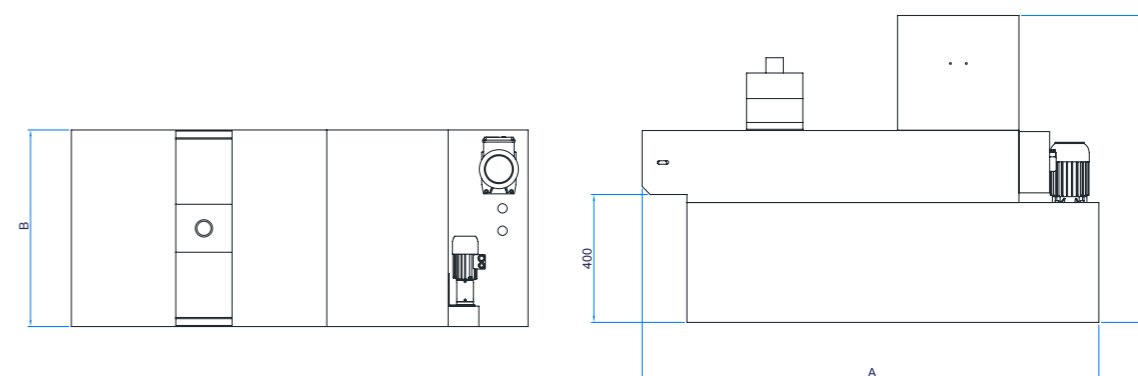
UVF universal belt filters are fleece filter systems that are used to separate solids from aqueous media. UVF universal belt filters are equipped with an automatic fleece transport system. This means that when the fleece filter reaches a maximum fill level in the inlet area, the system automatically conveys onwards. Depending on the equipment, the contaminated fleece filter is either rolled up at the end or conveyed to a dirt hopper. Due to the effect of gravity, the contaminated liquid drains out of the inlet area through the fleece filter into the clean chamber. With UVF universal belt filters, the fleece filter is guided cleanly and sealed at the side, which means that it is not possible for contaminants to overflow.

We can offer as optional accessories the clean chamber and a pump for recirculating the cleaned liquid to the site process. Three sizes of UVF universal belt filters are available that you can choose based on the throughput capacity that you need taking into account the dirt load.

Assembly



Installation dimensions



Dimensions

TBF-Deep Bed Filter	A (mm)	B (mm)	Flow rate capacity* (L/min.)	Roll width of fleece filter [mm]
UVF60	1320 mm	615 mm	60	490
UVF100	1500 mm	815 mm	100	710
UVF150	1865 mm	815 mm	125	710

* The stated throughput rate depends on the dirt load and the fleece filter that is used. It is only intended as a guide value.

Order information

UVF	100	L	R	R
	Type and length x width	Material	Accessories 1	Accessories 2
UVF Universal Belt Filter	060:	L: 1.4301	R:	R:
	1320 mm x 615 mm	C: Carbon steel	Clean chamber	Recirculating pump according to output
	100:			
	1500 mm x 815 mm			
	150:			
	1865 mm x 815 mm			

UVF Universal Belt Filter

NEW

Technical data

Material:	Carbon steel, painted with RAL 5010 or stainless steel 1.4301, unpainted
Dimensions:	L x W x H: see installation dimensions table
Fleece filter:	Material to match conditions of use
Filter finenesses:	15 µm - 60 µm
Power supply:	400V, 50Hz
Throughput rate:	See installation dimensions table

Applications

- Reprocessing of cleaning liquids
- Recirculation of cooling lubricants
- Pre-treatment of waste water
- Separation of ferrite particles

Features and benefits

- Universal belt filter with automatic fleece transport
- Fleece filter guided cleanly and sealed at the side
- Optional clean chamber for cleaned liquid
- With optional recirculating pump for the cleaned liquid
- Fleece filter can be supplied in various qualities and finenesses from 15 µm - 60 µm
- Choice of three sizes based on the throughput capacity and dirt load
- Can be supplied made entirely of stainless steel or painted carbon steel

10.

Quick Couplings & Fittings

10.1. CPC quick couplings

CPC quick couplings are easy-to-use tube connectors for fluids and gases. We offer a range of coupling ranges catering for quick connection and disconnection of tube lines with nominal diameters from 1.2mm to 19mm. Most CPC couplings are available with shut-off valves on one or both ends. Our product range includes various systems for the attachment of the couplings, depending on the medium and the tubes used. The CPC couplings are available in different materials to cover all requirements regarding resistance to chemicals, pressure and temperature.

PAGES 238 – 285

10.2. DMfit tube connectors, valves and in-line filters

The push-fit connectors made from Delrin acetal for metric plastic tubes are available as standard tube connectors and also as connectors equipped with ball valves, needle valves, check valves and in-line filters. Given the huge variety of connectors in L, Y, T and X shapes, the DMfit series offers an impressive range of connecting options for plastic tubes with nominal diameters of 4mm to 12mm. In addition, the DMfit connectors are available as tube-to-tube couplings and adapters with female and male threads.

To connect the tube ends, simply push them into the connector port. The tube ends can at any time be disconnected. An O-ring between the tube and the outer part of the connector provides a reliable seal. The tube end is kept in its position by a barbed stainless steel retaining ring, preventing inadvertent disconnection. To open the connection, simply hold the stainless steel retaining ring by its outer plastic collar and pull the tube from the push-fit connector.

PAGES 286 – 299

10.3. EJ fittings

EJ fittings made of plastic cater for any type of connection between plastic tubes with nominal diameters of 1/16" to 3/4". EJ fittings are available in virgin PP, virgin PE and PVDF, and are certified for use in the foodstuff, medical technical and beverage industries.

EJ fittings come in many shapes and sizes – from straight connectors, threaded pieces to elbows, tees and manifold pieces – allowing for virtually any tubing layout. Special reducers and adapter plugs enable you to connect tubes of various nominal dimensions.

PAGES 300 – 313

10.4. TEF threaded fittings

TEF fittings are thread connectors to connect pipe threads of nominal sizes from 1/8" to 1/2". The TEF range includes reducers, elbows and tees, as well as simple double nipples, plugs and caps. TEF threaded fittings are made from Nylon 66 and dyed blue. Thanks to the excellent thermal and mechanical properties of Nylon 66, TEF threaded fittings are suitable for operating temperatures of up to 120°C and maximum operating pressures of 14 bar.

PAGES 314 – 317

10.1.

CPC quick couplings

CPC quick couplings are easy-to-use tube connectors for fluids and gases. We offer a range of coupling series catering for quick connection and disconnection of tube lines with nominal diameters from 1.2mm to 19mm.

Most CPC couplings are available with shut-off valves on one or both ends. Our product range includes various systems for the attachment of the couplings, depending on the medium and the tubes used. The CPC couplings are

available in different materials to cover all requirements regarding resistance to chemicals, pressure and temperature.



Standard quick couplings

Series	Nominal diameter	Material	O-ring	Temperature	Pressure	Coupling configuration	Plug configuration
SMC	DN 1.2 mm	Delrin acetal Polypropylene Polycarbonate	Buna-N EPDM Buna-N	-40°C to 80°C 0°C to 80°C -40°C to 120°C	7 bar	Male thread Panel mount In-line	Panel mount In-line
PMC	DN 3.2 mm	Delrin acetal	Buna-N	-40°C to 80°C	8 bar	Male thread Panel mount In-line	Male thread Panel mount In-line Elbow
PMC12	DN 3.2 mm	Polypropylene	EPDM	0°C to 70°C	8 bar	Male thread Panel mount In-line	Male thread In-line Elbow
PLC	DN 6.4 mm	Delrin acetal	Buna-N	-40°C to 80°C	8 bar	Male thread Panel mount In-line	Male thread Panel mount In-line Elbow
PLC12	DN 6.4 mm	Polypropylene	EPDM	0°C to 70°C	8 bar	Male thread Panel mount In-line	Male thread Panel mount In-line Elbow
APC	DN 6.4 mm	Delrin acetal	Buna-N	-40°C to 80°C	8 bar	Male thread In-line	Male thread In-line Elbow
EFC12	DN 7.2 mm	Polypropylene	EPDM	0°C to 70°C	8 bar	Male thread Panel mount In-line	Male thread In-line Elbow

High-flow quick couplings

Series	Nominal diameter	Material	O-ring	Temperature	Pressure	Coupling configuration	Plug configuration
HFC12	DN 9.6 mm	Polypropylene	EPDM	0°C to 70°C	4 bar	Male thread Panel mount In-line	Male thread In-line Elbow
HFC35	DN 9.6 mm	Polysulfone	EPDM	-40°C to 140°C	8 bar	Male thread Female thread Panel mount In-line	Male thread Female thread In-line Elbow
HFC57	DN 9.6 mm	Polysulfone UV-resistant	EPDM	-40°C to 140°C	8 bar	Male thread Female thread Panel mount In-line	Male thread Female thread In-line
FFC35	DN 12.7 mm	Polysulfone UV-resistant	EPDM	-40°C to 140°C	8 bar	Male thread Panel mount In-line	Male thread Female thread In-line
NEW CQH06 CQG06	DN 9.6 mm	PP, virgin	FKM FFKM FKM	0°C to 110°C -18°C to 110°C 0°C to 60°C	5.5 bar	Male thread Panel mount Flare	Male thread Flare

Non-spill quick couplings

Series	Nominal diameter	Material	O-ring	Temperature	Pressure	Coupling configuration	Plug configuration
NEW NS1	DN 1.2 mm	Polypropylene, glass-filled	EPDM	0°C to 50°C	1 bar	In-line	Male thread In-line ¼ - 28 female thread
NEW NS2	DN 3.2 mm	PP, glass-filled	EPDM	0°C to 49°C	3 bar	Male thread Panel mount In-line	Male thread Panel mount In-line
NEW NS4	DN 6.4 mm	PP, glass-filled	EPDM	0°C to 71°C	8 bar	Male thread In-line	Male thread Panel mount In-line Elbow
NEW NS6	DN 9.6 mm	PP, glass-filled	EPDM	0°C to 71°C	8 bar	Male thread In-line	Male thread Panel mount In-line
NEW NSH	DN 12.7 mm	PP, glass-filled	EPDM	0°C to -49°C	8 bar	Male thread Female thread PTF Polytube fitting In-line Panel mount	Male thread Female thread PTF Polytube fitting In-line Panel mount

Chrome-plated brass, stainless steel or PPSU quick couplings

Series	Nominal diameter	Material	O-ring	Temperature	Pressure	Coupling configuration	Plug configuration
MC	DN 3.2 mm	Cr-plated brass	Buna-N	-40°C bis 80°C	17 bar	Male thread Panel mount In-line	Male thread Panel mount In-line Elbow Female thread
NEW MC-SST		Edelstahl	FKM				
LC	DN 6.4 mm	Cr-plated brass	Buna-N	-40°C bis 80°C	17 bar	Male thread Panel mount In-line	Male thread Panel mount In-line Elbow
NEW LC-SST		Edelstahl	FKM				
LQ2	DN 3.2 mm	Cr-plated brass	EPDM	-18°C bis 115°C	8 bar	Male thread Panel mount In-line	Male thread Panel mount In-line
NEW PLQ2		PPSU Polyphenylsulfone					
LQ4	DN 6.4 mm	Cr-plated brass	EPDM	-18°C bis 115°C	8 bar	Male thread In-line	Male thread In-line
LQ6	DN 9.6 mm	Cr-plated brass	EPDM	-18°C bis 115°C	8 bar	Male thread In-line	Male thread In-line

Multi-port quick couplings

Series	Nominal diameter	Material	O-ring	Temperature	Pressure	Coupling configuration	Plug configuration
PTC TwinTube	1.6 mm 4.0 mm	Delrin acetal	Buna-N	-40°C to 80°C	7 bar	In-line Panel mount	In-line Panel mount
SX SixTube	1.6 mm 3.0 mm 4.0 mm	Delrin acetal Polypropylene	Buna-N EPDM	-40°C to 80°C 0°C to 80°C	7 bar	In-line Panel mount	In-line Panel mount
TF TenTube	1.6 mm 3.0 mm 4.0 mm	Delrin acetal Polypropylene	Buna-N EPDM	-40°C to 80°C 0°C to 80°C	7 bar	In-line Panel mount	In-line Panel mount

Coupling bodies

SMC series nominal diameter 1.2 mm

SMC series couplings are the smallest coupling series from CPC. These twist-to-connect couplings provide a reliable and more secure alternative to luer-type connections. The coupling

design allows tubes to rotate freely when connected, preventing both kinking and accidental disconnection during use.



Tapered pipe thread

Thread size	Delrin acetal non-valved	Delrin acetal valved	Polypropylene non-valved	Polycarbonate non-valved
1/8" NPT	SMPT02	SMPTD02	SMPT0212	
1/8" NPT	SMPT02BLK	SMPTD02BLK		



In-line straight barb

Tube size inch	Tube size metric	Delrin acetal non-valved	Delrin acetal valved	Polypropylene non-valved	Polycarbonate non-valved
1/16" ID	1.6 mm ID	SMF01	SMFD01	SMF0112	SMF0191
1/16" ID	1.6 mm ID	SMF01MBLK	SMFD01MBLK		
	3 mm ID	SMFM3	SMFDM3		
	3 mm ID	SMFM3MBLK	SMFDM3MBLK		
1/8" ID	3.2 mm ID	SMF02	SMFD02	SMF0212	SMF0291
1/8" ID	3.2 mm ID	SMF02SMBLK	SMFD02MBLK		

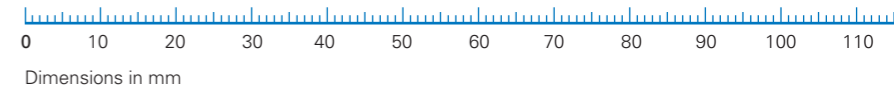


Panel mount straight barb

Tube size inch	Tube size metric	Delrin acetal non-valved	Delrin acetal valved	Polypropylene non-valved
1/16" ID	1.6 mm ID	SMFPM01	SMFPMD01	SMFPM0112
1/16" ID	1.6 mm ID	SMFPM01MBLK	SMFPMD01MBLK	
	3 mm ID	SMFPM3	SMFPMD3	
	3 mm ID	SMFPM3MBLK	SMFPMD3MBLK	
1/8" ID	3.2 mm ID	SMFPM02	SMFPMD02	SMFPM0212
1/8" ID	3.2 mm ID	SMFPM02SMBLK	SMFPMD02MBLK	

Plugs

SMC series nominal diameter 1.2 mm



straight barb

Tube size inch	Tube size metric	Delrin acetal non-valved	Polypropylene non-valved	Polycarbonate non-valved
1/16" ID		SMM01	SMM0112	SMM0191
1/16" ID		SMM01MBLK		
	3 mm ID	SMMM3		
	3 mm ID	SMMM3MBLK		
1/8" ID		SMM02	SMM0212	SMM0291
1/8" ID		SMM02MBLK		



Panel mount straight barb

Tube size inch	Tube size metric	Delrin acetal non-valved	Polypropylene non-valved
1/16" ID		SMMPM01	SMMPM0112
1/16" ID		SMMPM01MBLK	
	3 mm ID	SMMPM3	
	3 mm ID	SMPMM3BLK	
1/8" ID		SMMPM02	SMMPM 0212
1/8" ID		SMMPM02SMBLK	



Two-sided straight barb

Tube size inch	Tube size metric	Delrin acetal non-valved	Polypropylene valved	Polycarbonate non-valved	Polycarbonate non-valved
1/16" ID		SMC01	SMCD01	SMC0112	SMC0191
1/16" ID		SMC01MBLK	SMCD01MBLK		
	3 mm ID	SMCM3	SMCDM3		
	3 mm ID	SMCM3MBLK	SMCDM3MBLK		
1/8" ID		SMC02	SMCD02	SMC0212	SMC0291
1/8" ID		SMC02MBLK	SMCD02MBLK		

Coupling bodies

PMC series nominal diameter 3.2 mm, Delrin acetal

PMC series couplings are the most popular quick couplings from CPC. They are available in two types of materials. The standard version made in Delrin acetal is extremely durable and suitable for use with most mild chemicals. The PMC12 is made in polypropylene and is resistant to a wide range of chemicals.



Tapered pipe thread

Thread size	non-valved		valved	
1/8" NPT	PMC1002		PMCD1002	
1/8" BSPT	PMC1002BSPT		PMCD1002BSPT	
1/4" NPT	PMC1004		PMCD1004	
1/4" BSPT	PMC1004BSPT		PMCD1004BSPT	



Panel mount PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved	valved
5/32" OD .08" ID	4 mm OD 2 mm ID	PMC12M42	PMCD12M42
5/32" OD .10" ID	4 mm OD 2.5 mm ID	PMC12025	PMCD12025
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	PMC1204	PMCD1204

* observe inner and outer tube diameters!



Panel mount straight barb

Tube size inch	Tube size metric	non-valved	valved
1/16" ID	1.6 mm ID	PMC1601	PMCD1601
1/8" ID	3.2 mm ID	PMC1602	PMCD1602
3/16" ID	4.8 mm ID	PMC1603	PMCD1603
1/4" ID	6.4 mm ID	PMC1604	PMCD1604



Panel mount Female thread

Thread size	non-valved	valved
10-32 UNF	PMC181032	PMCD181032



In-line PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved	valved
5/32" OD .08" ID	4 mm OD 2 mm ID	PMC13M42	PMCD13M42
5/32" OD .10" ID	4 mm OD 2.5 mm ID	PMC13025	PMCD13025
3/16" OD .12" ID	5 mm OD 3 mm ID	PMC13M5	PMCD13M5
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	PMC1304	PMCD1304

* observe inner and outer tube diameters!



In-line straight barb

Tube size inch	Tube size metric	non-valved	valved
1/16" ID	1.6 mm ID	PMC1701	PMCD1701
1/8" ID	3.2 mm ID	PMC1702	PMCD1702
3/16" ID	4.8 mm ID	PMC1703	PMCD1703
1/4" ID	6.4 mm ID	PMC1704	PMCD1704

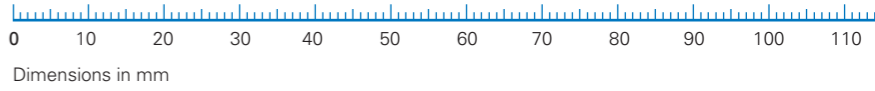


Female thread

Thread size	non-valved	valved
10-32 UNF	PMC191032	PMCD191032

Plugs

PMC series nominal diameter 3.2 mm, Delrin acetal



Tapered pipe thread

Thread size	non-valved	valved
1/8" NPT	PMC2402	PMCD2402
1/8" BSPT	PMC2402BSPT	PMCD2402BSPT
1/4" NPT	PMC2404	PMCD2404
1/4" BSPT	PMC2404BSPT	PMCD2404BSPT



Panel mount PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved	valved
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	PMC4004	PMCD4004

* observe inner and outer tube diameters!



Panel mount straight barb

Tube size inch	Tube size metric	non-valved	valved
1/16" ID	1.6 mm ID	PMC4201	PMCD4201
1/8" ID	3.2 mm ID	PMC4202	PMCD4202
3/16" ID	4.8 mm ID	PMC4203	PMCD4203
1/4" ID	6.4 mm ID	PMC4204	PMCD4204



In-line PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved	valved
5/32" OD .08" ID	4 mm OD 2 mm ID	PMC20M42	PMCD20M42
5/32" OD .10" ID	4 mm OD 2.5 mm ID	PMC20025	PMCD20025
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	PMC2004	PMCD2004
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	PMC2006	PMCD2006

* observe inner and outer tube diameters!



In-line straight barb

Tube size inch	Tube size metric	non-valved	valved
1/16" ID	1.6 mm ID	PMC2201	PMCD2201
1/8" ID	3.2 mm ID	PMC2202	PMCD2202
3/16" ID	4.8 mm ID	PMC2203	PMCD2203
1/4" ID	6.4 mm ID	PMC2204	PMCD2204



In-line female thread

Thread size	non-valved	valved
10-32 UNF	PMC281032	PMCD281032



Elbow PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved	valved
5/32" OD .10" ID	4 mm OD 2.5 mm ID	PMC21025	
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	PMC2104	PMCD2104

* observe inner and outer tube diameters!



Elbow straight barb

Tube size inch	Tube size metric	non-valved	valved
1/8" ID	3.2 mm ID	PMC2302	PMCD2302
1/4" ID	6.4 mm ID	PMC2304	PMCD2304

Coupling bodies

PMC12 series nominal diameter 3.2 mm, polypropylene



Tapered pipe thread

Thread size	non-valved		valved	
	inch	metric	inch	metric
1/8" NPT		PMC100212		PMCD100212
1/8" BSPT		PMC100212 BSPT		PMCD100212 BSPT
1/4" NPT		PMC100412		PMCD100412
1/4" BSPT		PMC10412 BSPT		PMCD100412 BSPT



Panel mount PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved	valved
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	PMC120412	PMCD120412

* observe inner and outer tube diameters!



Panel mount straight barb

Tube size inch	Tube size metric	non-valved	valved
1/16" ID	1.6 mm ID	PMC160112	PMCD160112
1/8" ID	3.2 mm ID	PMC160212	PMCD160212
1/4" ID	6.4 mm ID	PMC160412	PMCD160412



In-line PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved	valved
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	PMC130412	PMCD130412

* observe inner and outer tube diameters!



In-line straight barb

Tube size inch	Tube size metric	non-valved	valved
1/16" ID	1.6 mm ID	PMC170112	PMCD170112
1/8" ID	3.2 mm ID	PMC170212	PMCD170212
1/4" ID	6.4 mm ID	PMC170412	PMCD170412



Panel mount 1/4 - 28 female thread

Tube size inch	valved
1/4 - 28 female thread	PMCD18042812



InLine 1/4 - 28 female thread

Tube size inch	valved
1/4 - 28 female thread	PMCD19042812



1/4 - 28 nut

Tube size inch	Tube size metric	Description	Part no.
1/16" ID	1.8 mm	1/4 - 28 polypropylene, virgin	241890
1/8" ID	3.0 mm	1/4 - 28 polypropylene, virgin	241900
1/16" ID	1.8 mm	1/4 - 28 acetal, black	2419199
1/8" ID	3.0 mm	1/4 - 28 acetal, black	2419299



1/4 - 28 inserts

Tube size inch	Tube size metric	Description	Part no.
1/16" ID		Insert, ETFE, blue	2419300
1/8" ID		Insert, ETFE, blue	2419400
	1.8 mm	Insert, ETFE, green	2419500
	3.0 mm	Insert, ETFE, orange	2419600



Dimensions in mm



PMC12 series nominal diameter 3.2 mm, polypropylene

Plugs



Tapered pipe thread

Thread size	non-valved	valved
1/8" NPT	PMC240212	PMCD240212



Panel mount PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved	valved
1/4" AD .17" ID	6.4 mm AD 4.3 mm ID	PMC400412	PMCD400412

*observe inner and outer tube diameters!



In-line PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved	valved
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	PMC200412	PMCD200412

* observe inner and outer tube diameters!



Panel mount Straight barb

Tube size inch	Tube size metric	non-valved	valved
1/16" ID	1,6 mm ID	PMC420112	PMCD420112
1/8" ID	3,2mm ID	PMC420212	PMCD420212
1/4" ID	6,4 mm ID	PMC420412	PMCD420412



In-line straight barb

Tube size inch	Tube size metric	non-valved	valved
1/16" ID	1.6 mm ID	PMC220112	PMCD220112
1/8" ID	3.2 mm ID	PMC220212	PMCD220212
1/4" ID	6.4 mm ID	PMC220412	PMCD220412



Elbow PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved	valved
5/32" OD .10" ID	4 mm OD 2.5 mm ID	PMC2102512	PMCD2102512
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	PMC210412	PMCD210412

* observe inner and outer tube diameters!



Elbow straight barb

Tube size inch	Tube size metric	non-valved	valved
1/8" ID	3.2 mm ID	PMC230212	PMCD230212
1/4" ID	6.4 mm ID	PMC230412	PMCD230412



Panel mount Inline 1/4-28 female thread

Tube size inch	Tube size metric	non-valved	valved
1/4-28 female thread			PMCD48042812

Coupling bodies

PLC series nominal diameter 6.4 mm, Delrin acetal

PLC couplings are the second most popular couplings from CPC. Similar to the PMC series products, the PLC couplings are available in

Delrin acetal or polypropylene. The PLC couplings offer the flexibility of multiple configurations and terminations.



Tapered pipe thread

Thread size	non-valved	valved
1/4" NPT	PLC10004	PLCD10004
1/4" BSPT	PLC10004BSPT	PLCD10004BSPT
3/8" NPT	PLC10006	PLCD10006
3/8" BSPT	PLC10006BSPT	PLCD10006 BSPT



Panel mount PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved	valved
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	PLC12004	PLCD12004
	8 mm OD 6 mm ID	PLC120M8	PLCD120M8
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	PLC12006	PLCD12006
	10 mm OD 8 mm ID	PLC120M10	PLCD120M10

* observe inner and outer tube diameters!



Panel mount straight barb

Tube size inch	Tube size metric	non-valved	valved
1/4" ID	6.4 mm ID	PLC16004	PLCD16004
5/16" ID	7.9 mm ID	PLC16005	PLCD16005
3/8" ID	9.5 mm ID	PLC16006	PLCD16006



In-line panel mount push-in

Tube size inch	Tube size metric	non-valved	valved
1/4" OD	6.4 mm OD	PLC11004	PLCD11004



In-line PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved	valved
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	PLC13004	PLCD13004
	8 mm OD 6 mm ID	PLC130M8	PLCD130M8
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	PLC13006	PLCD13006
	10 mm OD 8 mm ID	PLC130M10	PLCD130M10

* observe inner and outer tube diameters!



In-line straight barb

Tube size inch	Tube size metric	non-valved	valved
1/4" ID	6.4 mm ID	PLC17004	PLCD17004
5/16" ID	7.9 mm ID	PLC17005	PLCD17005
3/8" ID	9.5 mm ID	PLC17006	PLCD17006



In-line push-in

Tube size inch	Tube size metric	non-valved	valved
1/4" OD	6.4 mm OD	PLC14004	PLCD14004
3/8" OD	9.5 mm OD	PLC14006	PLCD14006

Dimensions in mm



Plugs



Tapered pipe thread



Panel mount PTF Polytube fitting, ferruleless*



Panel mount straight barb



Panel mount push-in



In-line PTF Polytube fitting, ferruleless*



In-line straight barb



In-line push-in



Elbow PTF Polytube fitting, ferruleless*



Elbow straight barb

PLC series nominal diameter 6.4 mm, Delrin acetal

Thread size	non-valved	valved
1/4" NPT	PLC24004	PLCD24004
1/4" BSPT	PLC24004BSPT	PLCD24004BSPT
3/8" NPT	PLC24006	PLCD24006
3/8" BSPT	PLC24006BSPT	PLCD24006BSPT

Tube size inch	Tube size metric	non-valved	valved
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	PLC40004	PLCD40004
	8 mm OD 6 mm ID	PLC400M8	PLCD400M8
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	PLC40006	PLCD40006
	10 mm OD 8 mm ID	PLC400M10	PLCD400M10

* observe inner and outer tube diameters!

Tube size inch	Tube size metric	non-valved	valved
1/4" ID	6.4 mm ID	PLC42004	PLCD42004
5/16" ID	7.9 mm ID	PLC42005	PLCD42005
3/8" ID	9.5 mm ID	PLC42006	PLCD42006

Tube size inch	Tube size metric	non-valved	valved
1/4" OD	6.4 mm OD	PLC41004	PLCD41004

Tube size inch	Tube size metric	non-valved	valved
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	PLC20004	PLCD20004
	8 mm OD 6 mm ID	PLC200M8	PLCD200M8
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	PLC20006	PLCD20006
	10 mm OD 8 mm ID	PLC200M10	PLCD200M10

* observe inner and outer tube diameters!

Tube size inch	Tube size metric	non-valved	valved
1/4" ID	6.4 mm ID	PLC22004	PLCD22004
5/16" ID	7.9 mm ID	PLC22005	PLCD22005
3/8" ID	9.5 mm ID	PLC22006	PLCD22006

Tube size inch	Tube size metric	non-valved	valved
1/4" OD	6.4 mm OD	PLC29004	PLCD29004
3/8" OD	9.5 mm OD	PLC29006	PLCD29006

Tube size inch	Tube size metric	non-valved	valved
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	PLC21006	PLCD21006

* observe inner and outer tube diameters!

Tube size inch	Tube size metric	non-valved	valved
1/4" ID	6.4 mm ID	PLC23004	PLCD23004
3/8" ID	9.5 mm ID	PLC23006	PLCD23006

Coupling bodies

PLC12 series nominal diameter 6.4 mm, polypropylene



Tapered pipe thread

Thread size	non-valved		valved	
1/4" NPT	PLC1000412		PLCD1000412	
1/4" BSPT	PLC1000412 BSPT		PLCD1000412 BSPT	
3/8" NPT	PLC1000612		PLCD1000612	
3/8" BSPT	PLC1000612 BSPT		PLCD1000612 BSPT	



Panel mount PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved		valved	
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	PLC1200612		PLCD1200612	

* observe inner and outer tube diameters!



Panel mount straight barb

Tube size inch	Tube size metric	non-valved		valved	
1/4" ID	6.4 mm ID	PLC1600412		PLCD1600412	
3/8" ID	9.5 mm ID	PLC1600612		PLCD1600612	



In-line PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved		valved	
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	PLC1300612		PLCD1300612	

* observe inner and outer tube diameters!

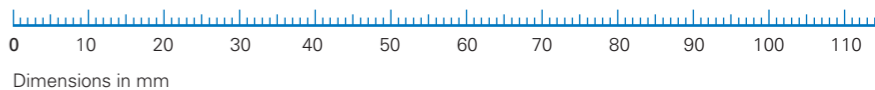
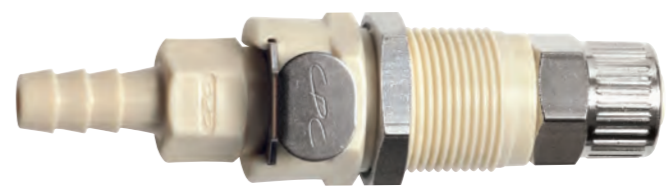


In-line straight barb

Tube size inch	Tube size metric	non-valved		valved	
1/4" ID	6.4 mm ID	PLC1700412		PLCD1700412	
3/8" ID	9.6 mm ID	PLC1700612		PLCD1700612	

Plugs

PLC12 series nominal diameter 6.4 mm, polypropylene



Tapered pipe thread

Thread size	non-valved		valved	
1/4" NPT	PLC2400412		PLCD2400412	



Panel mount straight barb

Tube size inch	Tube size metric	non-valved		valved	
1/4" ID	6.4 mm ID	PLC4200412		PLCD4200412	
3/8" ID	9.5 mm ID	PLC4200612		PLCD4200612	



In-line PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved		valved	
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	PLC2000612		PLCD2000612	

* observe inner and outer tube diameters!



In-line straight barb

Tube size inch	Tube size metric	non-valved		valved	
1/4" ID	6.4 mm ID	PLC2200412		PLCD2200412	
3/8" ID	9.5 mm ID	PLC2200612		PLCD2200612	



Elbow PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved		valved	
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	PLC2100612		PLCD2100612	

* observe inner and outer tube diameters!



Elbow straight barb

Tube size inch	Tube size metric	non-valved		valved	
1/4" ID	6.4 mm ID	PLC2300412		PLCD2300412	
3/8" ID	9.5 mm ID	PLC2300612		PLCD2300612	

Coupling bodies

APC series nominal diameter 6.4 mm, Delrin acetal

APC quick couplings are made entirely from plastic. APC couplings feature smooth contours and few moving parts, which make them easy to handle while guaranteeing excellent flow in a

compact size. The APC couplings made in Delrin acetal is a low-cost product for less demanding applications.



Tapered pipe thread

Thread size	non-valved		valved	
	part number	part number	part number	part number
1/4" NPT	APC10004	APCD10004		
1/4" BSPT	APC10004BSPT			
3/8" NPT	APC10006	APCD10006		
3/8" BSPT	APC10006BSPT			



In-line straight barb

Tube size inch	Tube size metric	non-valved		valved	
		part number	part number	part number	part number
1/4" ID	6.4 mm ID	APC17004			
3/8" ID	9.5 mm ID	APC17006			



In-line, with thumb latch shroud
PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved		valved	
		part number	part number	part number	part number
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	APC13004SH	APCD13004SH		
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	APC13004SH	APCD13006SH		
	8 mm OD 6 mm ID	APC130M8SH	APCD130M8SH		
	10 mm OD 8 mm ID	APC130M10SH	APCD130M10SH		

* observe inner and outer tube diameters!



In-line, with thumb latch shroud
straight barb

Tube size inch	Tube size metric	non-valved		valved	
		part number	part number	part number	part number
1/4" ID	6.4 mm ID	APC17004SH	APCD17004SH		
3/8" ID	9.5 mm ID	APC17006SH	APCD17006SH		



Panel mount
PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved		valved	
		part number	part number	part number	part number
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	APC12004	APCD12004		
	8 mm OD 6 mm ID	APC120M8	APCD120M8		
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	APC12006	APCD12006		
	10 mm OD 8 mm ID	APC120M10	APCD120M10		

* observe inner and outer tube diameters!

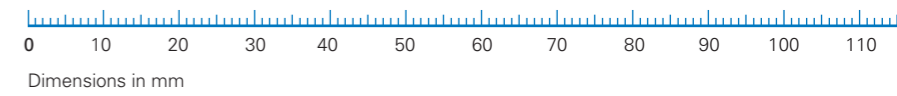


Panel mount straight barb

Tube size inch	Tube size metric	non-valved		valved	
		part number	part number	part number	part number
1/4" ID	6.4 mm ID	APC16004	APCD16004		
5/16" ID	7.9 mm ID	APC12005	APCD12005		
3/8" ID	9.5 mm ID	APC16006	APCD16006		

Plugs

APC series
nominal diameter 6.4 mm,
Delrin acetal



Tapered pipe thread

Thread size	non-valved		valved	
	part number	part number	part number	part number
1/4" NPT	APC24004	APCD24004		
1/4" BSPT	APC24004BSPT	APCD24004BSPT		
3/8" NPT	APC24006	APCD24006		
3/8" BSPT	APC24006BSPT	APCD24006BSPT		



In-line PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved		valved	
		part number	part number	part number	part number
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	APC20004	APCD20004		
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	APC20006	APCD20006		
	8 mm OD 6 mm ID	APC200M8	APCD200M8		
	10 mm OD 8 mm ID	APC200M10	APCD200M10		

* observe inner and outer tube diameters!



In-line straight barb

Tube size inch	Tube size metric	non-valved		valved	
		part number	part number	part number	part number
1/4" ID	6.4 mm ID	APC22004	APCD22004		
3/8" ID	9.5 mm ID	APC22006	APCD22006		



Elbow PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	non-valved		valved	
		part number	part number	part number	part number
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	APC21004	APCD21004		
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	APC21006	APCD21006		

* observe inner and outer tube diameters!



Elbow straight barb

Tube size inch	Tube size metric	non-valved		valved	
		part number	part number	part number	part number
1/4" ID	6.4 mm ID	APC23004	APCD23004		
3/8" ID	9.5 mm ID	APC23006	APCD23006		

Coupling bodies

EFC12 series nominal diameter 7.2 mm, polypropylene

EFC couplings are quick couplings made in polypropylene. Due to their greater nominal diameter, they cater for greater flows than PLC or APC couplings. As is typical for CPC quick couplings, the products of this series are designed for

easy safe connecting and disconnecting. EFC couplings are particularly suitable for acids and darkroom chemicals.



Tapered pipe thread

Thread size inch	non-valved	valved
1/4" NPT	—	EFC10412
3/8" NPT	—	EFC10612



Shut-off coupling straight barb

Tube size inch	Tube size metric	valved
1/4" ID	6.4 mm ID	EFC16412
3/8" ID	9.5 mm ID	EFC16612

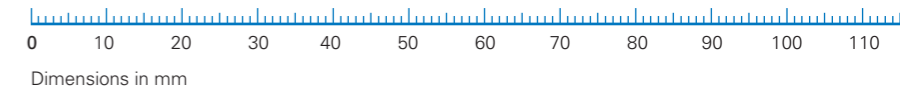


In-line straight barb

Tube size inch	Tube size metric	valved
1/4" ID	6.4 mm ID	EFC17412
3/8" ID	9.5 mm ID	EFC17612

Plugs

EFC12 series
nominal diameter 7.2 mm,
polypropylene



Tapered pipe thread

Thread size inch	non-valved	valved
1/4" NPT	—	EFC24412
3/8" NPT	—	EFC24612



In-line, straight barb

Tube size inch	Tube size metric	non-valved	valved
1/4" ID	6.4 mm ID	EFC22412	EFC22412
3/8" ID	9.5 mm ID	EFC22612	EFC22612



Elbow straight barb

Tube size inch	Tube size metric	non-valved	valved
1/4" ID	6.4 mm ID	EFC23412	EFC23412
3/8" ID	9.5 mm ID	EFC23612	EFC23612

Coupling bodies

HFC12 series nominal diameter 9.6 mm, polypropylene

HFC quick couplings cater for particularly high flows. The main features of the HFC couplings are optimised flow, ergonomic design and low weight. They are available in polypropylene, polysulfone and in a UV-resistant material. HFC

couplings are recommended for all applications with water, acids, alkaline substances and most other chemicals.



Tapered male thread

Thread size inch	non-valved	valved
3/8" NPT	HFC10612	HFCD10612
3/8" BSPT	HFC10612 BSPT	HFCD10612 BSPT
1/2" NPT	HFC10812	HFCD10812
3/4" NPT	HFC101212	HFCD101212



Shut-off coupling straight barb

Tube size inch	Tube size metric	non-valved	valved
3/8" ID	9.5 mm ID	HFC16612	HFCD16612
1/2" ID	12.7 mm ID	HFC16812	HFCD16812
5/8" ID	15.9 mm ID	HFC161012	HFCD161012
3/4" ID	19 mm ID	HFC161212	HFCD161212



In-line straight barb

Tube size inch	Tube size metric	non-valved	valved
3/8" ID	9.5 mm ID	HFC17612	HFCD17612
1/2" ID	12.7 mm ID	HFC17812	HFCD17812
5/8" ID	15.9 mm ID	HFC171012	HFCD171012
3/4" ID	19 mm ID	HFC171212	HFCD171212

Plugs

HFC12 series nominal diameter 9.6 mm, polypropylene



0 10 20 30 40 50 60 70 80 90 100 110
Dimensions in mm



Tapered pipe male thread

Thread size inch	non-valved	valved
3/8" NPT	HFC24612	HFCD24612
3/8" BSPT	HFC24612 BSPT	HFCD24612 BSPT
1/2" NPT	HFC24812	HFCD24812
3/4" NPT	HFC241212	HFCD241212



In-line straight barb

Tube size inch	Tube size metric	non-valved	valved
3/8" ID	9.5 mm ID	HFC22612	HFCD22612
1/2" ID	12.7 mm ID	HFC22812	HFCD22812
5/8" ID	15.9 mm ID	HFC221012	HFCD221012
3/4" ID	19 mm ID	HFC221212	HFCD221212



Elbow straight barb

Tube size inch	Tube size metric	non-valved	valved
3/8" ID	9.5 mm ID	HFC23612	HFCD23612
1/2" ID	12.7 mm ID	HFC23812	HFCD23812
3/4" ID	19 mm ID	HFC231212	HFCD231212

NEW



Panel mount straight barb

Tube size Inch	Tube size metric	non-valved	valved
3/8" ID	9.5 mm ID	HFC42612	HFCD42612
1/2" ID	12.7 mm ID	HFC42812	HFCD42812
5/8" ID	15.9 mm ID	HFC421012	HFCD421012
3/4" ID	19 mm ID	HFC421212	HFCD421212

NEW



Elbow with Panel mount straight barb

Tube size Inch	Tube size metric	non-valved	valved
3/8" ID	9.5 mm ID	HFC43612	HFCD43612
1/2" ID	12.7 mm ID	HFC43812	HFCD43812
3/4" ID	19 mm ID	HFC431212	HFCD431212

Coupling bodies

HFC35 series nominal diameter 9.6 mm, polysulfone



Tapered pipe male thread

Thread size inch	non-valved	valved
3/8" NPT	HFC10635	HFCD10635
3/8" BSPT	HFC10635BSPT	HFCD10635BSPT
1/2" NPT	HFC10835	HFCD10835
1/2" BSPT	HFC10835BSPT	HFCD10835BSPT
3/4" NPT	HFC101235	HFCD101235
3/4" BSPT	HFC101235BSPT	HFCD101235BSPT
3/4" GHT	HFC101235GHT	HFCD101235GHT



Parallel pipe female thread

Thread size inch	non-valved	valved
3/4" GHT	HFC191235GHT	HFCD191235GHT
3/4" BSPP	HFC191235BSPP	HFCD191235BSPP



Shut-off coupling straight barb

Tube size inch	Tube size metric	non-valved	valved
3/8" ID	9.5 mm ID	HFC16635	HFCD16635
1/2" ID	12.7 mm ID	HFC16835	HFCD16835
5/8" ID	15.9 mm ID	HFC161035	HFCD161035
3/4" ID	19 mm ID	HFC161235	HFCD161235

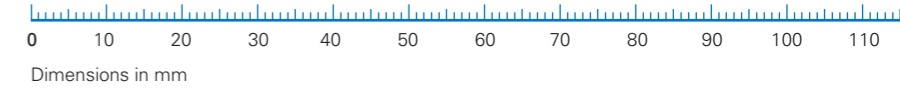


In-line straight barb

Tube size inch	Tube size metric	non-valved	valved
3/8" ID	9.5 mm ID	HFC17635	HFCD17635
1/2" ID	12.7 mm ID	HFC17835	HFCD17835
5/8" ID	15.9 mm ID	HFC171035	HFCD171035
3/4" ID	19 mm ID	HFC171235	HFCD171235

Plugs

HFC35 series
nominal diameter 9.6 mm,
polysulfone



Tapered pipe male thread

Thread size inch	non-valved	valved
3/8" NPT	HFC24635	HFCD24635
3/8" BSPT	HFC24635BSPT	HFCD24635BSPT
1/2" NPT	HFC24835	HFCD24835
1/2" BSPT	HFC24835BSPT	HFCD24835BSPT
3/4" NPT	HFC241235	HFCD241235
3/4" BSPT	HFC241235BSPT	HFCD241235BSPT
3/4" GHT	HFC241235GHT	HFCD241235GHT



Parallel pipe female thread

Thread size inch	non-valved	valved
3/4" GHT	HFC261235GHT	HFCD261235GHT
3/4" BSPP	HFC261235BSPP	HFCD261235BSPP



In-line straight barb

Tube size inch	Tube size metric	non-valved	valved
3/8" ID	9.5 mm ID	HFC22635	HFCD22635
1/2" ID	12.7 mm ID	HFC22835	HFCD22835
5/8" ID	15.9 mm ID	HFC221035	HFCD221035
3/4" ID	19 mm ID	HFC221235	HFCD221235



Elbow straight barb

Tube size inch	Tube size metric	non-valved	valved
3/8" ID	9.5 mm ID	HFC23635	HFCD23635
1/2" ID	12.7 mm ID	HFC23835	HFCD23835

Coupling bodies

HFC57 series nominal diameter 9.6 mm, polysulfone, UV-resistant



Tapered pipe male thread

Thread size inch	non-valved	valved
3/8" BSPT	HFC10657BSPT	HFCD10657BSPT
1/2" NPT	HFC10857	HFCD10857
1/2" BSPT	HFC10857BSPT	HFCD10857BSPT
3/4" BSPT	HFC101257BSPT	HFCD101257BSPT
3/4" GHT	HFC101257GHT	HFCD101257GHT



Parallel pipe female thread

Thread size inch	non-valved	valved
3/4" GHT	HFC191257GHT	HFCD191257GHT
3/4" BSPP	HFC191257BSPP	HFCD191257BSPP



Shut-off coupling straight barb

Tube size inch	Tube size metric	non-valved	valved
3/8" ID	9.5 mm ID		HFCD16657
1/2" ID	12.7 mm ID		HFCD16857
5/8" ID	15.9 mm ID		HFCD161057
3/4" ID	19 mm ID		HFCD161257



In-line straight barb

Tube size inch	Tube size metric	non-valved	valved
3/8" ID	9.5 mm ID	HFC17657	HFCD17657
1/2" ID	12.7 mm ID	HFC17857	HFCD17857
5/8" ID	15.9 mm ID	HFC171057	HFCD171057
3/4" ID	19 mm ID	HFC171257	HFCD171257

Plugs

HFC57 series nominal diameter 9.6 mm, polysulfone, UV-resistant



0 10 20 30 40 50 60 70 80 90 100 110
Dimensions in mm



Tapered pipe male thread

Thread size inch	non-valved	valved
3/8" BSPT	HFC24657BSPT	HFCD24657BSPT
1/2" BSPT	HFC24857BSPT	HFCD24857BSPT
1/2" NPT	HFC24857	HFCD24857
3/4" BSPT	HFC241257BSPT	HFCD241257BSPT
3/4" GHT	HFC241257GHT	HFCD241257GHT



Parallel pipe female thread

Thread size inch	non-valved	valved
3/4" GHT	HFC261257GHT	HFCD261257GHT
3/4" BSPP	HFC261257BSPP	HFCD261257BSPP



In-line straight barb

Tube size inch	Tube size metric	non-valved	valved
3/8" ID	9.5 mm ID	HFC22657	HFCD22657
1/2" ID	12.7 mm ID	HFC22857	HFCD22857
5/8" ID	15.9 mm ID	HFC221057	HFCD221057
3/4" ID	19 mm ID	HFC221257	HFCD221257

Coupling bodies

FFC35 series nominal diameter 12.7 mm, polysulfone

The FFC35 series has been designed for extra high flow. The external design corresponds to that of the HFC series, while the inside features a much larger flow bore. The FFC quick couplings are thus only available as non-valved couplings and are made entirely from polysulfone.

FFC quick couplings are widely used in cooling circuits and mobile devices with water supply connections.



Tapered pipe male thread

Thread size inch	non-valved	
1/2" NPT	FFC10835	
1/2" BSPT	FFC10835BSPT	
3/4" NPT	FFC101235	
3/4" BSPT	FFC101235BSPT	
3/4" GHT	FFC101235GHT	



Parallel pipe female thread

Thread size inch	non-valved	
3/4" GHT	FFC191235GHT	
3/4" BSPP	FFC191235BSPP	



Shut-off coupling straight barb

Tube size inch	Tube size metric	non-valved
3/4" ID	19 mm ID	FFC161235



In-line straight barb

Tube size inch	Tube size metric	non-valved
3/4" ID	19 mm ID	FFC171235

Plugs

FFC35 series nominal diameter 12.7 mm, polysulfone



0 10 20 30 40 50 60 70 80 90 100 110
Dimensions in mm



Tapered pipe male thread

Thread size inch	non-valved
1/2" NPT	FFC24835
1/2" BSPT	FFC24835BSPT
3/4" NPT	FFC241235
3/4" BSPT	FFC241235BSPT
3/4" garden hose	FFC241235GHT



Parallel pipe female thread

Thread size inch	non-valved
3/4" garden hose	FFC261235GHT
3/4" garden hose metric	FFC261235BSPP



In-line straight barb

Tube size inch	Tube size metric	non-valved
3/4" ID	19 mm ID	FFC221235

Coupling bodies

CQH06 series nominal diameter 9.6 mm, virgin PP
CQG06 series nominal diameter 9.6 mm, virgin PP, PEEK spring (not in flow path)

NEW

The CQH and CQG ChemQuick couplings are special products designed for high-purity applications in the semiconductor industry where they are used for critical acids and ultra-pure water. The plugs and valved bodies feature a PEEK spring. The housings of the CQH couplings are made from virgin polypropylene, while those of the CQV series are made in PVDF. The CQG series offers coupling versions made from virgin PP with spring-free flow path and PEEK spring.



Shut-off coupling
flare coupling
with male thread

Tube size/thread inch	non-valved	CQH006 valved	CQG006 valved
1/4" flare		CQHD06110104	
3/8" flare		CQHD06110106	
1/2" flare		CQHD06110108	
3/8" NPT		CQHD06110206	



In-line
flare coupling
with male thread

Tube size/thread inch	non-valved	CQH006 valved	CQG006 valved
1/4" flare		CQHD06100104	
3/8" flare		CQHD06100106	CQGD06100106
1/2" flare		CQHD06100108	CQGD06100108
3/4" flare			CQGD06100112
3/8" NPT		CQHD06100206	CQGD06100206

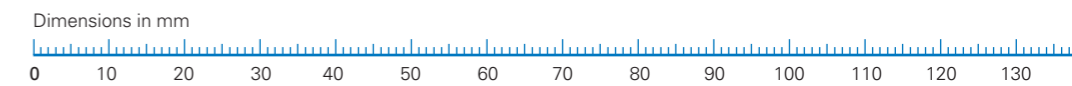
Plugs

CQH06 series nominal diameter 9.6 mm, virgin PP
CQG06 series nominal diameter 9.6 mm, virgin PP, PEEK spring (not in flow path)



In-line
flare coupling
tapered male thread

Tube size inch	non-valved	CQHD06 valved	CQGD06 valved
1/4" flare		CQHD06200104	
3/8" flare		CQHD06200106	CQGD06200106
1/2" flare		CQHD06200108	CQGD06200108
3/4" flare			CQGD06200112
3/8" NPT		CQHD06200206	CQGD06200206
1/2" NPT			CQGD06200208
3/4" NPT		CQHD0620012	CQGD06200212



Accessories

Accessory	Designation
CQG panel mount adapter kit for coupling and plug	CQG06PMKIT01

Coupling bodies

NEW

NS1 series nominal diameter 1.2 mm, glass-filled polypropylene

The NS1 series is the smallest of the new non-spill coupling ranges from CPC. The innovative valve mechanism allows for drip-free disconnection. NS1 coupling bodies and plugs are made

from glass-filled polypropylene and feature EPDM O-rings and stainless steel springs. The release latch is made from PEEK.



In-line
1/4 - 28 female thread

Tube size		valved
inch	metric	
1/8" OD*	3.2 mm	NS1D19042812

*or smaller with 1/4 - 28 nut and 1/4 - 28 inserts. See page 220, PMC12 series.



In-line
straight barb

Tube size		valved
inch	metric	
1/8" ID	3.2 mm ID	NS1D170212



1/4-28 Male thread

Tube size		valved
inch	metric	
1/4 -28 male	-----	NS1D10042812

Plugs

NS1 series nominal diameter 1.2 mm, glass-filled polypropylene



In-line
1/4 - 28 female thread

Tube size		valved
inch	metric	
1/8" OD*	3.2 mm	NS1D2604812

* or smaller with 1/4 - 28 nut and 1/4 - 28 inserts. See page 221, PMC12 series.



In-line
straight barb

Tube size		valved
inch	metric	
1/8" ID	3.2 mm	NS1D22012



1/4-28 Male thread

Tube size		valved
inch	metric	
1/4 -28 male	-----	NS1D24042812



Dimensions in mm



Coupling bodies

NEW

NS2 series nominal diameter 3.2 mm, glass-filled polypropylene

The NS2 series is the second smallest of the new non-spill quick coupling ranges from CPC. The innovative valve mechanism allows for drip-free disconnection. The NS2 couplings are particularly recommended for the handling of hazardous chemicals or for

applications with electronic components in the flow path. NS2 coupling bodies and plugs are made from glass-filled polypropylene with EPDM sealing elements and stainless steel springs.



Tapered pipe thread

Thread size	Thread size/ Tube size, metric	Designation valved, non-spill
1/8" NPT		NS2D100212



In-line PTF Polytube fitting, ferruleless*

Tube size, inch	Thread size/ Tube size, metric	Designation valved, non-spill
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	NS2D130412

* observe inner and outer tube diameters!



In-line straight barb

Tube size, inch	Thread size/ Tube size, metric	Designation valved, non-spill
1/8" ID	3.2 mm ID	NS2D170212
1/4" ID	6.4 mm ID	NS2D170412



Panel mount PTF Polytube fitting, ferruleless*

Tube size, inch	Thread size/ Tube size, metric	Designation valved, non-spill
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	NS2D120412

* observe inner and outer tube diameters!



Panel mount straight barb

Tube size, inch	Thread size/ Tube size, metric	Designation valved, non-spill
1/8" ID	3.2 mm ID	NS2D160212
1/4" ID	6.4 mm ID	NS2D160412

Plugs

NS2 series nominal diameter 3.2 mm, glass-filled polypropylene



Dimensions in mm



Tapered pipe thread

Thread size	Thread size/ Tube size, metric	Designation valved, non-spill
1/8" NPT		NS2D240212



In-line PTF Polytube fitting, ferruleless*

Tube size, inch	Thread size/ Tube size, metric	Designation valved, non-spill
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	NS2D200412

* observe inner and outer tube diameters!



In-line straight barb

Tube size, inch	Thread size/ Tube size, metric	Designation valved, non-spill
1/8" ID	3.2 mm ID	NS2D220212
1/4" ID	6.4 mm ID	NS2D220412

Accessories

Accessory	Material	Designation
Panel mount seal	Buna-N	1830300

Coupling bodies

NEW

NS4 series nominal diameter 6.4 mm, glass-filled polypropylene

The NS4 series is the most compact version of the new non-spill quick coupling series from CPC. The innovative valve mechanism allows for drip-free disconnection. The NS4 couplings therefore are particularly recommended for the handling of hazardous chemicals or for applica-

tions that include electronic components in the flow path. NS4 coupling bodies and plugs are made from glass-filled polypropylene with EPDM O-rings and stainless steel springs.



Tapered pipe thread

Thread size	Designation
1/4" NPT	NS4D10004
1/4" BSPT	NS4D10004BSPT



In-line PTFE Polytube fitting, ferruleless*

Tube size inch	Tube size metric	Designation
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	NS4D13004
3/8" OD 1/4" ID	9.6 mm OD 6.4 mm ID	NS4D13006

* observe inner and outer tube diameters!



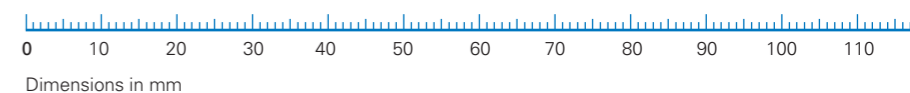
In-line straight barb

Tube size inch	Tube size metric	Designation
1/8" ID	3.2 mm ID	NS4D17002
1/4" ID	6.4 mm ID	NS4D17004
3/8" ID	9.6 mm ID	NS4D17006

Standard colour: grey
Available in red and blue against setup charge or minimum order quantity 50 units



Plugs



Tapered pipe thread

Thread size inch	Designation
1/4" NPT	NS4D24004
1/4" BSPT	NS4D24004BSPT



In-line PTFE Polytube fitting, ferruleless*

Tube size inch	Tube size metric	Designation
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	NS4D20004
3/8" OD .4" ID	9.6 mm OD 6.4 mm ID	NS4D20006

* observe inner and outer tube diameters!



In-line straight barb

Tube size inch	Tube size metric	Designation
1/8" ID	3.2 mm ID	NS4D22002
1/4" ID	6.4 mm ID	NS4D22004
3/8" ID	9.6 mm ID	NS4D22006



Panel mount PTFE Polytube fitting, ferruleless*

Tube size inch	Tube size metric	Designation
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	NS4D40004
3/8" OD 1/4" ID	9.6 mm OD 6.4 mm ID	NS4D40006

* observe inner and outer tube diameters!



Panel mount straight barb

Tube size inch	Tube size metric	Designation
1/8" ID	3.2 mm ID	NS4D42002
1/4" ID	6.4 mm ID	NS4D42004
3/8" ID	9.6 mm ID	NS4D42006



Elbow straight barb

Tube size inch	Tube size metric	Designation
1/4" ID	6.4 mm ID	NS4D23004
3/8" ID	9.6 mm ID	NS4D23006



Elbow Panel mount straight barb

Tube size inch	Tube size metric	Designation
1/4" ID	6.4 mm ID	NS4D43004
3/8" ID	9.6 mm ID	NS4D43006

Accessories

Accessory	Material	Designation
Panel mount seal	EPDM	1879800
Panel mount seal	FKM	1889500

Coupling bodies

NEW

NS6 series nominal diameter 9.6 mm, glass-filled polypropylene

The NS6 series is part of the non-spill CPC quick coupling range. Larger than the NS4 series, it caters for excellent flow rates. The innovative valve mechanism allows for drip-free disconnection. The NS6 couplings are particularly recommended for the handling of hazardous chemicals or for applications that include electronic components

in the flow path. NS6 coupling bodies and plugs are made from glass-filled polypropylene with EPDM O-rings and stainless steel springs.



Tapered pipe thread

Thread size inch	Designation valved, non-spill
1/2" NPT	NS6D10008
1/2" BSPT	NS6D10008BSPT



In-line PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	Designation valved, non-spill
1/2" OD 3/8" ID	12.7 mm OD 9.6 mm ID	NS6D13008

* observe inner and outer tube diameters!



In-line straight barb

Tube size inch	Tube size metric	Designation valved, non-spill
3/8" ID	9.6 mm ID	NS6D17006
1/2" ID	12.7 mm ID	NS6D17008

Standard colour: grey
Available in red and blue against setup charge
or minimum order quantity 50 units



Plugs

NS6 series
nominal diameter
9.6 mm, glass-filled
polypropylene



Dimensions in mm



Tapered pipe thread

Thread size inch	Designation valved, non-spill
1/2" NPT	NS6D24008
1/2" BSPT	NS6D24008BSPT



In-line PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	Designation valved, non-spill
1/2" OD 3/8" ID	12.7 mm OD 9.6 mm ID	NS6D20008

* observe inner and outer tube diameters!



In-line straight barb

Tube size inch	Tube size metric	Designation valved, non-spill
3/8" ID	9.6 mm ID	NS6D22006
1/2" ID	12.7 mm ID	NS6D22008



Panel mount PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	Designation valved, non-spill
1/2" OD 3/8" ID	12.7 mm OD 9.6 mm ID	NS6D40008

* observe inner and outer tube diameters!



Panel mount straight barb

Tube size inch	Tube size metric	Designation valved, drip-free
3/8" ID	9.6 mm ID	NS6D42006
1/2" ID	12.7 mm ID	NS6D42008

Accessories

Accessory	Material	Designation
Panel mount seal	EPDM	1884300
Panel mount seal	FKM	1889600

Coupling bodies

NEW

NSH series nominal diameter 12.7 mm, glass-filled polypropylene

The NSH series is the largest of the new non-spill CPC quick coupling models, offering excellent flow rates. The innovative valve design guarantees drip-free disconnection. NSH coupling bodies and plugs are made from glass-filled polypropylene with EPDM O-rings and stainless steel springs. The stainless steel spring is isolated from the flow path and thus does not come into

contact with the flow medium. The NSH couplings are therefore particularly recommended for the handling of hazardous chemicals or for applications that include electronic components in the flow path that need to be protected from spillage loss.



Tapered male thread

Thread size inch	Designation valved, non-spill
3/8" NPT female	NSHD19006
3/8" BSPT	NSHD10006BSPT
1/2" NPT	NSHD10008
3/4" NPT	NSHD10012



In-line PTFE Polytube fitting, ferruleless*

Tube size inch	Tube size metric	Designation valved, non-spill
3/8" OD 1/4" ID	9.6 mm OD 6.4 mm ID	NSHD13006
1/2" OD 3/8" ID	12.7 mm OD 9.6 mm ID	NSHD13008

* observe inner and outer tube diameters!



In-line straight barb

Tube size inch	Tube size metric	Designation valved, non-spill
3/8" ID	9.5 mm ID	NSHD17006
1/2" ID	12.7 mm ID	NSHD17008
5/8" ID	15.9 mm ID	NSHD17010
3/4" ID	19.0 mm ID	NSHD17012

Standard colour: grey
Available in red and blue against setup charge or minimum order quantity 50 units



Dimensions in mm

Plugs

NSH series nominal diameter 12.7 mm, glass-filled polypropylene



Tapered pipe thread

Thread size inch	Designation valved, non-spill
3/8" NPT female	NSHD26006
3/8" BSPT	NSHD24006BSPT
1/2" NPT	NSHD24008
3/4" NPT	NSHD24012



In-line PTFE Polytube fitting, ferruleless*

Tube size inch	Tube size metric	Designation valved, non-spill
3/8" OD 1/4" ID	9.6 mm OD 6.4 mm ID	NSHD20006
1/2" OD 3/8" ID	12.7 mm OD 9.6 mm ID	NSHD20008

* observe inner and outer tube diameters!



In-line straight barb

Tube size inch	Tube size metric	Designation valved, non-spill
3/8" ID	9.6 mm ID	NSHD22006
1/2" ID	12.7 mm ID	NSHD22008
5/8" ID	15.9 mm ID	NSHD22010
3/4" ID	19.0 mm ID	NSHD22012

Accessories

Accessory	Material	Designation
Panel mount seal	PP, glass-filled	NSH PMKIT 12
Seal plugs	PP, glass-filled	1800700



Panel mount kit

Coupling bodies

NEW

MC series nominal diameter 3.2 mm, chrome-plated brass or stainless steel

MC series couplings are made in chrome-plated brass or stainless steel couplings for a long service life. Their design otherwise corresponds to that of the PMC series made in plastic. The

brass material offers however applications at higher temperatures or pressures. MC couplings are widely used for applications where sturdiness and durability are essential.



Tapered male thread

Thread size inch	chrome-plated brass		stainless steel valved
	non-valved	valved	
1/8" NPT	MC1002	MCD1002	MCD1002-SST
1/8" BSPT	MC1002BSPT	MCD1002BSPT	
1/4" NPT	MC1004	MCD1004	
1/4" BSPT	MC1004BSPT	MCD1004BSPT	



Panel mount PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
5/32" OD .10" ID	4 mm OD 2.5 mm ID	MC12025	MCD12025	
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	MC1204	MCD1204	

* observe inner and outer tube diameters!



Panel mount straight barb

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
1/8" ID	3.2 mm ID	MC1602	MCD1602	
3/16" ID	4.8 mm ID	MC1603	MCD1603	
1/4" ID	6.4 mm ID	MC1604	MCD1604	MCD1604-SST



Panel mount Female thread

Thread size inch	chrome-plated brass		stainless steel valved
	non-valved	valved	
10-32 UNF	MC181032	MCD181032	



Panel mount Male thread

Thread size inch	chrome-plated brass		stainless steel valved
	non-valved	valved	
1/8" NPT	MC1502	MCD1502	



In-line PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	MC1304	MCD1304	MCD1304-SST

* observe inner and outer tube diameters!



In-line straight barb

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
1/8" ID	3.2 mm ID	MC1702	MCD1702	MCD1702-SST
3/16" ID	4.8 mm ID	MC1703	MCD1703	
1/4" ID	6.4 mm ID	MC1704	MCD1704	MCD1704-SST

Dimensions in mm



Plugs

MC series nominal diameter 3.2 mm, chrome-plated brass or stainless steel



Tapered male thread

Thread size inch	chrome-plated brass		stainless steel valved
	non-valved	valved	
1/8" NPT	MC2402	MCD2402	MCD2402-SST
1/8" BSPT	MC2402BSPT	MCD2402BSPT	
1/4" NPT	MC2404	MCD2404	



Tapered pipe female thread

Thread size inch	chrome-plated brass		stainless steel valved
	non-valved	valved	
1/8" NPT female	MC2602	MCD2602	
1/4" NPT female	MC2604	MCD2604	
1/4" NPT female	MC2604BSPP	MCD2604BSPP	



Panel mount PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	MC4004	MCD4004	

* observe inner and outer tube diameters!



Panel mount straight barb

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
1/8" ID	3.2 mm ID	MC4202	MCD4202	
3/16" ID	4.8 mm ID	MC4203	MCD4203	
1/4" ID	6.4 mm ID	MC4204	MCD4204	MCD4204-SST



In-line PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
5/32" OD .10" ID	4 mm OD 2.5 mm ID	MC20025	MCD20025	
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	MC2004	MCD2004	MCD2004-SST
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	MC2006	MCD2006	

* observe inner and outer tube diameters!



In-line straight barb

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
1/8" ID	3.2 mm ID	MC2202	MCD2202	MCD2202-SST
3/16" ID	4.8 mm ID	MC2203	MCD2203	
1/4" ID	6.4 mm ID	MC2204	MCD2204	MCD2204-SST



In-line female thread

Thread size inch	chrome-plated brass		stainless steel valved
	non-valved	valved	
10-32 UNF	MC281032	MCD281032	



Elbow PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
5/32" OD .10" ID	4 mm OD 2.5 mm ID	MC21025	MCD21025	
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	MC2104	MCD2104	

* observe inner and outer tube diameters!



Elbow straight barb

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
1/8" ID	3.2 mm ID	MC2302	MCD2302	
1/4" ID	6.4 mm ID	MC2304	MCD2304	MCD2304-SST

Coupling bodies

NEW

LC series nominal diameter 6.4 mm, chrome-plated brass or stainless steel

Like the MC series, the LC couplings from CPC are chrome-plated brass couplings designed for use under adverse conditions. LC coupling bodies and plugs are interchangeable with the

respective mating parts of the PLC series. For high-temperature applications, the LC couplings are available with special valves and O-rings.



Tapered pipe thread

Thread size inch	chrome-plated brass		NEW stainless steel valved
	non-valved	valved	
1/4" NPT	LC10004	LCD10004	LCD10004-SST
1/4" BSPT	LC10004BSPT	LCD10004BSPT	LCD10004BSPT-SST
3/8" NPT	LC10006	LCD10006	LCD10006-SST
3/8" BSPT	LC10006BSPT	LCD10006BSPT	



Panel mount PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	LC12004	LCD12004	
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	LC12006	LCD12006	LCD12006-SST

* observe inner and outer tube diameters!



Panel mount straight barb

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
1/4" ID	6.4 mm ID	LC16004	LCD16004	
5/16" ID	7.9 mm ID	LC16005	LCD16005	
3/8" ID	9.5 mm ID	LC16006	LCD16006	LCD16006-SST



Tapered male thread

Thread size inch	chrome-plated brass		stainless steel valved
	non-valved	valved	
1/4" NPT	LC15004	LCD15004	



In-line PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	LC13004	LCD13004	
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	LC13006	LCD13006	LCD13006-SST

* observe inner and outer tube diameters!



In-line straight barb

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
1/4" ID	6.4 mm ID	LC17004	LCD17004	
5/16" ID	7.9 mm ID	LC17005	LCD17005	LCD17005-SST
3/8" ID	9.5 mm ID	LC17006	LCD17006	LCD17006-SST

Dimensions in mm



Plugs

LC series nominal diameter 6.4 mm, chrome-plated brass or stainless steel



Tapered pipe thread

Thread size inch	chrome-plated brass		NEW stainless steel valved
	non-valved	valved	
1/4" NPT	LC24004	LCD24004	LCD24004-SST
1/4" BSPT	LC24004BSPT	LCD24004BSPT	
3/8" NPT	LC24006	LCD24006	LCD24006-SST
3/8" BSPT	LC24006BSPT	LCD24006BSPT	



Tapered pipe female thread

Thread size inch	chrome-plated brass		stainless steel valved
	non-valved	valved	
1/4" NPT female	LC26004	LCD26004	
1/4" BSPP female	LC26004BSPP	LCD26004BSPP	



Panel mount PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	LC40004	LCD40004	
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	LC40006	LCD40006	LCD40006-SST

* observe inner and outer tube diameters!



Panel mount straight barb

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
1/4" ID	6.4 mm ID	LC42004	LCD42004	
5/16" ID	7.9 mm ID	LC42005	LCD42005	
3/8" ID	9.5 mm ID	LC42006	LCD42006	LCD42006-SST



In-line PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	LC20004	LCD20004	
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	LC20006	LCD20006	LCD20006-SST

* observe inner and outer tube diameters!



In-line straight barb

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
1/4" ID	6.4 mm ID	LC22004	LCD22004	
5/16" ID	7.9 mm ID	LC22005	LCD22005	LCD22005-SST
3/8" ID	9.5 mm ID	LC22006	LCD22006	LCD22006-SST



Elbow PTF Polytube fitting, ferruleless*

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
1/4" OD .17" ID	6.4 mm OD 4.3 mm ID	LC21004	LCD21004	
3/8" OD .25" ID	9.5 mm OD 6.4 mm ID	LC21006	LCD21006	

* observe inner and outer tube diameters!



Elbow straight barb

Tube size inch	Tube size metric	chrome-plated brass		stainless steel valved
		non-valved	valved	
1/4" ID	6.4 mm ID	LC23004	LCD23004	
3/8" ID	9.5 mm ID	LC23006	LCD23006	

Coupling bodies

NEW

LQ2-series chrome-plated brass or PPSU (Polyphenylsulfone)

The closed-system design of the LQ2 series provides ultra-reliable, drip-free tube connections with patented valve technology designed for frequent connect/disconnect. The redundant double sealing mechanism of

the plug coupling remains drip-free even during long sealing times. These couplings have been specifically designed for use in liquid cooling applications. LQ2 coupling bodies and plugs are available in red or blue.



In-Line
straight barb

Thread Inch	Tube size metric	Designation chrome-plated brass	NEW PPSU (Polyphenylsulfone)
1/4" ID	6,4 mm ID	LQ2D1704LRED	PLQ2D1704LRED
1/4" ID	6,4 mm ID	LQ2D1704LBLU	PLQ2D1704LBLU



In-Line
straight barb



In-Line
SAE-thread

Thread Inch	Tube size metric	Designation chrome-plated brass	NEW PPSU (Polyphenylsulfone)
1/4" SAE-4		LQ2D3004RED	PLQ2D3004RED
1/4" SAE-4		LQ2D3004BLU	PLQ2D3004BLU



In-Line
SAE-thread



Elbow
straight barb

Thread Inch	Tube size metric	Designation chrome-plated brass	NEW PPSU (Polyphenylsulfone)
1/4" ID	6,4 mm ID	LQ2D3304LRED	PLQ2D3304LRED
1/4" ID	6,4 mm ID	LQ2D3304LBLU	PLQ2D3304LBLU



In-Line
Threat G / BSPP

Thread Inch	Tube size metric	Designation chrome-plated brass	NEW PPSU (Polyphenylsulfone)
G1/8		LQ2D3102RED	PLQ2D3102RED
G1/8		LQ2D3102BLU	PLQ2D3102BLU

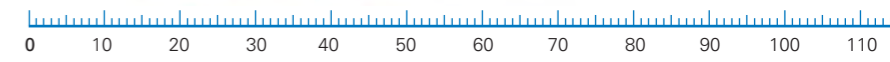


In-Line
Threat G / BSPP



Plugs

LQ2-series chrome-plated brass or PPSU (Polyphenylsulfone)



Dimensions in mm



In-Line
straight barb

Thread Inch	Tube size metric	Designation chrome-plated brass	NEW PPSU (Polyphenylsulfone)
1/4" ID	6,4 mm ID	LQ2D2204LRED	PLQ2D2204LRED
1/4" ID	6,4 mm ID	LQ2D2204LBLU	PLQ2D2204LBLU



In-Line
straight barb



In-Line
SAE-thread

Thread Inch	Tube size metric	Designation chrome-plated brass	NEW PPSU (Polyphenylsulfone)
1/4" SAE-4		LQ2D4604RED	PLQ2D4604RED
1/4" SAE-4		LQ2D4604BLU	PLQ2D4604BLU



In-Line
SAE-thread



Elbow
straight barb

Thread Inch	Tube size metric	Designation chrome-plated brass	NEW PPSU (Polyphenylsulfone)
1/4" ID	6,4 mm ID	LQ2D2304LRED	PLQ2D2304LRED
1/4" ID	6,4 mm ID	LQ2D2304LBLU	PLQ2D2304LBLU



In-Line
Threat G / BSPP

Thread Inch	Tube size metric	Designation chrome-plated brass	NEW PPSU (Polyphenylsulfone)
G1/8		LQ2D4702RED	PLQ2D4702RED
G1/8		LQ2D4702BLU	PLQ2D4702BLU



In-Line
Threat G / BSPP



Coupling bodies

NEW

LQ4 series chrome-plated brass

The closed-system design of the LQ4 series provides ultra-reliable, drip-free tube connections with patented valve technology designed for frequent connect/disconnect. The redundant double sealing mechanism of

the plug coupling remains drip-free even during long sealing times. These couplings have been specifically designed for use in liquid cooling applications. LQ4 coupling bodies and plugs are available in red or blue.



In-Line
straight barb

Thread inch	Tube size metric	Designation
1/4" ID	6,4 mm ID	LQ4D17004RED
		LQ4D17004BLU
3/8" ID	9,5 mm ID	LQ4D17006RED
		LQ4D17006BLU



In-Line
SAE thread

Thread inch	Tube size metric	Designation
1/4" SAE-4		LQ4D30004RED
		LQ4D30004BLU
3/8" SAE-6		LQ4D30006RED
		LQ4D30006BLU



In-Line
Pipe thread

Thread inch	Tube size metric	Designation
1/4" NPT		LQ4D10004RED
		LQ4D10004BLU
3/8" NPT		LQ4D10006RED
		LQ4D10006BLU



In-Line
PTF Polytube fitting,
ferruleless*

Thread inch	Tube size metric	Designation
1/4" ID x 3/8" AD	6,4 mm ID x 9.5 mm AD	LQ4D13006RED
		LQ4D13006BLU

* observe inner and outer tube diameters!

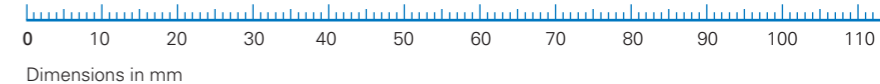


In-Line
Threat G / BSPP

Thread inch	Tube size metric	Designation
G1/4		LQ4D31004RED
		LQ4D31004BLU
G3/8		LQ4D31006RED
		LQ4D31006BLU

Plugs

LQ4 series chrome-plated brass



In-Line
straight barb

Thread inch	Tube size metric	Designation
1/4" ID	6,4 mm ID	LQ4D22004RED
		LQ4D22004BLU
3/8" ID	9,5 mm ID	LQ4D22006RED
		LQ4D22006BLU



In-Line
SAE thread

Thread inch	Tube size metric	Designation
1/4" SAE-4		LQ4D46004RED
		LQ4D46004BLU
3/8" SAE-6		LQ4D46006RED
		LQ4D46006BLU



In-Line
Pipe thread

Thread inch	Tube size metric	Designation
1/4" NPT		LQ4D24004RED
		LQ4D24004BLU
3/8" NPT		LQ4D24006RED
		LQ4D24006BLU



In-Line
PTF Polytube fitting,
ferruleless*

Thread inch	Tube size metric	Designation
1/4" ID x 3/8" AD	6,4 mm ID x 9.5 mm AD	LQ4D20006RED
		LQ4D20006BLU

* observe inner and outer tube diameters!



In-Line
Threat G / BSPP

Thread inch	Tube size metric	Designation
G1/4		LQ4D47004RED
		LQ4D47004BLU
G3/8		LQ4D47006RED
		LQ4D47006BLU

Coupling bodies

NEW

LQ6 series, chrome-plated brass

The closed-system design of the LQ6 series provides ultra-reliable, drip-free tube connections with patented valve technology designed for frequent connect/disconnect. The redundant double sealing mechanism of

the plug coupling remains drip-free even during long sealing times. These couplings have been specifically designed for use in liquid cooling applications. LQ6 coupling bodies and plugs are available in red or blue.



In-line
straight barb

Tube size inch	Tube size metric	Designation
3/8" ID	9.5 mm ID	LQ6D17006RED
3/8" ID	9.5 mm ID	LQ6D17006BLU
1/2" ID	12.7 mm ID	LQ6D17008RED
1/2" ID	12.7 mm ID	LQ6D17008BLU



In-line
SAE thread

Thread inch	Thread metric	Designation
3/8" SAE-6		LQ6D30006RED
3/8" SAE-6		LQ6D30006BLU
1/2" SAE-8		LQ6D30008RED
1/2" SAE-8		LQ6D30008BLU



In-line
Pipe thread

Thread inch	Thread metric	Designation
3/8" NPT		LQ6D10006RED
3/8" NPT		LQ6D10006BLU



In-line
PTF Polytube fitting,
ferruleless*

Tube size inch	Tube size metric	Designation
3/8" ID x 1/2" OD	9.5 mm ID x 12.5 mm OD	LQ6D13008RED
3/8" ID x 1/2" OD	9.5 mm ID x 12.5 mm OD	LQ6D13008BLU

* observe inner and outer tube diameters!

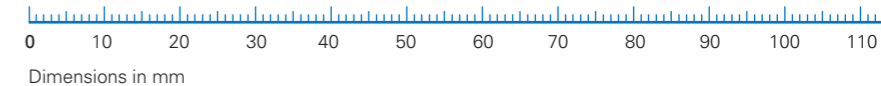


In-Line
Threat G / BSPP

Thread inch	Thread metric	Designation
G3/8		LQ6D31006BLU
G3/8		LQ6D31006RED
G1/2		LQ6D31008BLU
G1/2		LQ6D31008RED

Plugs

LQ6 series, chrome-plated brass, nominal diameter 9.6 mm



In-line
straight barb

Tube size inch	Tube size metric	Designation
3/8" ID	9.5 mm ID	LQ6D22006RED
3/8" ID	9.5 mm ID	LQ6D22006BLU
1/2" ID	12.7 mm ID	LQ6D22008RED
1/2" ID	12.7 mm ID	LQ6D22008BLU



In-line
SAE thread

Thread inch	Thread metric	Designation
3/8" SAE-6	9.5 mm ID	LQ6D46006RED
3/8" SAE-6	9.5 mm ID	LQ6D46006BLU
1/2" SAE-8	12.7 mm ID	LQ6D46008RED
1/2" SAE-8	12.7 mm ID	LQ6D46008BLU



In-line
Pipe thread

Thread inch	Thread metric	Designation
3/8" NPT		LQ6D24006RED
3/8" NPT		LQ6D24006BLU



In-line
PTF Polytube fitting,
ferruleless*

Tube size inch	Tube size metric	Designation
3/8" ID x 1/2" OD	9.5 mm ID x 12.5 mm OD	LQ6D20008RED
3/8" ID x 1/2" OD	9.5 mm ID x 12.5 mm OD	LQ6D20008BLU

* observe inner and outer tube diameters!



In-Line
Threat G / BSPP

Tube size inch	Tube size metric	Designation
G3/8		LQ6D47006RED
G3/8		LQ6D47006BLU
G1/2		LQ6D47008RED
G1/2		LQ6D47008BLU

Multi-tube connectors

Quick couplings for 2, 6 or 10 tubes

CPC quick couplings for 2, 6 or 10 tubes. The CPC multi-line couplings are available for tube sizes of 1/16" (1.6mm ID) and 1/8" (3,2mm ID).

They allow for the easy and quick connection and disconnection of separate fluid lines, preventing line confusion.



Twin Tube straight barb

Coupling

Tube size inch	Tube size metric	non-valved
1/16" ID	1.6 mm ID	PTC16010
1/8" ID	3.2 mm ID	PTC16020



Twin Tube straight barb

Plugs

Tube size inch	Tube size metric	non-valved
1/16" ID	1.6 mm ID	PTC22010
1/8" ID	3.2 mm ID	PTC22020



Six Tube body

Coupling

Tube size inch	Tube size metric	Acetal non-valved	Acetal valved	Polypropylene non-valved
1/16" ID	1.6 mm ID	SXM1701		SXM170112
	3 mm ID	SXM17M3		
1/8" ID	4 mm ID	SXM1702		SXM170212



Six Tube plug

Plugs

Tube size inch	Tube size metric	Acetal non-valved	Acetal valved	Polypropylene non-valved
1/16" ID	1.6 mm ID	SXF4201	SXFD4201	SXF420112
	3 mm ID	SXF42M3	SXFD42M3	
1/8" ID	4 mm ID	SXF4202	SXFD4202	SXF420212



Ten Tube Coupling, complete

Tube size inch	Tube size metric	Acetal non-valved	Acetal valved	Polypropylene non-valved
1/16" ID		TT1001	TTD1001	TT100112
	3 mm ID	TT10M3	TTD10M3	
1/8" ID	4 mm ID	TT1002	TTD1002	TT100212

Accessories and spare parts



Coupling body union nuts

Tube size inch	Order no.	Tube size metric	Order no.
5/32" ID	269700	4 mm ID	269700
1/4" ID	100800	8 mm ID	339500
3/8" ID	108900	10 mm ID	358400



Spare seals and O-rings

Coupling series	Buna-N	FKM	EPDM
MC, PMC	730800	730804	730803
LC, PLC, EFC, APC, Twin Tube™ large O-ring (1.78 mm cross-section)	731100	731104	731103
SMC, Twin Tube™ small O-ring	730600	730604	730603
HFC/FFC	731600	731604	731603
3FL		1262600	
5FL		1262700	

Flat seals for panel mount
HFC female thread seals

Coupling series	Order no.	Coupling series	Order no.
EFC	668400	HFC	931600 (vinyl)
FFC/HFC	621200	FFC	931601 (FDA Buna-N)



Panel mount nuts

Coupling series	Nickel-plated brass	Delrin acetal	Stainless steel 316	Polypropylene	Polysulfone
MC, PMC, PMC12	100900	664400	100901	—	—
LC, PLC, EFC, PLC12	120700	520300	120701	—	—
HFC	—	—	—	621300 (PP),	694300 (PSF)

Torsional locks	Delrin acetal
MC	615200
LC, PLC, Twin Tube	615300



Dummy plug and dust cap

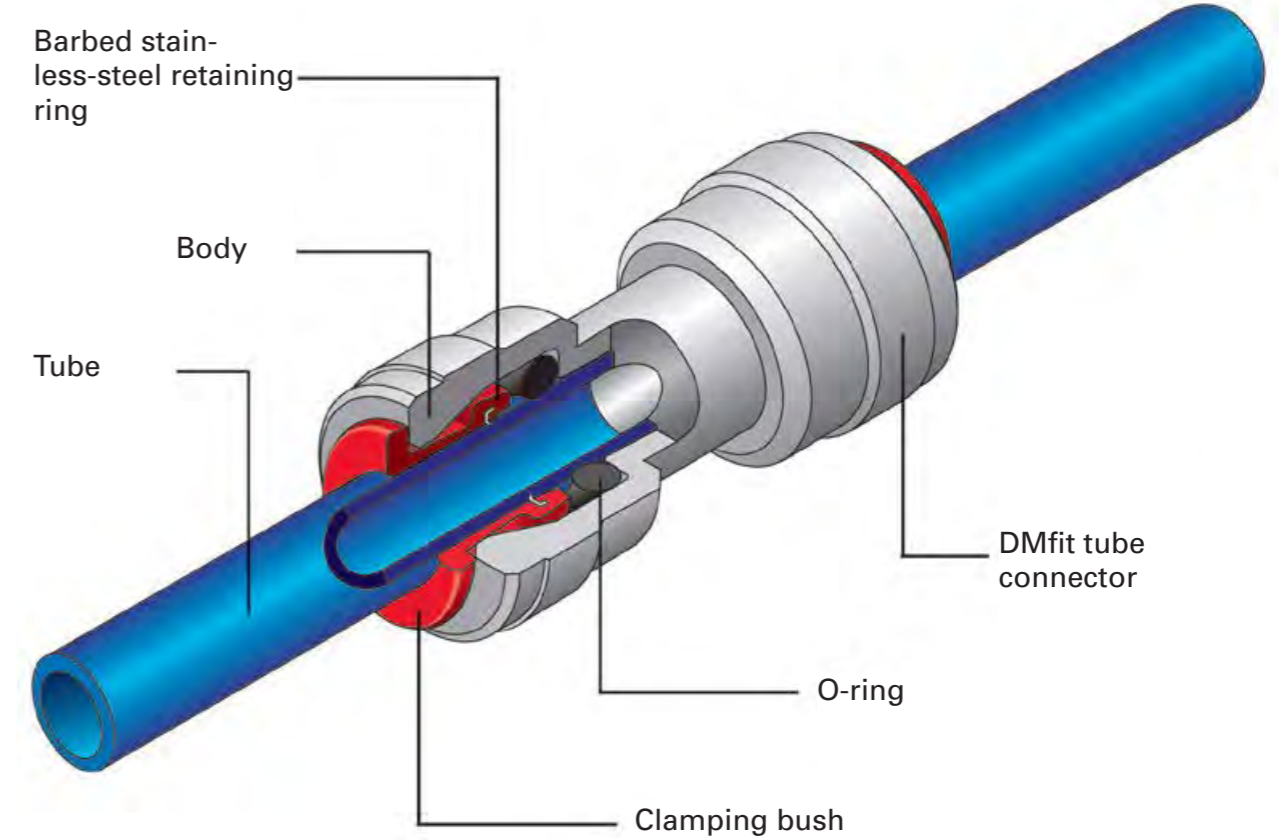
Coupling series	Plug pressure-tight	Dust cap for body	Dust cap for plug
MC, PMC		PMC31	PMC32
LC, PLC		PLC310	PLC320
APC, EFC			PLC320
PMC pressure sealing	PMC30		
PLC pressure sealing	PLC300		
HFC/FFC		HFC312 (no leash)	
		HFC312 L (with leash)	

10.2. DMfit tube connectors, valves and in-line filters

The push-fit connectors made from Delrin acetal for metric plastic tubes are available as standard tube connectors and also as connectors equipped ball valves, needle valves, check valves and in-line filters. Given the huge variety of connectors in L, Y, T and X shapes, the DMfit series offers an impressive range of connecting options for plastic tubes with

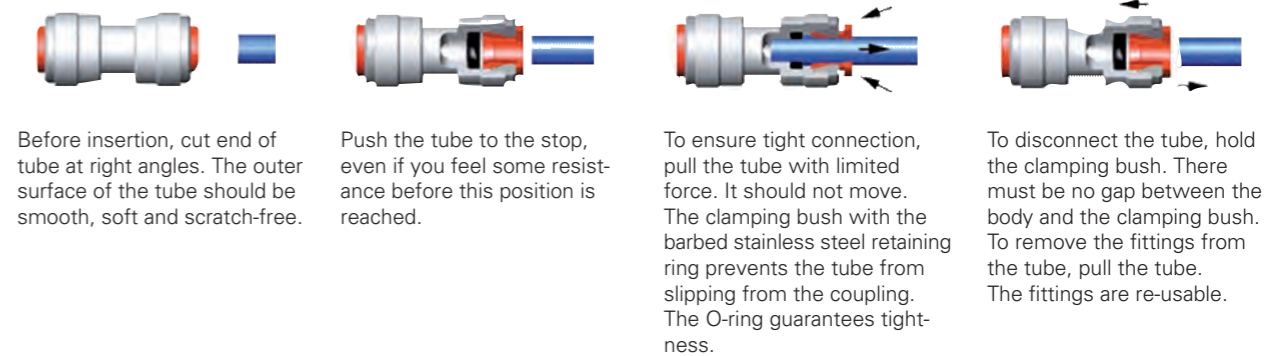
nominal diameters of 4 mm to 12 mm. In addition, the DMfit connectors are available as tube-to-tube couplings and adapters with female and male thread. To connect the tube ends, simply push them into the connector port. The tube ends can at any time be disconnected. An O-ring between the tube and the outer part of the connector provides a reliable seal. The tube end is kept in

its position by a barbed stainless steel retaining ring, preventing inadvertent disconnection. To open the connection, simply hold the stainless steel retaining ring by its outer plastic collar and pull the tube from the push-in connector.



Technical data		
Material	O-ring	Colour code
Delrin acetal	Buna-N	black
Polypropylene	EPDM	white

Size	5/32"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	7/8"
Temp.	4mm	5mm	6mm	8mm	10mm	12mm	16mm	22mm
-20°C to 20°C	16.0 bar			12.0 bar		13.5 bar	14.5 bar	
65°C	10.5 bar			7.0 bar		9.0 bar		



DMfit tube connectors

AMC
screwed push-fit

Designation	Tube outer diameter	Male thread BSPT (tapered)
AMC0402M	4 mm	1/8"
AMC0404M	4 mm	1/4"
AMC0502M	5 mm	1/8"
AMC0504M	5 mm	1/4"
AMC0602M	6 mm	1/8"
AMC0604M	6 mm	1/4"
AMC0606M	6 mm	3/8"
AMC0607M	6 mm	1/2"
AMC0802M	8 mm	1/8"
AMC0804M	8 mm	1/4"
AMC0806M	8 mm	3/8"
AMC1002M	10 mm	1/8"
AMC1004M	10 mm	1/4"
AMC1006M	10 mm	3/8"
AMC1007M	10 mm	1/2"
AMC1206M	12 mm	3/8"
AMC1207M	12 mm	1/2"
AMC1506M	15 mm	3/8"
AMC1507M	15 mm	1/2"
AMC1606M	16 mm	3/8"
AMC1607M	16 mm	1/2"
AMC1807M	18 mm	1/2"
AMC2209M	22 mm	3/4"



AEU-L plug

Designation	Tube outer diameter	Tube outer diameter
AEU0404M	4 mm	4 mm
AEU0505M	5 mm	5 mm
AEU0606M	6 mm	6 mm
AEU0804M	8 mm	4 mm
AEU0805M	8 mm	5 mm
AEU0806M	8 mm	6 mm
AEU0808M	8 mm	8 mm
AEU1005M	10 mm	5 mm
AEU1006M	10 mm	6 mm
AEU1008M	10 mm	8 mm
AEU1010M	10 mm	10 mm
AEU1206M	12 mm	6 mm
AEU1208M	12 mm	8 mm
AEU1210M	12 mm	10 mm
AEU1212M	12 mm	12 mm
AEU1515M	15 mm	15 mm
AEU1616M	16 mm	16 mm
AEU1818M	18 mm	18 mm
AEU2215M	22 mm	15 mm
AEU2216M	22 mm	16 mm
AEU2222M	22 mm	22 mm
AEU2828M	28 mm	28 mm

DMfit tube connectors

AME-L
screwed push-fit

Designation	Tube outer diameter	Male thread BSPT (tapered)
AME0602M	6 mm	1/8"
AME0604M	6 mm	1/4"
AME0606M	6 mm	3/8"
AME0804M	8 mm	1/4"
AME0806M	8 mm	3/8"
AME1004M	10 mm	1/4"
AME1006M	10 mm	3/8"
AME1206M	12 mm	3/8"
AME1207M	12 mm	1/2"
AME1506M	15 mm	3/8"
AME1507M	15 mm	1/2"
AME1606M	16 mm	3/8"
AME1607M	16 mm	1/2"

AMCB
screwed push-fit

Designation	Tube outer diameter	Male thread BSPP (parallel)
AMCB0402M	4 mm	1/8"
AMCB0404M	4 mm	1/4"
AMCB0502M	5 mm	1/8"
AMCB0504M	5 mm	1/4"
AMCB0602M	6 mm	1/8"
AMCB0604M	6 mm	1/4"
AMCB0802M	8 mm	1/8"
AMCB0804M	8 mm	1/4"
AMCB0806M	8 mm	3/8"
AMCB1004M	10 mm	1/4"
AMCB1006M	10 mm	3/8"
AMCB1007M	10 mm	1/2"
AMCB1206M	12 mm	3/8"
AMCB1207M	12 mm	1/2"
AMCB1507M	15 mm	1/2"
AMCB1509M	15 mm	3/4"
AMCB1607M	16 mm	1/2"
AMCB1609M	16 mm	3/4"
AMCB2209M	22 mm	3/4"

AMES-L
screw-in plug

Designation	Tube outer diameter	Male thread BSPT (tapered)
AMES0402M	4 mm	1/8"
AMES0404M	4 mm	1/4"
AMES0502M	5 mm	1/8"
AMES0602M	6 mm	1/8"
AMES0802M	8 mm	1/8"
AMES0804M	8 mm	1/4"
AMES0806M	8 mm	3/8"
AMES1004M	10 mm	1/4"
AMES1006M	10 mm	3/8"
AMES1206M	12 mm	3/8"
AMES1207M	12 mm	1/2"

DMfit tube connectors



ARD reducer

Designation	Tube outer diameter	Stem outer diameter
ARD0405M	4 mm	5 mm
ARD0406M	4 mm	6 mm
ARD0408M	4 mm	8 mm
ARD0506M	5 mm	6 mm
ARD0508M	5 mm	8 mm
ARD0608M	6 mm	8 mm
ARD0610M	6 mm	10 mm
ARD0810M	8 mm	10 mm
ARD0812M	8 mm	12 mm
ARD1012M	10 mm	12 mm
ARD1518M	15 mm	18 mm
ARD1522M	15 mm	22 mm
ARD1618M	16 mm	18 mm
ARD1622M	16 mm	22 mm
ARD1822M	18 mm	22 mm

AMESB-L
screwed push-fit

Designation	Tube outer diameter	Male thread BSPP (parallel)
AMESB0402M	4 mm	1/8"
AMESB0404M	4 mm	1/4"
AMESB0502M	5 mm	1/8"
AMESB0504M	5 mm	1/4"
AMESB0602M	6 mm	1/8"
AMESB0604M	6 mm	1/4"
AMESB0802M	8 mm	1/8"
AMESB0804M	8 mm	1/4"
AMESB0806M	8 mm	3/8"
AMESB1004M	10 mm	1/4"
AMESB1006M	10 mm	3/8"
AMESB1007M	10 mm	1/2"
AMESB1206M	12 mm	3/8"
AMESB1207M	12 mm	1/2"



ATEU elbow

Designation	Tube outer diameter	Stem outer diameter
ATEU0404M	4 mm	4 mm
ATEU0505M	5 mm	5 mm
ATEU0606M	6 mm	6 mm
ATEU0610M	6 mm	10 mm
ATEU0808M	8 mm	8 mm
ATEU0810M	8 mm	10 mm
ATEU1010M	10 mm	10 mm
ATEU1212M	12 mm	12 mm
ATEU1515M	15 mm	15 mm
ATEU2222M	22 mm	22 mm

DMfit tube connectors

AFA
screw-on plug

Designation	Tube outer diameter	Female thread BSPT (tapered)
AFA0602M	6 mm	1/8"
AFA0604M	6 mm	1/4"
AFA0802M	8 mm	1/8"
AFA0804M	8 mm	1/4"
AFA1002M	10 mm	1/8"
AFA1004M	10 mm	1/4"
AFA1507M	15 mm	1/2"
AFA1607M	16 mm	1/2"
AFA2209M	22 mm	3/4"
AFA2211M	22 mm	1"

AFAB
screw-on plug
with internal plug

Designation	Tube outer diameter	Female thread BSPP (parallel)
AFAB0606CM	6 mm	3/8"
AFAB0607CM	6 mm	1/2"
AFAB0806CM	8 mm	3/8"
AFAB0807CM	8 mm	1/2"
AFAB1006CM	10 mm	3/8"
AFAB1007CM	10 mm	1/2"
AFAB1008CM	10 mm	5/8"

AFAB
screw-on plug
with flat base

Designation	Tube outer diameter	Female thread BSPP (parallel)
AFAB0609FM	6 mm	3/4"
AFAB0804FM	8 mm	1/4"
AFAB0808FM	8 mm	5/8"
AFAB0809FM	8 mm	3/4"
AFAB1004FM	10 mm	1/4"
AFAB1007FM	10 mm	1/2"
AFAB1008FM	10 mm	5/8"
AFAB1009FM	10 mm	3/4"
AFAB1206FM	12 mm	3/8"
AFAB1207FM	12 mm	1/2"
AFAB2209FM	22 mm	3/4"
AFAB2211FM	22 mm	1"

DMfit tube connectors

AMRSB-TL
threaded plug

Designation	Tube outer diameter	Male thread BSPP (parallel)
AMRSB0402M	4 mm	1/8"
AMRSB0404M	4 mm	1/4"
AMRSB0502M	5 mm	1/8"
AMRSB0504M	5 mm	1/4"
AMRSB0602M	6 mm	1/8"
AMRSB0604M	6 mm	1/4"
AMRSB0802M	8 mm	1/8"
AMRSB0804M	8 mm	1/4"
AMRSB0806M	8 mm	3/8"
AMRSB1004M	10 mm	1/4"
AMRSB1006M	10 mm	3/8"
AMRSB1007M	10 mm	1/2"
AMRSB1206M	12 mm	3/8"
AMRSB1207M	12 mm	1/2"

AMRS-TL
screw-in plug

Designation	Tube outer diameter	Male thread BSPT (tapered)
AMRS0402M	4 mm	1/8"
AMRS0404M	4 mm	1/4"
AMRS0502M	5 mm	1/8"
AMRS0504M	5 mm	1/4"
AMRS0602M	6 mm	1/8"
AMRS0604M	6 mm	1/4"
AMRS0802M	8 mm	1/8"
AMRS0804M	8 mm	1/4"
AMRS0806M	8 mm	3/8"
AMRS1004M	10 mm	1/4"
AMRS1006M	10 mm	3/8"
AMRS1007M	10 mm	1/2"
AMRS1206M	12 mm	3/8"
AMRS1207M	12 mm	1/2"

AMTSB-T
threaded plug

Designation	Tube outer diameter	Male thread BSPP (parallel)
AMTSB0402M	4 mm	1/8"
AMTSB0404M	4 mm	1/4"
AMTSB0502M	5 mm	1/8"
AMTSB0504M	5 mm	1/4"
AMTSB0602M	6 mm	1/8"
AMTSB0604M	6 mm	1/4"
AMTSB0802M	8 mm	1/8"
AMTSB0804M	8 mm	1/4"
AMTSB0806M	8 mm	3/8"
AMTSB1004M	10 mm	1/4"
AMTSB1006M	10 mm	3/8"
AMTSB1007M	10 mm	1/2"
AMTSB1206M	12 mm	3/8"
AMTSB1207M	12 mm	1/2"

DMfit tube connectors

AMTS-T
threaded plug

Designation	Tube outer diameter	Male thread BSPP (parallel)
AMTS0402M	4 mm	1/8"
AMTS0404M	4 mm	1/4"
AMTS0502M	5 mm	1/8"
AMTS0504M	5 mm	1/4"
AMTS0602M	6 mm	1/8"
AMTS0604M	6 mm	1/4"
AMTS0802M	8 mm	1/8"
AMTS0804M	8 mm	1/4"
AMTS0806M	8 mm	3/8"
AMTS1004M	10 mm	1/4"
AMTS1006M	10 mm	3/8"
AMTS1007M	10 mm	1/2"
AMTS1206M	12 mm	3/8"
AMTS1207M	12 mm	1/2"

ASAB
male thread piece

Designation	Tube outer diameter	Male thread BSPP (parallel)
ASAB0402M	4 mm	1/8"
ASAB0404M	4 mm	1/4"
ASAB0502M	5 mm	1/8"
ASAB0504M	5 mm	1/4"
ASAB0602M	6 mm	1/8"
ASAB0604M	6 mm	1/4"
ASAB0802M	8 mm	1/8"
ASAB0804M	8 mm	1/4"
ASAB0806M	8 mm	3/8"
ASAB1004M	10 mm	1/4"
ASAB1006M	10 mm	3/8"
ASAB1007M	10 mm	1/2"
ASAB1206M	12 mm	3/8"
ASAB1207M	12 mm	1/2"
ASAB1506M	15 mm	1/8"
ASAB1507M	15 mm	1/2"
ASAB1807M	18 mm	1/2"
ASAB2207M	22 mm	1/2"
ASAB2209M	22 mm	3/4"

DMfit tube connectors



ASA male thread piece

Designation	Tube outer diameter	Male thread BSPT (tapered)
ASA0402M	4 mm	1/8"
ASA0404M	4 mm	1/4"
ASA0502M	5 mm	1/8"
ASA0504M	5 mm	1/4"
ASA0602M	6 mm	1/8"
ASA0604M	6 mm	1/4"
ASA0802M	8 mm	1/8"
ASA0804M	8 mm	1/4"
ASA0806M	8 mm	3/8"
ASA1004M	10 mm	1/4"
ASA1006M	10 mm	3/8"
ASA1007M	10 mm	1/2"
ASA1206M	12 mm	3/8"
ASA1207M	12 mm	1/2"



Adapter elbow

Designation	Tube outer diameter	Tube outer diameter
AOC1006M	10 mm	6 mm
AOC1208M	12 mm	8 mm



ABU wall duct

Designation	Tube outer diameter	Tube outer diameter
ABU0404M	4 mm	4 mm
ABU0505M	5 mm	5 mm
ABU0606M	6 mm	6 mm
ABU06010M	6 mm	10 mm
ABU0808M	8 mm	8 mm
ABU1006M	10 mm	6 mm
ABU1010M	10 mm	10 mm
ABU1212M	12 mm	12 mm



ATHWD 3-way manifold

Designation	Tube outer diameter	Tube outer diameter
ATHWD0606M	6 mm	6 mm
ATHWD1006M	10 mm	6 mm
ATHWD1210M	12 mm	10 mm

DMfit tube connectors



ATWD 2-way manifold

Designation	Tube outer diameter	Tube outer diameter
ATWD0404M	4 mm	4 mm
ATWD0606M	6 mm	6 mm
ATWD0808M	8 mm	8 mm
ATWD1008M	10 mm	8 mm
ATWD1010M	10 mm	10 mm
ATWD1012M	10 mm	12 mm
ATWD1212M	12 mm	12 mm
ATWD1515M	15 mm	15 mm



ACR X connector

Designation	Tube outer diameter
ACR0404M	4 mm
ACR0606M	6 mm
ACR0808M	8 mm
ACR1010M	10 mm
ACR1212M	12 mm



ATU-T plug

Designation	Tube outer diameter Main flow	Tube outer diameter Branch-off
ATU0404M	4 mm	4 mm
ATU0505M	5 mm	5 mm
ATU0606M	6 mm	6 mm
ATU0808M	8 mm	8 mm
ATU1006M	10 mm	6 mm
ATU1010M	10 mm	10 mm
ATU1210M	12 mm	10 mm
ATU1212M	12 mm	12 mm
ATU1510M	15 mm	10 mm
ATU1515M	15 mm	15 mm
ATU1522M	15 mm	22 mm
ATU1616M	16 mm	16 mm
ATU1622M	16 mm	22 mm
ATU1815M	18 mm	15 mm
ATU1816M	18 mm	16 mm
ATU1818M	18 mm	18 mm
ATU2210M	22 mm	10 mm
ATU2215M	22 mm	15 mm
ATU2216M	22 mm	16 mm
ATU2222M	22 mm	22 mm
ATU2828M	28 mm	28 mm

DMfit tube connectors



AUC plug

Designation	Tube outer diameter	Tube outer diameter
AUC0404M	4 mm	4 mm
AUC0505M	5 mm	5 mm
AUC0604M	6 mm	4 mm
AUC0605M	6 mm	5 mm
AUC0606M	6 mm	6 mm
AUC0804M	8 mm	4 mm
AUC0805M	8 mm	5 mm
AUC0806M	8 mm	6 mm
AUC0808M	8 mm	8 mm
AUC1004M	10 mm	4 mm
AUC1005M	10 mm	5 mm
AUC1006M	10 mm	6 mm
AUC1008M	10 mm	8 mm
AUC1010M	10 mm	10 mm
AUC1208M	12 mm	8 mm
AUC1210M	12 mm	10 mm
AUC1212M	12 mm	12 mm
AUC1510M	15 mm	10 mm
AUC1512M	15 mm	12 mm
AUC1515M	15 mm	15 mm
AUC1612M	16 mm	12 mm
AUC1615M	16 mm	15 mm
AUC1616M	16 mm	16 mm
AUC1818M	18 mm	18 mm
AUC2215M	22 mm	15 mm
AUC2216M	22 mm	16 mm
AUC2222M	22 mm	22 mm
AUC2828M	28 mm	28 mm

DMfit tube connectors



AUB-U plug

Designation	Tube outer diameter
AUB0606M	6 mm
AUB0808M	8 mm
AUB1010M	10 mm
AUB1212M	12 mm
AUB1515M	15 mm
AUB1616M	16 mm
AUB2222M	22 mm



ATES dummy plug

Designation	Tube outer diameter
ATES06M	6 mm
ATES08M	8 mm
ATES10M	10 mm
ATES12M	12 mm
ATES15M	15 mm
ATES16M	16 mm
ATES18M	18 mm
ATES22M	22 mm



APL dummy piece

Designation	Tube outer diameter
APL04M	4 mm
APL05M	5 mm
APL06M	6 mm
APL08M	8 mm
APL10M	10 mm
APL12M	12 mm
APL15M	15 mm
APL18M	18 mm
APL22M	22 mm



ATBC barb piece

Designation	Stem outer diameter	Tube inner diameter
ATBC0604M	6 mm	4 mm
ATBC0806M	8 mm	6 mm
ATBC1008M	10 mm	8 mm
ATBC1010M	10 mm	10 mm
ATBC1210M	12 mm	10 mm

DMfit valves



ACUC needle valve

Designation	Tube outer diameter
ACUC0606M	6 mm
ACUC1010M	10 mm



ACE-L needle valve

Designation	Tube outer diameter
ACEU0606M	6 mm
ACEU1010M	10 mm



ACFA-L needle valve

Designation	Tube outer diameter	Female thread BSPT (tapered)
ACFA0604M	6 mm	1/4"
ACFA1006M	10 mm	3/8"



ACMC needle valve

Designation	Tube outer diameter	Male thread BSPT (tapered)
ACMC0604M	6 mm	1/4"
ACMC1006M	10 mm	3/8"



AHMC hand valve

Designation	Tube outer diameter	Male thread BSPT (tapered)
AHMC0604M	6 mm	1/4"
AHMC1006M	10 mm	3/8"
AHMC1207M	12 mm	1/2"



AHUC hand valve

Designation	Tube outer diameter
AHUC0606M	6 mm
AHUC0808M	8 mm
AHUC1010M	10 mm
AHUC1212M	12 mm
AHUC1510M	15 mm
AHUC1515M	15 mm
AHUC1610M	16 mm
AHUC1616M	16 mm
AHUC2222M	22 mm

DMfit valves



AHFA-L hand valve

Designation	Tube outer diameter	Female thread BSPT (tapered)
AHFA0604M	6 mm	1/4"
AHFA1006M	10 mm	3/8"
AHFA1207M	12 mm	1/2"
AHFA1507M	15 mm	1/2"
AHFA1606M	16 mm	3/8"
AHFA1607M	16 mm	1/2"



ACHV check valve

Designation	Tube outer diameter
ACHV0606M	6 mm
ACHV0808M	8 mm
ACHV1010M	10 mm
ACHV1212M	12 mm

DMfit In-line filters



ADMF In-line filter

Designation	Tube outer diameter	Filter unit Stainless steel mesh
ADMF0606M	6 mm	150 µm
ADMF0808M	8 mm	150 µm
ADMF1010M	10 mm	150 µm
ADMF1212M	12 mm	150 µm

10.3.

EJ fittings

EJ fittings made of plastic cater for any type of connection between plastic tubes with nominal diameters of 1/16" to 3/4". EJ fittings are available in virgin PP, virgin PE and PVDF, and are certi-

fied for use in the foodstuff, medical technical and beverage industries. EJ fittings come in many shapes and sizes – from straight connectors, threaded pieces to elbows, tees and

manifold pieces – allowing for virtually any tubing layout. Special reducers and adapter plugs enable you to connect tubes of various nominal dimensions.



EJ tube connectors

Technical data		
Material	Temperature (°C)	Pressure (bar)
Nylon	-45°C - +150°C	max. 10 bar
PVDF	-60°C - +130°C	max. 18 bar
Polypropylene	+13°C - +65°C	max. 10 bar
Polyethylene	+13°C - +65°C	max. 10 bar
Stainless steel 361L	-60°C - +200°C	max. 20 bar

EJ tube connectors, straight



PVDF, virgin
Excellent chemical resistance

NSF Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	1/16"	C0-1 NK*
3/32"	C0-1.5 NK*	
1/8"	C0-2 NK*	
5/32"	C0-2.5 NK	
3/16"	C0-3 NK	
1/4"	C0-4 NK	
5/16"	C0-5 NK	
3/8"	C0-6 NK	
1/2"	C0-8 NK	
5/8"	C0-10 NK	
3/4"	C0-12 NK	
1"	C0-16 NK	

* models with * (asterisk) are not NSF-certified

Polypropylene, virgin
Good chemical resistance

Size	Designation
1/16"	C0 -1PP
3/32"	C0-1.5PP
1/8"	C0-2PP
5/32"	C0-2.5PP
3/16"	C0-3PP
1/4"	C0-4PP
5/16"	C0-5PP
3/8"	C0-6PP
1/2"	C0-8PP
5/8"	C0-10PP
3/4"	C0-12PP
1"	C0-16PP

Polypropylene fittings are not NSF-certified

EJ tube connectors, straight



Nylon, virgin
Good mechanical strength

NSF Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	1/16"	C0-1NN*
3/32"	C0-1.5NN*	
1/8"	C0-2NN*	
5/32"	C0-2.5NN	
3/16"	C0-3NN	
1/4"	C0-4NN	
5/16"	C0-5NN	
3/8"	C0-6NN	
1/2"	C0-8NN	
5/8"	C0-10NN	
3/4"	C0-12NN	
1"	C0-16NN	

* models with * (asterisk) are not NSF-certified

High-density polypropylene, virgin
Excellent chemical resistance

NSF Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	1/16"	C0-1HDPE*
3/32"	C0-1.5HDPE*	
1/8"	C0-2HDPE*	
5/32"	C0-2.5HDPE	
3/16"	C0-3HDPE	
1/4"	C0-4HDPE	
5/16"	C0-5HDPE	
3/8"	C0-6HDPE	
1/2"	C0-8HDPE	
5/8"	C0-10HDPE	
3/4"	C0-12HDPE	
1"	C0-16HDPE	

* models with * (asterisk) are not NSF-certified

EJ tube connectors, reducing



PVDF, virgin
Excellent chemical resistance

Size	Designation
3/32" • 1/16"	C1.5-1NK*
1/8" • 1/16"	C2-1NK*
1/8" • 3/32"	C2-1.5NK*
5/32" • 1/8"	C2.5-2NK
3/16" • 1/8"	C3-2NK
1/4" • 1/8"	C4-2NK
1/4" • 5/32"	C4-2.5NK
1/4" • 3/16"	C4-3NK
5/16" • 1/4"	C5-4NK
3/8" • 1/4"	C6-4NK
3/8" • 5/16"	C6-5NK
1/2" • 1/4"	C8-4NK
1/2" • 5/16"	C8-5NK
1/2" • 3/8"	C8-6NK
5/8" • 1/4"	C10-4NK
5/8" • 5/16"	C10-5NK
5/8" • 3/8"	C10-6NK
5/8" • 1/2"	C10-8NK
3/4" • 3/8"	C12-6NK
3/4" • 1/2"	C12-8NK
3/4" • 5/8"	C12-10NK
1" • 1/2"	C16-8NK
1" • 5/8"	C16-10NK
1" • 3/4"	C16-12NK



Certified to NSF/ANSI 61 NSF/ANSI 51

* models with * (asterisk) are not NSF-certified

Polypropylene, virgin
Good chemical resistance

Size	Designation
3/32" • 1/16"	C1.5-1PP
1/8" • 1/16"	C2-1PP
1/8" • 3/32"	C2-1.5PP
5/32" • 1/8"	C2.5-2PP
3/16" • 1/8"	C3-2PP
1/4" • 1/8"	C4-2PP
1/4" • 5/32"	C4-2.5PP
1/4" • 3/16"	C4-3PP
5/16" • 1/4"	C5-4PP
3/8" • 1/4"	C6-4PP
3/8" • 5/16"	C6-5PP
1/2" • 1/4"	C8-4PP
1/2" • 5/16"	C8-5PP
1/2" • 3/8"	C8-6PP
5/8" • 1/4"	C10-4PP
5/8" • 5/16"	C10-5PP
5/8" • 3/8"	C10-6PP
5/8" • 1/2"	C10-8PP
3/4" • 3/8"	C12-6PP
3/4" • 1/2"	C12-8PP
3/4" • 5/8"	C12-10PP
1" • 1/2"	C16-8PP
1" • 5/8"	C16-10PP
1" • 3/4"	C16-12PP

Polypropylene fittings are not NSF-certified

EJ tube connectors, reducing



Nylon, virgin
Good mechanical strength

Size	Designation
3/32" • 1/16"	C1.5-1NN*
1/8" • 1/16"	C2-1NN*
1/8" • 3/32"	C2-1.5NN*
5/32" • 1/8"	C2.5-2NN
3/16" • 1/8"	C3-2NN
1/4" • 1/8"	C4-2NN
1/4" • 5/32"	C4-2.5NN
1/4" • 3/16"	C4-3NN
5/16" • 1/4"	C5-4NN
3/8" • 1/4"	C6-4NN
3/8" • 5/16"	C6-5NN
1/2" • 1/4"	C8-4NN
1/2" • 5/16"	C8-5NN
1/2" • 3/8"	C8-6NN
5/8" • 1/4"	C10-4NN
5/8" • 5/16"	C10-5NN
5/8" • 3/8"	C10-6NN
5/8" • 1/2"	C10-8NN
3/4" • 3/8"	C12-6NN
3/4" • 1/2"	C12-8NN
3/4" • 5/8"	C12-10NN
1" • 1/2"	C16-8NN
1" • 5/8"	C16-10NN
1" • 3/4"	C16-12NN



Certified to NSF/ANSI 61 NSF/ANSI 51

* models with * (asterisk) are not NSF-certified

High-density polypropylene, virgin
Excellent chemical resistance

Size	Designation
3/32" • 1/16"	C1.5-1HDPE*
1/8" • 1/16"	C2-1HDPE*
1/8" • 3/32"	C2-1.5HDPE*
5/32" • 1/8"	C2.5-2HDPE
3/16" • 1/8"	C3-2HDPE
1/4" • 1/8"	C4-2HDPE
1/4" • 5/32"	C4-2.5HDPE
1/4" • 3/16"	C4-3HDPE
5/16" • 1/4"	C5-4HDPE
3/8" • 1/4"	C6-4HDPE
3/8" • 5/16"	C6-5HDPE
1/2" • 1/4"	C8-4HDPE
1/2" • 5/16"	C8-5HDPE
1/2" • 3/8"	C8-6HDPE
5/8" • 1/4"	C10-4HDPE
5/8" • 5/16"	C10-5HDPE
5/8" • 3/8"	C10-6HDPE
5/8" • 1/2"	C10-8HDPE
3/4" • 3/8"	C12-6HDPE
3/4" • 1/2"	C12-8HDPE
3/4" • 5/8"	C12-10HDPE
1" • 1/2"	C16-8HDPE
1" • 5/8"	C16-10HDPE
1" • 3/4"	C16-12HDPE



Certified to NSF/ANSI 61 NSF/ANSI 51

* models with * (asterisk) are not NSF-certified

EJ threaded tube connectors



PVDF, virgin
Excellent chemical resistance



Certified to NSF/ANSI 61 NSF/ANSI 51

Thread – Tube	Designation
1/8" BSPT • 1/8"	A2B-2NK
1/8" BSPT • 5/32"	A2B-2.5NK
1/8" BSPT • 1/4"	A2B-4NK
1/8" BSPT • 3/8"	A2B-6NK
1/4" BSPT • 1/8"	A4B-2NK
1/4" BSPT • 5/32"	A4B-2.5NK
1/4" BSPT • 3/16"	A4B-3NK
1/4" BSPT • 1/4"	A4B-4NK
1/4" BSPT • 5/16"	A4B-5NK
1/4" BSPT • 3/8"	A4B-6NK
1/4" BSPT • 1/2"	A4B-8NK
3/8" BSPT • 1/4"	A6B-4NK
3/8" BSPT • 5/16"	A6B-5NK
3/8" BSPT • 3/8"	A6B-6NK
3/8" BSPT • 1/2"	A6B-8NK

Polypropylene, virgin
Good chemical resistance

Thread – Tube	Designation
1/8" BSPT • 1/8"	A2B-2PP
1/8" BSPT • 5/32"	A2B-2.5PP
1/8" BSPT • 1/4"	A2B-4PP
1/8" BSPT • 3/8"	A2B-6PP
1/4" BSPT • 1/8"	A4B-2PP
1/4" BSPT • 5/32"	A4B-2.5PP
1/4" BSPT • 3/16"	A4B-3PP
1/4" BSPT • 1/4"	A4B-4PP
1/4" BSPT • 5/16"	A4B-5PP
1/4" BSPT • 3/8"	A4B-6PP
1/4" BSPT • 1/2"	A4B-8PP
3/8" BSPT • 1/4"	A6B-4PP
3/8" BSPT • 5/16"	A6B-5PP
3/8" BSPT • 3/8"	A6B-6PP
3/8" BSPT • 1/2"	A6B-8PP

Polypropylene fittings are not NSF-certified

Nylon, virgin
Good mechanical strength



Certified to NSF/ANSI 61 NSF/ANSI 51

Thread – Tube	Designation
1/8" BSPT • 1/8"	A2B-2NN
1/8" BSPT • 5/32"	A2B-2.5NN
1/8" BSPT • 1/4"	A2B-4NN
1/8" BSPT • 3/8"	A2B-6NN
1/4" BSPT • 1/8"	A4B-2NN
1/4" BSPT • 5/32"	A4B-2.5NN
1/4" BSPT • 3/16"	A4B-3NN
1/4" BSPT • 1/4"	A4B-4NN
1/4" BSPT • 5/16"	A4B-5NN
1/4" BSPT • 3/8"	A4B-6NN
1/4" BSPT • 1/2"	A4B-8NN
3/8" BSPT • 1/4"	A6B-4NN
3/8" BSPT • 5/16"	A6B-5NN
3/8" BSPT • 3/8"	A6B-6NN
3/8" BSPT • 1/2"	A6B-8NN

High-density polypropylene, virgin
Excellent chemical resistance



Certified to NSF/ANSI 61 NSF/ANSI 51

Thread – Tube	Designation
1/8" BSPT • 1/8"	A2B-2HDPE
1/8" BSPT • 5/32"	A2B-2.5HDPE
1/8" BSPT • 1/4"	A2B-4HDPE
1/8" BSPT • 3/8"	A2B-6HDPE
1/4" BSPT • 1/8"	A4B-2HDPE
1/4" BSPT • 5/32"	A4B-2.5HDPE
1/4" BSPT • 3/16"	A4B-3HDPE
1/4" BSPT • 1/4"	A4B-4HDPE
1/4" BSPT • 5/16"	A4B-5HDPE
1/4" BSPT • 3/8"	A4B-6HDPE
1/4" BSPT • 1/2"	A4B-8HDPE
3/8" BSPT • 1/4"	A6B-4HDPE
3/8" BSPT • 5/16"	A6B-5HDPE
3/8" BSPT • 3/8"	A6B-6HDPE
3/8" BSPT • 1/2"	A6B-8HDPE

EJ elbow tube connectors



PVDF, virgin
Excellent chemical resistance



Certified to NSF/ANSI 61 NSF/ANSI 51

Size	Designation
3/32"	L0-1.5NK*
1/8"	L0-2NK*
5/32"	L0-2.5NK
3/16"	L0-3NK
1/4"	L0-4NK
5/16"	L0-5NK
3/8"	L0-6NK
1/2"	L0-8NK
5/8"	L0-10NK
3/4"	L0-12NK
1"	L0-16NK

** models with * (asterisk) are not NSF-certified*

Polypropylene, virgin
Good chemical resistance

Size	Designation
3/32"	L0-1.5PP
1/8"	L0-2PP
5/32"	L0-2.5PP
3/16"	L0-3PP
1/4"	L0-4PP
5/16"	L0-5PP
3/8"	L0-6PP
1/2"	L0-8PP
5/8"	L0-10PP
3/4"	L0-12PP
1"	L0-16PP

Polypropylene fittings are not NSF-certified

Nylon, virgin
Good mechanical strength



Certified to NSF/ANSI 61 NSF/ANSI 51

Size	Designation
3/32"	L0-1.5NN*
1/8"	L0-2NN*
5/32"	L0-2.5NN
3/16"	L0-3NN
1/4"	L0-4NN
5/16"	L0-5NN
3/8"	L0-6NN
1/2"	L0-8NN
5/8"	L0-10NN
3/4"	L0-12NN
1"	L0-16NN

** models with * (asterisk) are not NSF-certified*

High-density polypropylene, virgin
Excellent chemical resistance



Certified to NSF/ANSI 61 NSF/ANSI 51


Size	Designation
3/32"	L0-1.5HDPE*
1/8"	L0-2HDPE*
5/32"	L0-2.5HDPE
3/16"	L0-3HDPE
1/4"	L0-4HDPE
5/16"	L0-5HDPE
3/8"	L0-6HDPE
1/2"	L0-8HDPE
5/8"	L0-10HDPE
3/4"	L0-12HDPE
1"	L0-16HDPE

** models with * (asterisk) are not NSF-certified*


EJ elbow tube connectors, reducing



PVDF, virgin
Excellent chemical resistance


 Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	1/2" • 3/8"	RL8-6NK

Polypropylene, virgin
Good chemical resistance


 Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	1/2" • 3/8"	RL8-6PP

Polypropylene fittings are not NSF-certified

Nylon, virgin
Good mechanical strength

 Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	1/2" • 3/8"	RL8-6NN


High-density polypropylene, virgin
Excellent chemical resistance

 Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	1/2" • 3/8"	RL8-6HDPE


EJ elbow threaded tube connectors



PVDF, virgin
Excellent chemical resistance


 Certified to NSF/ANSI 61 NSF/ANSI 51	Thread – Tube	Designation
	1/8" BSPT • 1/8"	L2B-2NK
	1/8" BSPT • 5/32"	L2B-2.5NK
	1/8" BSPT • 1/4"	L2B-4NK
	1/8" BSPT • 5/16"	L2B-5NK
	1/8" BSPT • 3/8"	L2B-6NK
	1/4" BSPT • 1/8"	L4B-2NK
	1/4" BSPT • 5/32"	L4B-2.5NK
	1/4" BSPT • 3/16"	L4B-3NK
	1/4" BSPT • 1/4"	L4B-4NK
	1/4" BSPT • 5/16"	L4B-5NK
	1/4" BSPT • 3/8"	L4B-6NK
	1/4" BSPT • 1/2"	L4B-8NK
	3/8" BSPT • 1/4"	L6B-4NK
	3/8" BSPT • 5/16"	L6B-5NK
	3/8" BSPT • 3/8"	L6B-6NK
	3/8" BSPT • 1/2"	L6B-8NK

Polypropylene, virgin
Good chemical resistance


 Certified to NSF/ANSI 61 NSF/ANSI 51	Thread – Tube	Designation
	1/8" BSPT • 1/8"	L2B-2PP
	1/8" BSPT • 5/32"	L2B-2.5PP
	1/8" BSPT • 1/4"	L2B-4PP
	1/8" BSPT • 5/16"	L2B-5PP
	1/8" BSPT • 3/8"	L2B-6PP
	1/4" BSPT • 1/8"	L4B-2PP
	1/4" BSPT • 5/32"	L4B-2.5PP
	1/4" BSPT • 3/16"	L4B-3PP
	1/4" BSPT • 1/4"	L4B-4PP
	1/4" BSPT • 5/16"	L4B-5PP
	1/4" BSPT • 3/8"	L4B-6PP
	1/4" BSPT • 1/2"	L4B-8PP
	3/8" BSPT • 1/4"	L6B-4PP
	3/8" BSPT • 5/16"	L6B-5PP
	3/8" BSPT • 3/8"	L6B-6PP
	3/8" BSPT • 1/2"	L6B-8PP

Polypropylene fittings are not NSF-certified

Nylon, virgin
Good mechanical strength

 Certified to NSF/ANSI 61 NSF/ANSI 51	Thread – Tube	Designation
	1/8" BSPT • 1/8"	L2B-2NN
	1/8" BSPT • 5/32"	L2B-2.5NN
	1/8" BSPT • 1/4"	L2B-4NN
	1/8" BSPT • 5/16"	L2B-5NN
	1/8" BSPT • 3/8"	L2B-6NN
	1/4" BSPT • 1/8"	L4B-2NN
	1/4" BSPT • 5/32"	L4B-2.5NN
	1/4" BSPT • 3/16"	L4B-3NN
	1/4" BSPT • 1/4"	L4B-4NN
	1/4" BSPT • 5/16"	L4B-5NN
	1/4" BSPT • 3/8"	L4B-6NN
	1/4" BSPT • 1/2"	L4B-8NN
	3/8" BSPT • 1/4"	L6B-4NN
	3/8" BSPT • 3/8"	L6B-6NN
	3/8" BSPT • 5/16"	L6B-5NN
	3/8" BSPT • 1/2"	L6B-8NN

High-density polypropylene, virgin
Excellent chemical resistance

 Certified to NSF/ANSI 61 NSF/ANSI 51	Thread – Tube	Designation
	1/8" BSPT • 1/8"	L2B-2HDPE
	1/8" BSPT • 5/32"	L2B-2.5HDPE
	1/8" BSPT • 1/4"	L2B-4HDPE
	1/8" BSPT • 5/16"	L2B-5HDPE
	1/8" BSPT • 3/8"	L2B-6HDPE
	1/4" BSPT • 1/8"	L4B-2HDPE
	1/4" BSPT • 5/32"	L4B-2.5HDPE
	1/4" BSPT • 3/16"	L4B-3HDPE
	1/4" BSPT • 1/4"	L4B-4HDPE
	1/4" BSPT • 5/16"	L4B-5HDPE
	1/4" BSPT • 3/8"	L4B-6HDPE
	1/4" BSPT • 1/2"	L4B-8HDPE
	3/8" BSPT • 1/4"	L6B-4HDPE
	3/8" BSPT • 3/8"	L6B-6HDPE
	3/8" BSPT • 5/16"	L6B-5HDPE
	3/8" BSPT • 1/2"	L6B-8HDPE

EJ tee tube connectors, reducing



PVDF, virgin
Excellent chemical resistance

 Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	5/32" • 3/8"	RT2.5-6NK
	1/2" • 3/8"	RT8-6NK
	5/8" • 3/8"	RT10-6NK
	3/4" • 3/8"	RT12-6NK
	3/4" • 1/2"	RT12-8NK

Polypropylene, virgin
Good chemical resistance


Size	Designation
5/32" • 3/8"	RT2.5-6PP
1/2" • 3/8"	RT8-6PP
5/8" • 3/8"	RT10-6PP
3/4" • 3/8"	RT12-6PP
3/4" • 1/2"	RT12-8PP

Polypropylene fittings are not NSF-certified

Nylon, virgin
Good mechanical strength

 Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	5/32" • 3/8"	RT2.5-6NN
	1/2" • 3/8"	RT8-6NN
	5/8" • 3/8"	RT10-6NN
	3/4" • 3/8"	RT12-6NN
	3/4" • 1/2"	RT12-8NN

High-density polypropylene, virgin
Excellent chemical resistance

 Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	5/32" • 3/8"	RT2.5-6HDPE
	1/2" • 3/8"	RT8-6HDPE
	5/8" • 3/8"	RT10-6HDPE
	3/4" • 3/8"	RT12-6HDPE
	3/4" • 1/2"	RT12-8HDPE

EJ tee tube connectors



PVDF, virgin
Excellent chemical resistance

 Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	3/32"	T0-1.5NK*
	1/8"	T0-2NK*
	5/32"	T0-2.5NK
	3/16"	T0-3NK
	1/4"	T0-4NK
	5/16"	T0-5NK
	3/8"	T0-6NK
	1/2"	T0-8NK
	5/8"	T0-10NK
	3/4"	T0-12NK
	1"	T0-16NK


** models with * (asterisk) are not NSF-certified*

Polypropylene, virgin
Good chemical resistance

Size	Designation
3/32"	T0-1.5PP
1/8"	T0-2PP
5/32"	T0-2.5PP
3/16"	T0-3PP
1/4"	T0-4PP
5/16"	T0-5PP
3/8"	T0-6PP
1/2"	T0-8PP
5/8"	T0-10PP
3/4"	T0-12PP
1"	T0-16PP


Polypropylene fittings are not NSF-certified

Nylon, virgin
Good mechanical strength

 Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	3/32"	T0-1.5NN*
	1/8"	T0-2NN*
	5/32"	T0-2.5NN
	3/16"	T0-3NN
	1/4"	T0-4NN
	5/16"	T0-5NN
	3/8"	T0-6NN
	1/2"	T0-8NN
	5/8"	T0-10NN
	3/4"	T0-12NN
	1"	T0-16NN

** models with * (asterisk) are not NSF-certified*

High-density polypropylene, virgin
Excellent chemical resistance


 Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	3/32"	T0-1.5HDPE*
	1/8"	T0-2HDPE*
	5/32"	T0-2.5HDPE
	3/16"	T0-3HDPE
	1/4"	T0-4HDPE
	5/16"	T0-5HDPE
	3/8"	T0-6HDPE
	1/2"	T0-8HDPE
	5/8"	T0-10HDPE
	3/4"	T0-12HDPE
	1"	T0-16HDPE

** models with * (asterisk) are not NSF-certified*

EJ tee threaded tube connectors



PVDF, virgin
Excellent chemical resistance


 Certified to NSF/ANSI 61 NSF/ANSI 51	Thread- Tube	Designation
	1/8" BSPT • 5/32"	T2B-2.5NK
	1/8" BSPT • 1/4"	T2B-4NK
	1/8" BSPT • 3/8"	T2B-6NK
	1/4" BSPT • 5/32"	T4B-2.5NK
	1/4" BSPT • 3/16"	T4B-3NK
	1/4" BSPT • 1/4"	T4B-4NK
	1/4" BSPT • 5/16"	T4B-5NK
	1/4" BSPT • 3/8"	T4B-6NK
	1/4" BSPT • 1/2"	T4B-8NK
3/8" BSPT • 1/4"	T6B-4NK	
3/8" BSPT • 5/16"	T6B-5NK	
3/8" BSPT • 3/8"	T6B-6NK	
3/8" BSPT • 1/2"	T6B-8NK	

Polypropylene, virgin
Good chemical resistance


Thread- Tube	Designation
1/8" BSPT • 5/32"	T2B-2.5PP
1/8" BSPT • 1/4"	T2B-4PP
1/8" BSPT • 3/8"	T2B-6PP
1/4" BSPT • 5/32"	T4B-2.5PP
1/4" BSPT • 3/16"	T4B-3PP
1/4" BSPT • 1/4"	T4B-4PP
1/4" BSPT • 5/16"	T4B-5PP
1/4" BSPT • 3/8"	T4B-6PP
1/4" BSPT • 1/2"	T4B-8PP
3/8" BSPT • 1/4"	T6B-4PP
3/8" BSPT • 5/16"	T6B-5PP
3/8" BSPT • 3/8"	T6B-6PP
3/8" BSPT • 1/2"	T6B-8PP

Polypropylene fittings are not NSF-certified

Nylon, virgin
Good mechanical strength

 Certified to NSF/ANSI 61 NSF/ANSI 51	Thread - Tube	Designation
	1/8" BSPT • 5/32"	T2B-2.5NN
	1/8" BSPT • 1/4"	T2B-4NN
	1/8" BSPT • 3/8"	T2B-6NN
	1/4" BSPT • 5/32"	T4B-2.5NN
	1/4" BSPT • 3/16"	T4B-3NN
	1/4" BSPT • 1/4"	T4B-4NN
	1/4" BSPT • 5/16"	T4B-5NN
	1/4" BSPT • 3/8"	T4B-6NN
	1/4" BSPT • 1/2"	T4B-8NN
3/8" BSPT • 1/4"	T6B-4NN	
3/8" BSPT • 5/16"	T6B-5NN	
3/8" BSPT • 3/8"	T6B-6NN	
3/8" BSPT • 1/2"	T6B-8NN	

High-density polypropylene, virgin
Excellent chemical resistance

 Certified to NSF/ANSI 61 NSF/ANSI 51	Thread - Tube	Designation
	1/8" BSPT • 5/32"	T2B-2.5HDPE
	1/8" BSPT • 1/4"	T2B-4HDPE
	1/8" BSPT • 3/8"	T2B-6HDPE
	1/4" BSPT • 5/32"	T4B-2.5HDPE
	1/4" BSPT • 3/16"	T4B-3HDPE
	1/4" BSPT • 1/4"	T4B-4HDPE
	1/4" BSPT • 5/16"	T4B-5HDPE
	1/4" BSPT • 3/8"	T4B-6HDPE
	1/4" BSPT • 1/2"	T4B-8HDPE
3/8" BSPT • 1/4"	T6B-4HDPE	
3/8" BSPT • 5/16"	T6B-5HDPE	
3/8" BSPT • 3/8"	T6B-6HDPE	
3/8" BSPT • 1/2"	T6B-8HDPE	

EJ Y tube connectors



PVDF, virgin
Excellent chemical resistance

 Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	1/8"	Y0-2NK
	3/16"	Y0-3NK
	1/4"	Y0-4NK
	3/8"	Y0-6NK
	1/2"	Y0-8NK

Polypropylene, virgin
Good chemical resistance

Size	Designation
1/8"	Y0-2PP
3/16"	Y0-3PP
1/4"	Y0-4PP
3/8"	Y0-6PP
1/2"	Y0-8PP

Polypropylene fittings are not NSF-certified

Nylon, virgin
Good mechanical strength

 Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	1/8"	Y0-2NN
	3/16"	Y0-3NN
	1/4"	Y0-4NN
	3/8"	Y0-6NN
	1/2"	Y0-8NN


High-density polypropylene, virgin
Excellent chemical resistance

 Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	1/8"	Y0-2HDPE
	3/16"	Y0-3HDPE
	1/4"	Y0-4HDPE
	3/8"	Y0-6HDPE
	1/2"	Y0-8HDPE

EJ plugs



PVDF, virgin
Excellent chemical resistance


 Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	1/4" BSPT	P4BNK
	3/8" BSPT	P6BNK

Polypropylene, virgin
Good chemical resistance


Size	Designation
1/4" BSPT	P4BPP
3/8" BSPT	P6BPP

Polypropylene fittings are not NSF-certified

Nylon, virgin
Good mechanical strength

 Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	1/4" BSPT	P4BNN
	3/8" BSPT	P6BNN

High-density polypropylene, virgin
Excellent chemical resistance

 Certified to NSF/ANSI 61 NSF/ANSI 51	Size	Designation
	1/4" BSPT	P4BHDPE
	3/8" BSPT	P6BHDPE

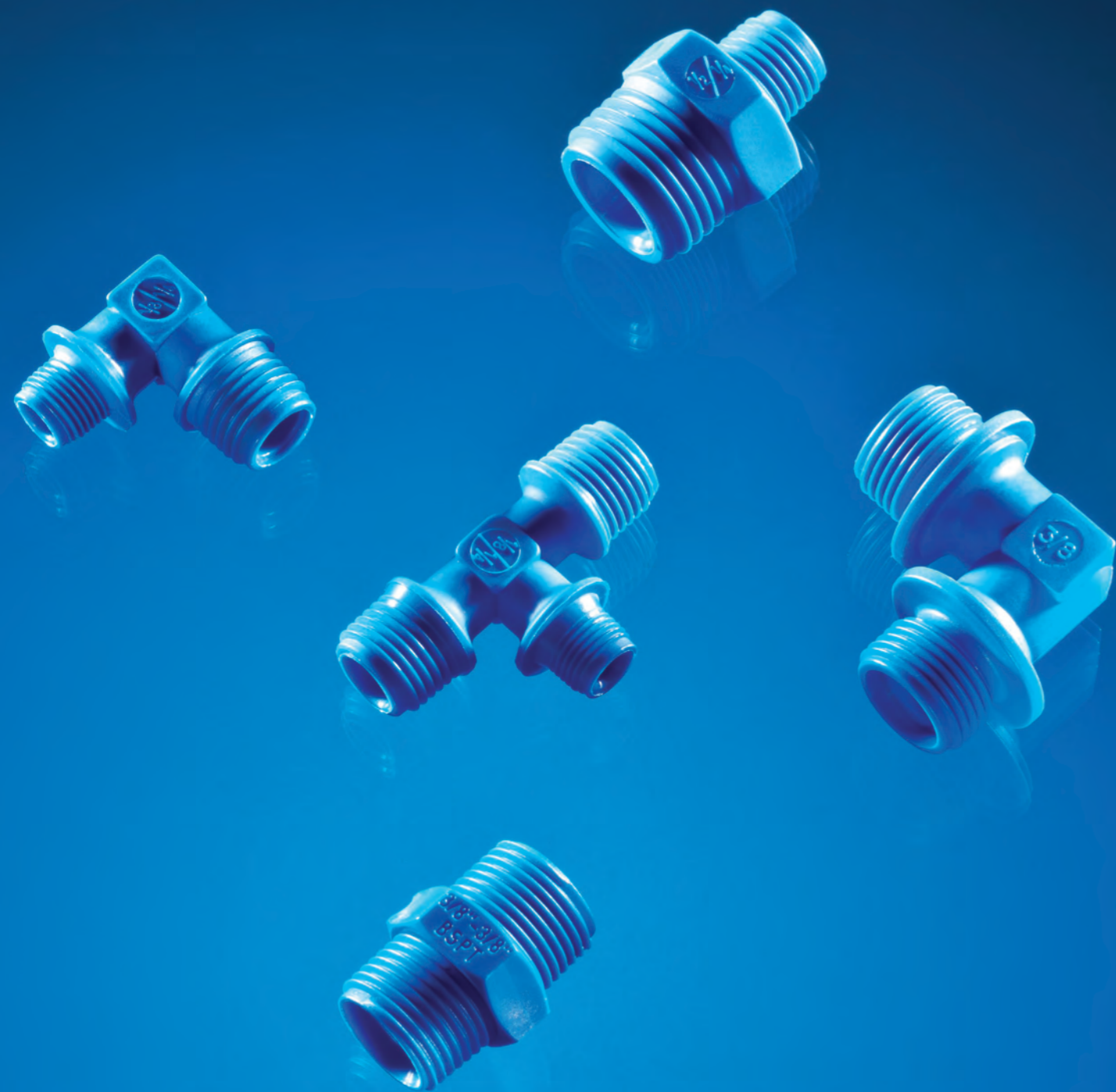
10.4.

TEF threaded fittings

TEF fittings are thread connectors to connect pipe threads of nominal sizes from 1/8" to 1/2". The TEF range includes reducers, elbows and tees, as well as simple double nipples, plugs

and caps. TEF threaded fittings are made from Nylon 66 and dyed blue. Thanks to the excellent thermal and mechanical properties of Nylon 66, TEF threaded fittings are suitable for

operating temperatures of up to 120°C and maximum operating pressures of 14 bar.



TEF threaded fittings

Technical data			
Material	Temperature (°C)	Pressure (bar)	Colour
Nylon 66	-20°C - +110°C	max. 14 bar	blue



TEF double nipple, MT/MT BSPT

Thread size

inch

1/8"	1/4"	3/8"	1/2"
------	------	------	------



TEF double nipple, MT/MT BSPT reducing

Thread size

inch

1/4" > 1/8"	3/8" > 1/8"	1/2" > 1/8"
	3/8" > 1/4"	1/2" > 1/4"
		1/2" > 3/8"



TEF reducer, FT/MT BSPT

Thread size

inch

1/4" > 1/8"	3/8" > 1/8"	1/2" > 1/8"	3/4" > 1/4"
	3/8" > 1/4"	1/2" > 1/4"	3/4" > 3/8"
		1/2" > 3/8"	3/4" > 1/2"



TEF connector sleeve FT/FT BSPT

Thread size

inch

1/8"	1/4"	3/8"	1/2"
------	------	------	------



TEF reducer sleeve FT/FT BSPT

Thread size

inch

1/4" > 1/8"	3/8" > 1/8"		3/4" > 1/4"
	3/8" > 1/4"	1/2" > 1/4"	3/4" > 3/8"
		1/2" > 3/8"	3/4" > 1/2"

TEF threaded fittings



TEF plug MT BSPT

Thread size inch				
1/8"	1/4"	3/8"	1/2"	3/4"



TEF cap FT BSPT

Thread size inch				
1/8"	1/4"	3/8"	1/2"	3/4"



TEF elbow MT/MT BSPT

Thread size inch			
1/8"	1/4"	3/8"	1/2"



TEF elbow, MT/MT BSPT reducing

Thread size inch		
1/8" > 1/8"	3/8" > 1/4"	1/2" > 3/8"

TEF threaded fittings



TEF tee, MT/MT/MT BSPT

Thread size inch			
1/8"	1/4"	3/8"	1/2"



TEF tee, MT/MT/MT BSPT reducing

Tee end reducing/extending

Thread size inch				
1/8" > 1/4"	1/4" > 1/8"	3/8" > 1/4"	1/4" > 3/8"	1/2" > 3/8"
		3/8" > 1/2"		



TEF tee MT/MT/MT BSPT

Tee end reducing/extending

Thread size inch				
1/8" > 1/4"	1/4" > 1/8"	3/8" > 1/4"	1/4" > 3/8"	1/2" > 3/8"
		3/8" > 1/2"		

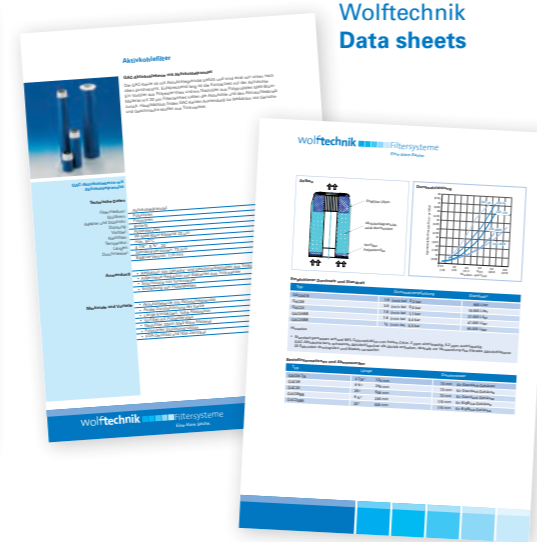
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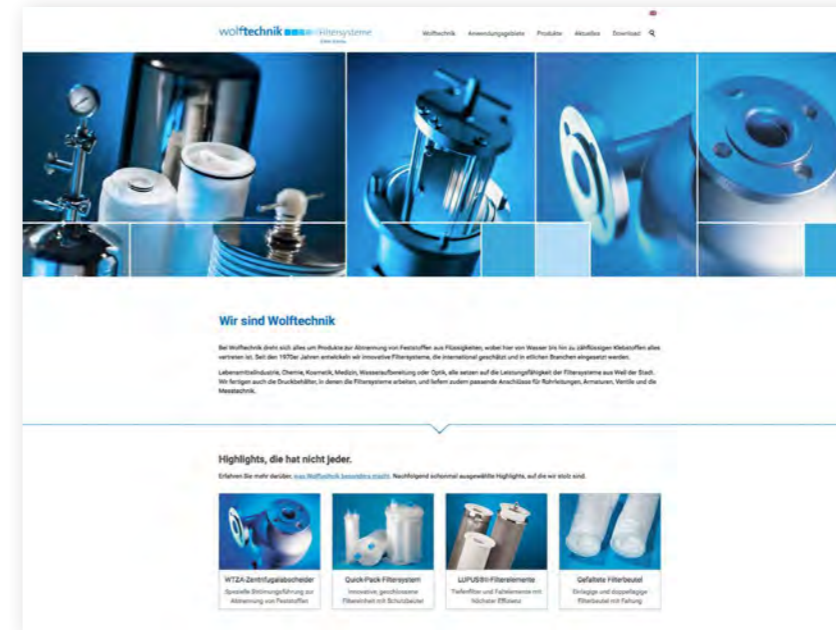
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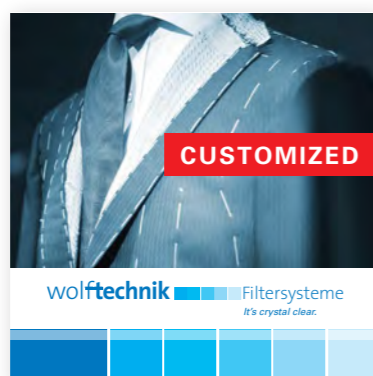
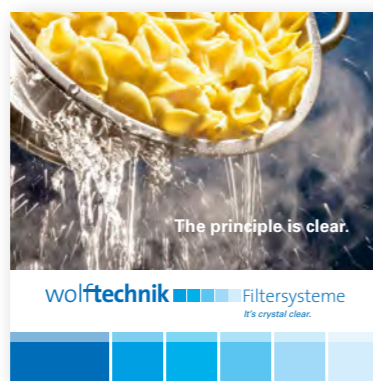
Wolftechnik Data sheets



Wolftechnik website www.wolftechnik.de/en



Wolftechnik Brochure



Imprint

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