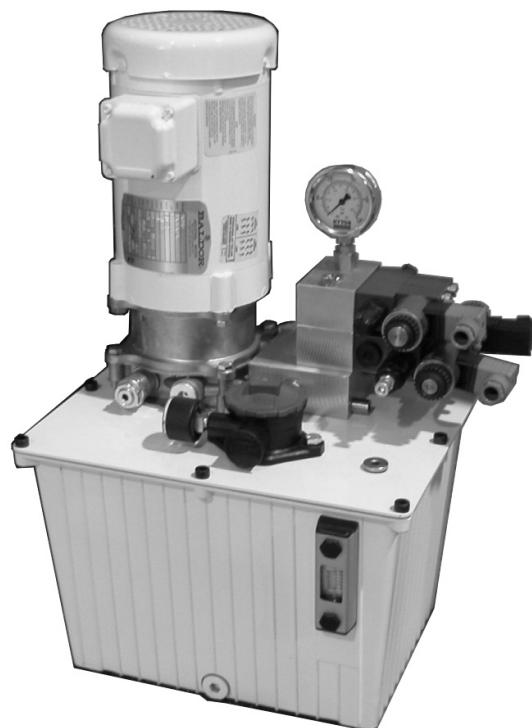
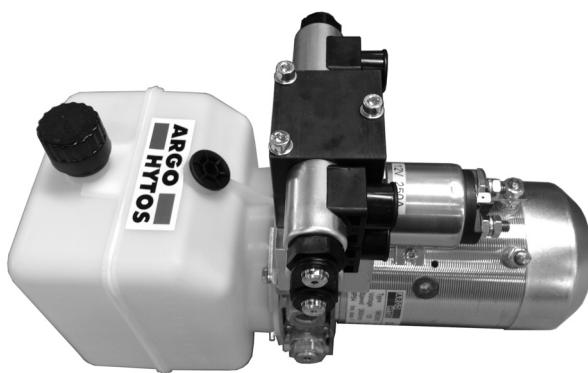


- Compact Hydraulic Power Packs for use in Lift- platforms, Lift-tables, Ramps, Presses, Machine Tools, Mobile and other applications
- 3 basic hydraulic circuits integrated in the Die-cast Adapter Block, others per request, also optional double pumps
- Additional circuits can be added in form of manifolds or standard vertical or horizontal stack assemblies
- Usable Reservoir capacities from 0.4 to 10.3 Gallon, 1.5 to 39 liter, made of Plastic or Alum.-diecastings. Custom Reservoirs per request.
- Gear pumps with low noise levels



## Functional Description

Each power pack consists of an electric motor, a pump, a manifold and a tank. The aluminum Die-cast Body forms the base of the power pack, on which all the main components, including the hydraulic elements, are mounted. The function of the power packs is apparent from the respective hydraulic circuit diagrams. The desired combination of particular components and hydraulic elements can be defined by reference to the ordering code and the respective tables. The lay-out of additional circuits is defined by an application number which determines the manufacturer.

The hydraulic circuits can be accomplished in sizes 03, 04 and 06. The size 03 is in a form of sectional directional valves.

The mounting position of the power pack is either horizontal or vertical - see the Power Pack Dimensions on pages 10 to 15. All ports have 9/16-18 UNF SAE J1926-1 internal threads.

With the standard model the connecting ports A, B of the components of the vertical stacking assembly are oriented onto one side. Orientation of ports A, B each onto another side is to be agreed with the manufacturer. The basic combinations of electric motors and pumps, as well as their code designations, are shown in tables 1, 2 and 3.

Information regarding the basic power pack surface treatment is on page 3.

## Ordering Code

**USMA 05-**

[ ] . [ ] [ ] [ ] / [ ] - [ ] [ ] [ ] [ ]

**Compact Power-Pack**

**Pump displacement  
in cm<sup>3</sup>**

Series P	
0.049 (0.8)	<b>08</b>
0.073 (1.2)	<b>12</b>
0.098 (1.6)	<b>16</b>
0.128 (2.1)	<b>21</b>
0.153 (2.5)	<b>25</b>
0.201 (3.3)	<b>33</b>
0.220 (3.6)	<b>36</b>
0.269 (4.4)	<b>44</b>
0.293 (4.8)	<b>48</b>
0.354 (5.8)	<b>58</b>
0.378 (6.2)	<b>62</b>
0.482 (7.9)	<b>79</b>

**Code of the electric motor**  
(see tables 1, 2 and 3)

**DC electric motor**  
with Starter Switch

**R**

**Single-phase electric motor**  
without starting module  
with starting module

**0 M**

3-phase electric motor

**0**

**Type of hydraulic circuit**  
see table on pages 7

**Tank code**  
see pages 10 - 15

**Solenoid voltage**

**01200**

12V DC

**02400**

24V DC

**12060**

120V / 50 (60)Hz  
Other voltages per request -  
consult factory

**Nominal size of stacking  
assembly elements**

**0 3 4 6**

Without stacking assembly  
Size 03  
Size D02 (04)  
Size D03 (06)  
(see page 11)

**0 1 2 3 4 5**

**Number of add-on units**  
without stacking assembly  
1 Section  
2 Sections  
3 Sections  
4 Sections  
5 Sections  
(see page 11)

**Type of stacking assembly**

without stacking assembly  
Configuration B  
Configuration C  
Configuration D  
Configuration E  
Configuration F  
(see page 11)

**0 B C D E F**

**0 F**

**Foot bracket**  
without foot bracket  
low foot bracket

**0 S R\* E\* M\***

**Type of filter used**

without filter  
suction filter  
return line filter without indication  
return line filter with el. indication  
return line filter with manometer  
\* for tank codes 71 - 74 only

## Technical Data

Flow rate	GPM	see tables 1, 2 and 3					
Working pressure	PSI	see tables 1, 2 and 3					
Tank capacity	gal (L)	0.528 - 11.6 (2 - 44)					
Type of pump	external gear pump, left-hand rotation						
Nominal pressure / max. pressure	PSI	see tables 1, 2					
Power of electric motor	see tables 1, 2 and 3						
Type of electric motor			single phase	three phase			
Voltage of the electric motor (specials for request)	V	115-230	230/460	12/24			
Frequency	Hz	60	60	-			
Electric motor enclosure type / insulation class			-	P 43/F			
Voltage of directional valves	V	12DC, 24DC, 115AC/ 60Hz Other voltages - CF					
Hydraulic fluid	Hydraulic oils of power classes HM, HV to CETOP RP 91 H in viscosity classes ISO VG 32, 46 and 68						
Oil Conductivity	pS/m	$\geq 500$ on $68^{\circ}$ F ( $20^{\circ}$ C)					
Viscosity range	SUS ( $\text{mm}^2/\text{s}$ )	98 ... 461(20 ... 100)					
Max. degree of fluid contamination	Class 21/18/15 to ISO 4406 (1999)						
Filtration (suction/return)	$\mu\text{m}$	60/12					
Fluid temperature range	$^{\circ}\text{F}$ ( $^{\circ}\text{C}$ )	+32 ... 158 (0 ... +70)					
Fluid temperature range for a short term 10 minute max.	$^{\circ}\text{F}$ ( $^{\circ}\text{C}$ )	-68 (-20) minimum	+176 (+80) maximum				
Ambient temperature range	$^{\circ}\text{F}$ ( $^{\circ}\text{C}$ )	-77 ... +122 (-25 ... +50)					
Thread of the connectiong ports P, T, A, B, M	9/16-18 UNF SAE J1926-1(6 SAE)						
Mounting position	horizontal, vertical						

## Standard Surface Treatment

Model	Material used	Surface treatment
Aluminium tank/cover	Alu-die-cast/Steel	Komaxit RAL 7030
Plastic tank	MOSTEN (transparent)	Without surface treatment
DC electric motor		Zinc coated
AC electric motor		As per motor supplier
Other components to manufacturer standard		

Note: Other surface treatment - Consult factory

**Table 1a Three-phase motor**

Code of the electric motor			Code of the pump													
			08 P2-...	12 P2-...	16 P2-...	21 P2-...	25 P2-...	33 P2-...								
p <sub>max.</sub> ** [PSI]			3626													
460V	n[R.P.M.]	p[HP]	Q/p <sub>n.</sub> * [GPM] / [PSI]													
9	1725	1/4	0.4	928	0.6	638	0.7	479	0.9	377						
10		1/3	0.4	1233	0.6	841	0.7	638	0.9	508	1.1	421				
11		1/2	0.4	1857	0.6	1262	0.7	957	0.9	769	1.1	638				
12		3/4	0.4	2785	0.6	1900	0.7	1436	0.9	1146	1.1	957				
13		1			0.6	2524	0.7	1915	0.9	1523	1.1	1276				
14		11/2					0.7	2886	0.9	2292	1.1	1900				
15		2							0.9	2901	1.1	2538				
16		3										1.4				
17		5														
25	3450	1/3	0.7	624	1.1	421										
26		1/2	0.7	928	1.1	638	1.4	479	1.8	377						
27		3/4	0.7	1392	1.1	943	1.4	725	1.8	566	2.2	479				
28		1	0.7	1857	1.1	1262	1.4	957	1.8	769	2.2	638				
29		11/2	0.7	2785	1.1	1900	1.4	1436	1.8	1146	2.2	957				
30		2			1.1	2524	1.4	1914	1.8	1523	2.2	1276				
31		3							1.8	2292	2.2	1900				
32		5									2.2	2901				
												2.9				
												2393				

**Table 1b**

Code of the electric motor			Code of the pump									
			36 P2-...	44 P2-...	48 P2-...	58 P2-...	62 P2-...	79 P2-...				
p <sub>max.</sub> ** [PSI]			3626				2901				2320	
460V	n[R.P.M.]	p[HP]	Q/p <sub>n.</sub> * [GPM] / [PSI]									
9	1725	1/4										
10		1/3										
11		1/2	1.6	435	1.9	363						
12		3/4	1.6	667	1.9	551	2.1	493	2.5	406	2.7	392
13		1	1.6	885	1.9	725	2.1	667	2.5	551	2.7	508
14		11/2	1.6	1320	1.9	1088	2.1	1001	2.5	827	2.7	769
15		2	1.6	1769	1.9	1450	2.1	1334	2.5	1102	2.7	1030
16		3	1.6	2654	1.9	2176	2.1	2002	2.5	1653	2.7	1537
17		5				2.1	2901	2.5	2741	2.7	2567	3.4
25	3450	1/3										
26		1/2										
27		3/4	3.1	334								
28		1	3.1	435	3.8	363	4.2	334				
29		11/2	3.1	667	3.8	551	4.2	493				
30		2	3.1	885	3.8	725	4.2	667				
31		3	3.1	1320	3.8	1088	4.2	1001				
32		5	3.1	2205	3.8	1813	4.2	1668				

\* p<sub>n.</sub> - nominal pressure = the highest working pressure allowed without time restriction\*\* p<sub>max.</sub> - maximum pressure = maximum pressure allowed for a short time - max. 20s

**Table 2a Single phase motor**

Code of the electric motor		Code of the pump										
		08 P2...	12 P2...	16 P2...	21 P2...	25 P2...	33 P2...					
p <sub>max.</sub> ** [PSI]		3626										
230V	n[R.P.M.]	p[HP]	Q/p <sub>n</sub> * [GPM] / [PSI]									
1	1725	1/4	0.4	928	0.6	638	0.7	479	0.9	377	1.1	319
2		1/3	0.4	1233	0.6	841	0.7	638	0.9	508	1.1	421
3		1/2	0.4	1857	0.6	1262	0.7	957	0.9	769	1.1	638
4		3/4			0.6	1900	0.7	1436	0.9	1146	1.1	957
5		1					0.7	1915	0.9	1523	1.1	1276
6		11/2							0.9	2901	1.1	1900
7		2										1.4
8		3										1914
18	3450	1/3	0.7	624	1.1	421	1.4	319	1.8	261		
19		1/2	0.7	928	1.1	638	1.4	479	1.8	377	2.2	319
20		3/4	0.7	1392	1.1	943	1.4	725	1.8	566	2.2	479
21		1	0.7	1857	1.1	1262	1.4	957	1.8	769	2.2	638
22		11/2	0.7	2785	1.1	1900	1.4	1436	1.8	1146	2.2	957
23		2			1.1	2524	1.4	1914	1.8	1523	2.2	1276
24		3					1.4	2886	1.8	2901	2.2	1900
												1436

**Table 2b**

Code of the electric motor		Code of the pump										
		36 P2...	44 P2...	48 P2...	58 P2...	62 P2...	79 P2...					
p <sub>max.</sub> ** [PSI]		3626										
230V	n[R.P.M.]	p[HP]	Q/p <sub>n</sub> * [GPM] / [PSI]									
1	1725	1/4										
2		1/3	1.6	290	1.9	247						
3		1/2	1.6	435	1.9	363	2.1	334	2.5	276	2.7	261
4		3/4	1.6	667	1.9	551	2.1	493	2.5	406	2.7	392
5		1	1.6	885	1.9	725	2.1	667	2.5	551	2.7	508
6		11/2	1.6	1320	1.9	1088	2.1	1001	2.5	827	2.7	769
7		2	1.6	1770	1.9	1450	2.1	1334	2.5	1102	2.7	1030
8		3			1.9	2176	2.1	2002	2.5	1653	2.7	1537
18	3450	1/3										
19		1/2										
20		3/4	3.1	334	3.8	276						
21		1	3.1	435	3.8	363	4.2	334				
22		11/2	3.1	667	3.8	551	4.2	493				
23		2	3.1	885	3.8	725	4.2	667				
24		3	3.1	1320	3.8	1088	4.2	1001				

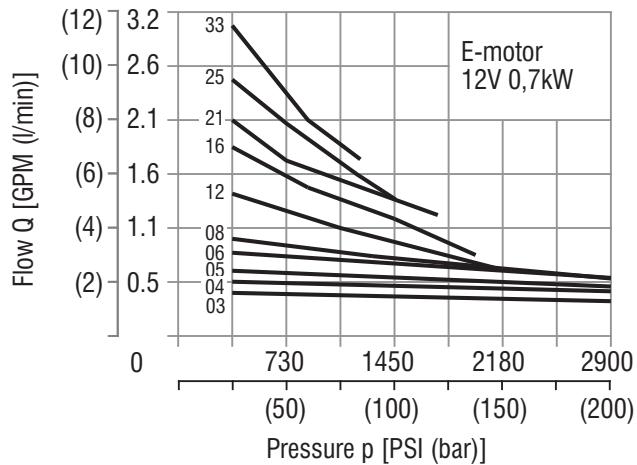
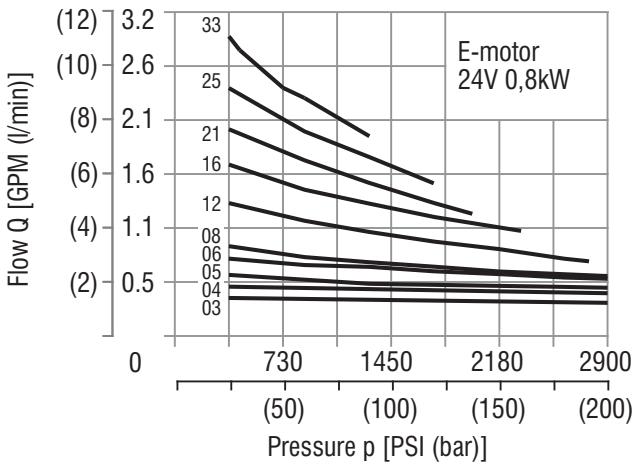
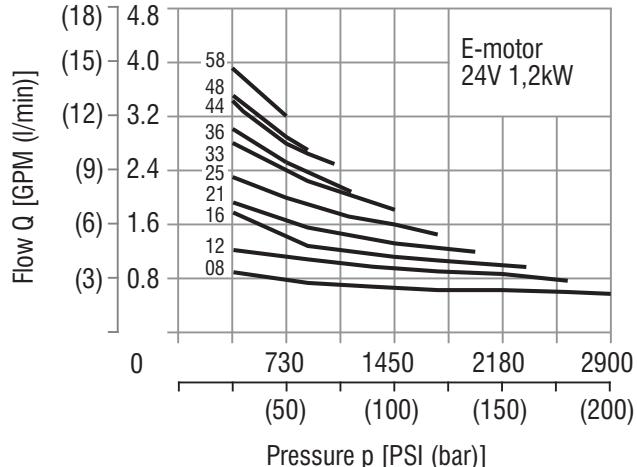
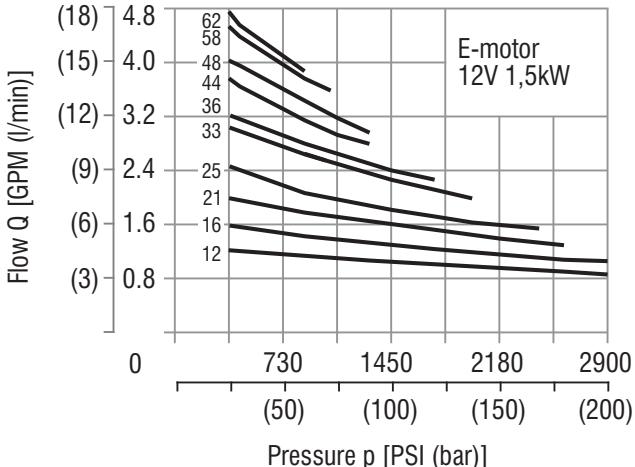
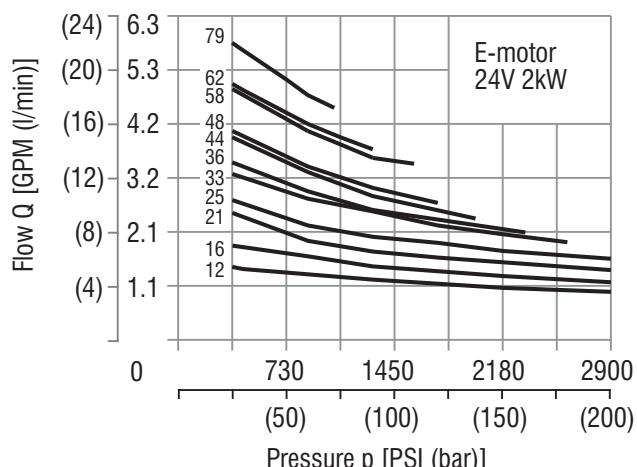
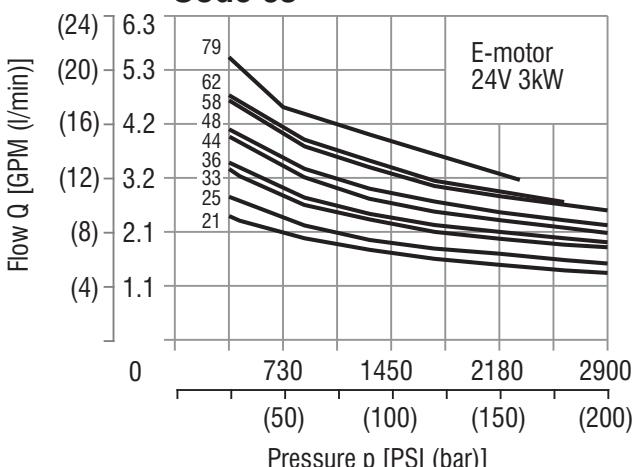
\* p<sub>n</sub> - nominal pressure = the highest working pressure allowed without time restriction\*\* p<sub>max.</sub> - maximum pressure = maximum pressure allowed for a short time - max. 20s**Table 3**

12V	24V	HP (kW)	Code of the pump 40 - 63
Code of the electric motor			Q GPM (L/min) /p PSI (bar)
45	/	1 (0.70)	
	44	1 (0.80)	
/	46	11/2 (1.20)	
51	/	2 (1.50)	
/	52	21/2 (2.00)	
/	63	4 (3.00)	

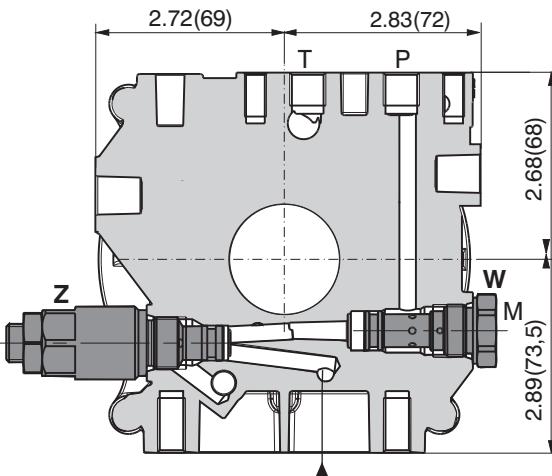
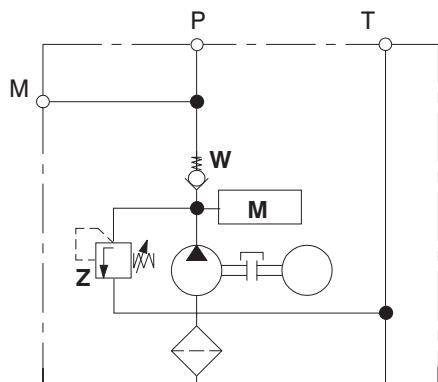
See characteristics on page 6

**Attention!** The DC motors must be loaded, so as to reduce the revolutions! Do not run the motors without pressure loading!

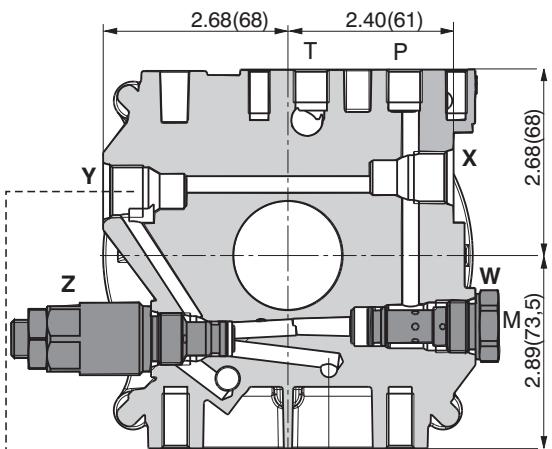
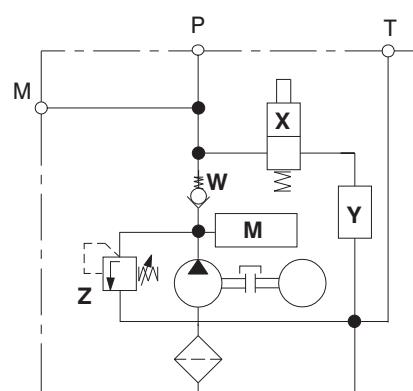
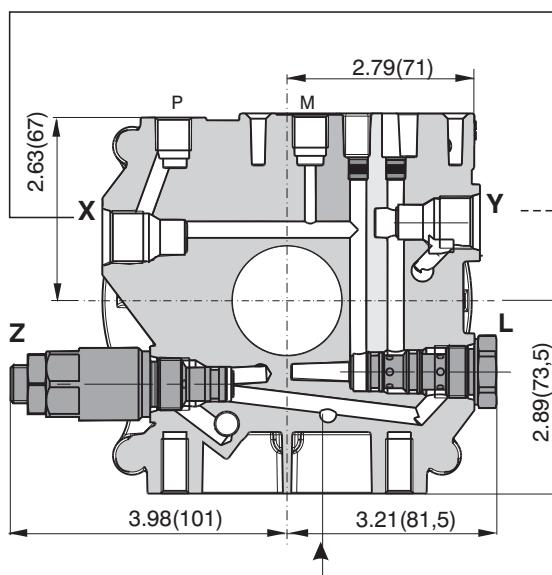
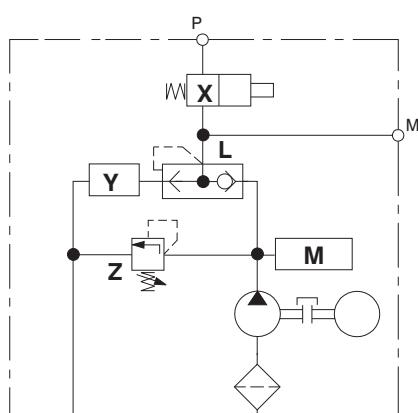
## Characteristics

**Code 45****Code 44****Code 46****Code 51****Code 52****Code 63**

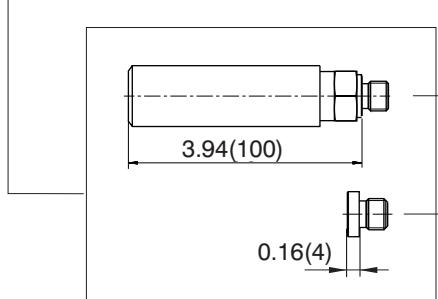
# Basic Hydraulic Circuit Diagrams

**A**

Mounted on the side of the pump via thread G1/4

**C<sub>XY</sub>****E<sub>XY</sub>**

Mounted on the side of the pump via thread G1/4



Type	Ordering No.	Symbols
M Starting module	736-2801	
O Plug VSTI G1/4	336 350 000 014	

Exact position of the starting module or plug ... ref. page 18 .

X	X Type of valve	Functional symbol
	5 SD1M1-A2/SL3 + lever with micro switch 4 SD1M1-A2/SL2 + lever without micro switch	
	3 SD1M-A2/SL1	
	2 SD3E-A2/H2O2 1 SD3E-A2/H2L2	
	0 336312341602	

Y	Y Type of throttle valve	Functional symbol
	Manually controlled pump – upon request	
	2 SF22A-A2/H*	
	* The size of the throttle valve corresponds regularly with the flow rate Q of the pump used. Other throttle valve size on request of the customer.	
	1 VSV1-UNF	
	0 531-0602 pro X = 0	
	0 336 312 341 602 pro X ≠ 0	

Z Pilot Operated Pressure Relief Valve SR1A-A2/S - Pressure range see data sheet HU 5063

W Check Valves SC1F-A3/C

L Logical valve SSH1H-A3/C

## Table of Dimensions

Single-phase and three-phase motors						- Dimensions of motor		
Code of EM	Motor	Power [HP(kW)]	Voltage [V]	Current [A]*	R.P.M. **	B [inch]	C [inch]	D [inch]
1		1/4 (0.188)	115/208-230	5/2.6-2.5	1725	9.29	4.51	6.19
2		1/3 (0.25)	115/208-230	6/3.2-3	1725	9.29	4.51	6.19
3		1/2 (0.375)	115/208-230	7.4/3.9-3.7	1725	10.39	4.51	6.19
4		3/4 (0.563)	115/208-230	8.2/4.5-4.1	1725	10.39	4.52	6.19
5		1 (0.75)	115/208-230	12.8/7-6.4	1725	10.79	5.25	7.19
6		1 1/2 (1.125)	115/208-230	18/8.4-8	1725	10.79	5.22	7.19
7		2 (1.5)	115/208-230	23/11.7-11.5	1725	10.79	6.00	8.49
8		3 (2.25)	115/208-230	28/15.5-14	1725	10.79	6.00	8.49
9		1/4 (0.188)	208-230/460	1.4-1.3/0.65	1725	9.29	4.53	6.19
10		1/3 (0.25)	208-230/460	1.8-1.6/0.8	1725	9.29	4.53	6.19
11		1/2 (0.375)	208-230/460	2.1-2/1	1725	10.39	4.53	6.19
12		3/4 (0.563)	208-230/460	3.2-3/1.5	1725	10.39	4.53	6.19
13		1 (0.75)	208-230/460	3.7-3.4/1.7	1725	10.79	4.51	6.19
14		1 1/2 (1.125)	208-230/460	5.3-5/2.5	1725	10.79	5.22	7.19
15		2 (1.5)	208-230/460	6.5-6.2/3.1	1725	12.13	5.22	7.19
16		3 (2.25)	208-230/460	8.5-8.2/4.1	1725	12.13	5.22	7.19
17		5 (3.75)	208-230/460	15-13.2/6.6	1725	13.78	6.00	8.49
18		1/3 (0.25)	115/208-230	6/3.2-3	3450	13.78	4.51	6.19
19		1/2 (0.375)	115/208-230	7.4/3.9-3.7	3450	9.29	4.51	6.19
20		3/4 (0.563)	115/208-230	9.6/5-4.8	3450	9.29	4.51	6.19
21		1 (0.75)	115/208-230	11.8/6.1-5.9	3450	10.39	5.25	7.19
22		1 1/2 (1.125)	115/208-230	16/8.4-8	3450	10.39	5.25	7.19
23		2 (1.5)	115/208-230	23/12-11.5	3450	10.79	5.25	7.19
24		3 (2.25)	115/208-230	29/15-14.5	3450	10.79	6.00	8.49
25		1/3 (0.25)	208-230/460	1.5-1.4/0.7	3450	12.13	4.53	6.19
26		1/2 (0.375)	208-230/460	2.1-2/1	3450	13.82	4.53	6.19
27		3/4 (0.563)	208-230/460	2.7-2.6/1.3	3450	9.29	4.53	6.19
28		1 (0.75)	208-230/460	3.7-3.6/1.8	3450	9.29	4.53	6.19
29		1 1/2 (1.125)	208-230/460	4.9-4.6/2.3	3450	10.39	4.53	6.19
30		2 (1.5)	208-230/460	5.7-5.4/2.7	3450	10.39	5.22	7.19
31		3 (2.25)	208-230/460	8.1-7.6/3.8	3450	10.79	5.22	7.19
32		5 (3.75)	208-230/460	13.2-12/6	3450	10.79	6.00	8.49

\* Please be aware of the starting torque of the single-phase electric motors.

### DC electric motors

Code of EM	Power [HP(kW)]	Voltage [V]	Current [A]**	R.P.M. **	Load factor **	B [inch]	C [inch]	D [inch]
44	0.80	24	40	3300	S2 - 2.5 min    S3 - 7% ED	5.63	3.78	2.99
45	0.70	12	135	3300	S2 - 2.5 min    S3 - 4% ED	6.50	3.74	3.15
46	1.20	24	90	3000	S2 - 1.2 min    S3 - 4% ED	6.50	3.74	3.15
51	1.50	12	220	2600	S2 - 2 min    S3 - 7.5% ED	7.05	3.94	4.61
52	2.00	24	140	2600	S2 - 1.2 min    S3 - 4.5% ED	7.05	3.94	4.61
63	3.00	24	200	1700	S2 - 16 min    S3 - 10% ED	13.23	4.76	6.38

\*\* Valid for rated power values.

### Load factor

**Duty S1 (min)** – Intended for use under continuous duty cycle conditions (load factor S1) for various press-related applications and those which involve dynamic strokes, with recommendation to consult the conditions of use with manufacturer.

### Duty S2 (min) - short-time operation

The motor operates with constant load for a definite time, in order to reach the maximum permissible temperature Tmax., later on an idle period long enough to reach the equality between motor temperature and ambient temperature.

### Duty S3 (%ED) - periodic operation

The operation of the motor is a continuous sequence of identical cycle, each compound from a load period and an idle period. During the load period the motor can reach the maximum permissible temperature. S3 value shows, in percentage, the length of the load period respect to the total cycle-load period more idle period. The S3 curve quoted in the performance specifications is referred to a length's cycle of 10 minutes.

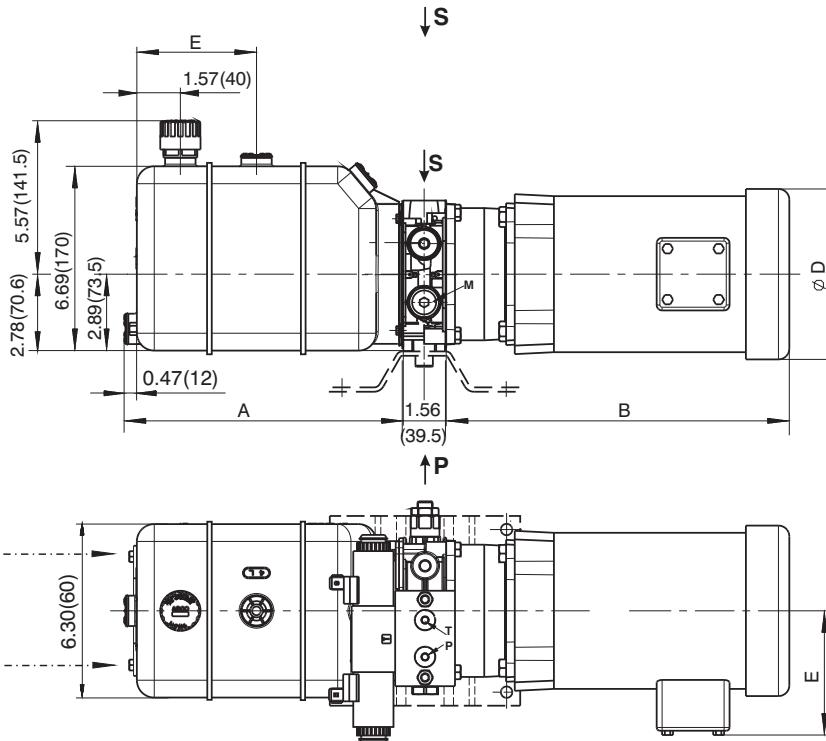
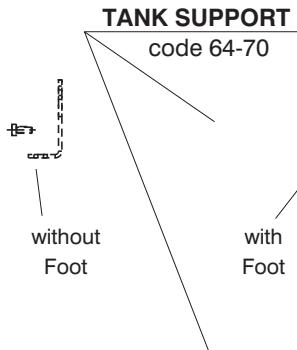
# Valve Dimensions

Dimensions in inches and millimeters (in brackets)

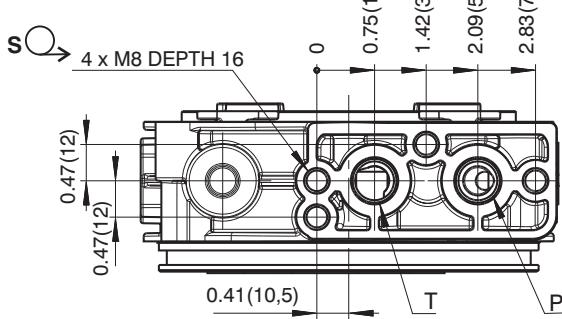
## Power pack with plastic tank - mounting position horizontal

### Lay - out of the Block

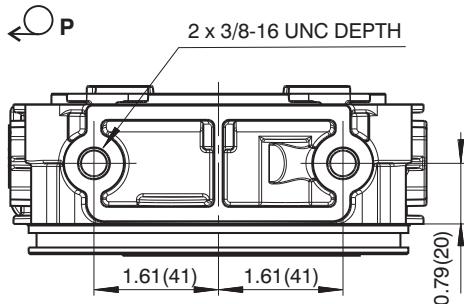
Thread of the connecting ports  
P, T, M - 9/16-18 UNF  
SAE J1926-1(-6 SAE)



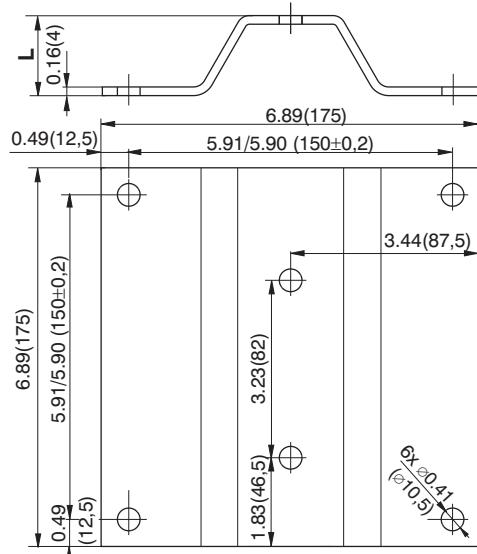
### Connecting Block



### Connection bracket



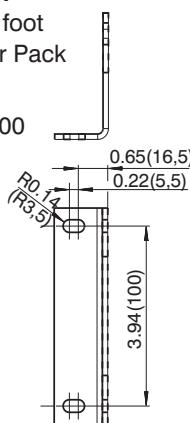
Code of the tank	Capacity in US gal [L]	Working volume US gal [L]	A	E
62	0.528 (2)	0.449 (1.7)	6.850 (174)	-
64	1.056 (4)	0.792 (3.0)	10.669 (271)	110
66	1.585 (6)	1.188 (4.5)	14.213 (361)	155
68	2.113 (8)	1.585 (6.0)	17.756 (451)	200
70	2.641(10)	1.981 (7.5)	21.299 (541)	245



### TANK SUPPORT

code 64-70 with foot  
bracket of Power Pack  
Configuration F

Part No. 23479000



Power pack foot bracket	
Typ	Dimensions L [Inch(mm)]
F	1.46 (37)
Part No. 23475600	

For AC Power units the mounting bracket is suitable for motors up to 2PH only Please use for larger motors the feet of the electric motor.

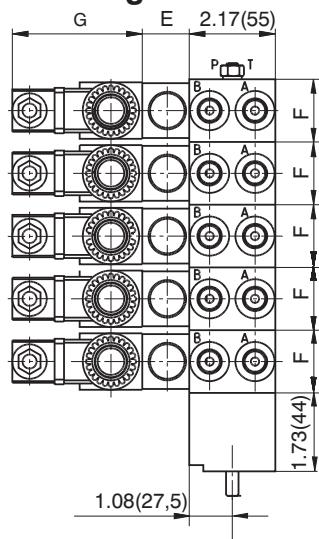
# Valve Dimensions

Dimensions in inches and millimeters (in brackets)

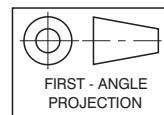
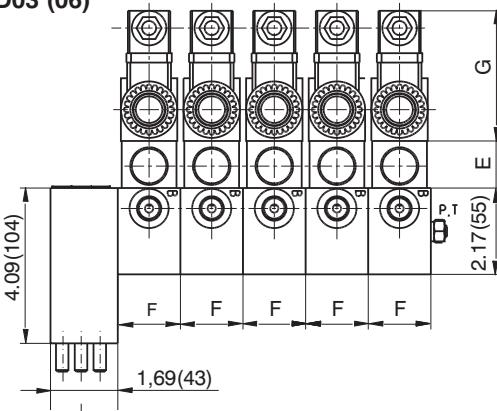
## Configurations of stacking

**Configuration C**  
Size D02 (04),  
D03 (06)

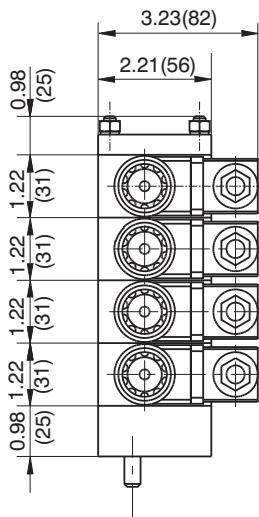
Number of  
add-on units  
**0 ÷ 5**



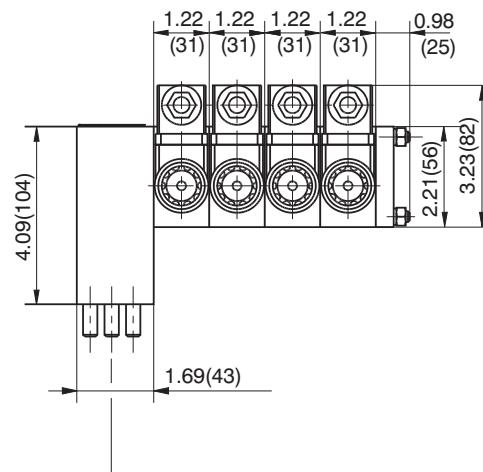
**Configuration B**  
Size D02 (04),  
D03 (06)



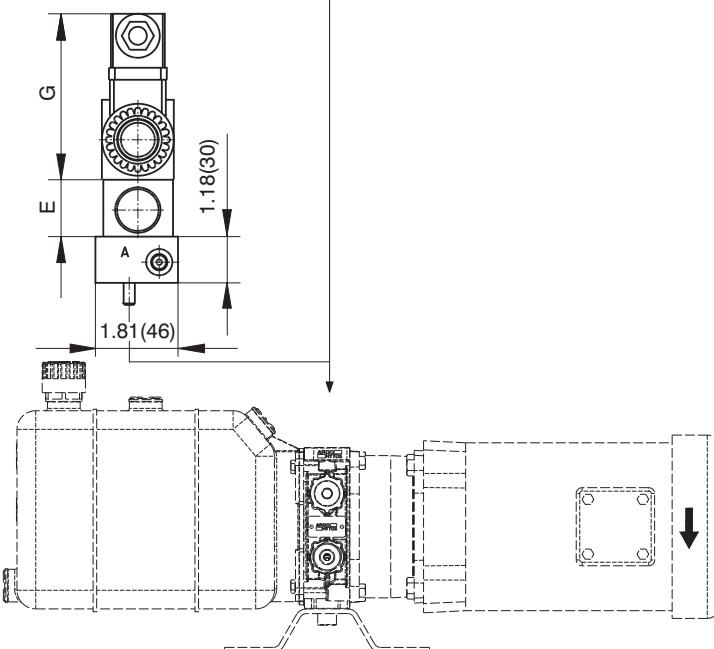
**Configuration D**  
Size 03



**Configuration E**  
Size 03



**Configuration F**  
Size D02 (04),  
D03 (06)



Thread of the connecting ports A, B, P, T, M - 9/16-18 UNF SAE J1926-1(-6SAE)

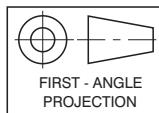
Dimension	E [in (mm)]						F [in (mm)]	G [in (mm)]
	Pressure switch	Reducing valves	Pressure relief valves	Pilot operated check valves cartridge	Check Valves	Flow Valves		
<b>Size D02 (04)</b>	1.38(35)	1.18(30)	1.38(35)	1.18(30)	1.18(30)	1.18(30)	1.57(40)	3.11(79)
<b>Size D03 (06)</b>	1.69(43)	1.77(45)	1.57(40)	1.57(40)	1.24(31.4)	1.57(40)	1.97(50)	3.62(92)

**Valve Dimensions**

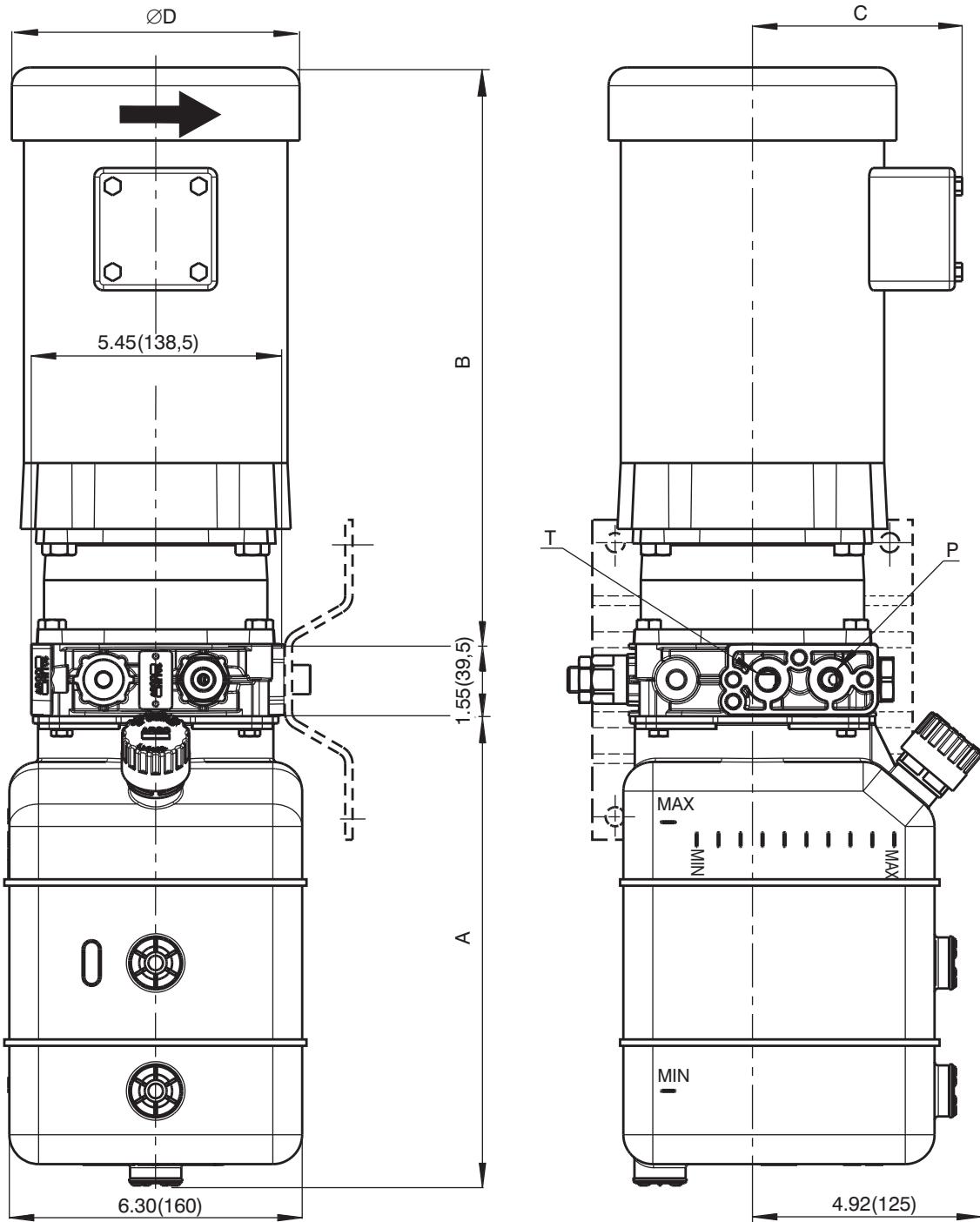
Dimensions in inches and millimeters (in brackets)

**Power pack with plastic tank - mounting position vertical**

For AC Power units the mounting bracket is suitable for motors up to 2HP only. Please use for larger motors the feet of the electric motor.



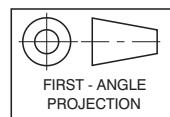
Thread of the connecting ports  
P, T, M - 9/16-18 UNF  
SAE J1926-1(-6 SAE)



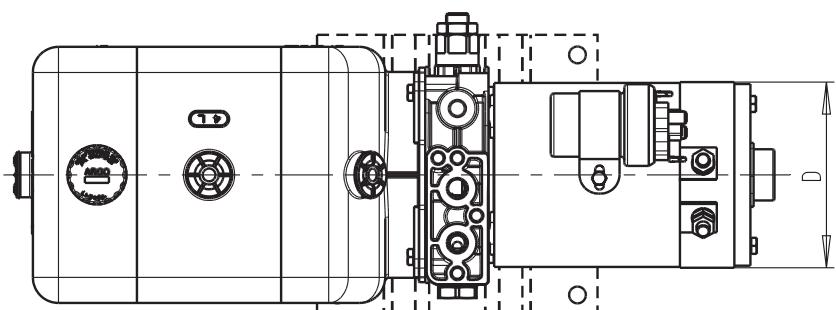
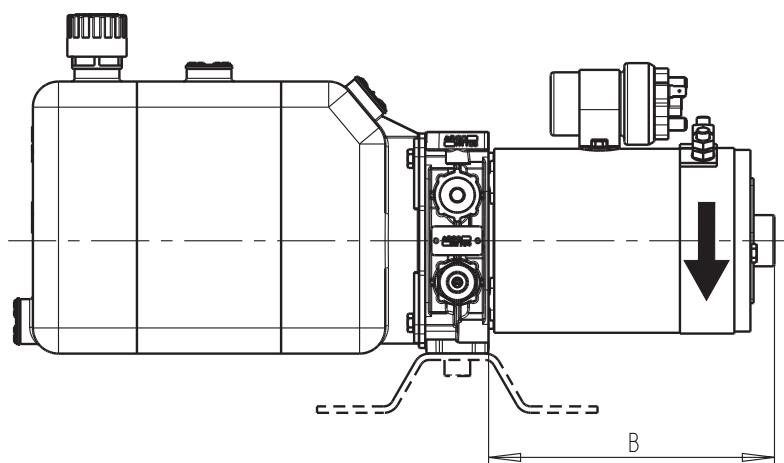
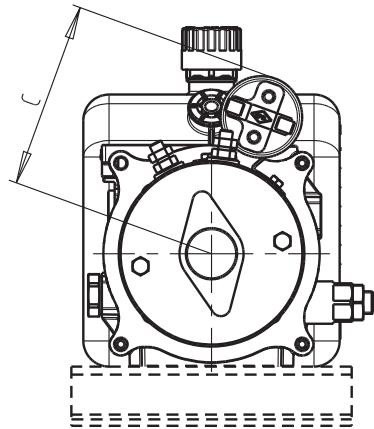
Code of the tank	Capacity in US gal [L]	Working volume US gal [L]	A
61	0.528 (2)	0.211 (1.3)	6.850 (174)
63	1.056 (4)	0.291 (3.5)	10.669 (271)
65	1.585 (6)	0.423 (5.5)	14.213 (361)
67	2.113 (8)	0.528 (7.5)	17.756 (451)
69	2.641(10)	2.509 (9.5)	21.299 (541)

**Valve Dimensions**

Dimensions in inches and millimeters (in brackets)

**Power pack with DC electric motor**

Thread of the connecting ports P, T, M - 9/16-18 UNF  
 SAE J1926-1(-6 SAE)



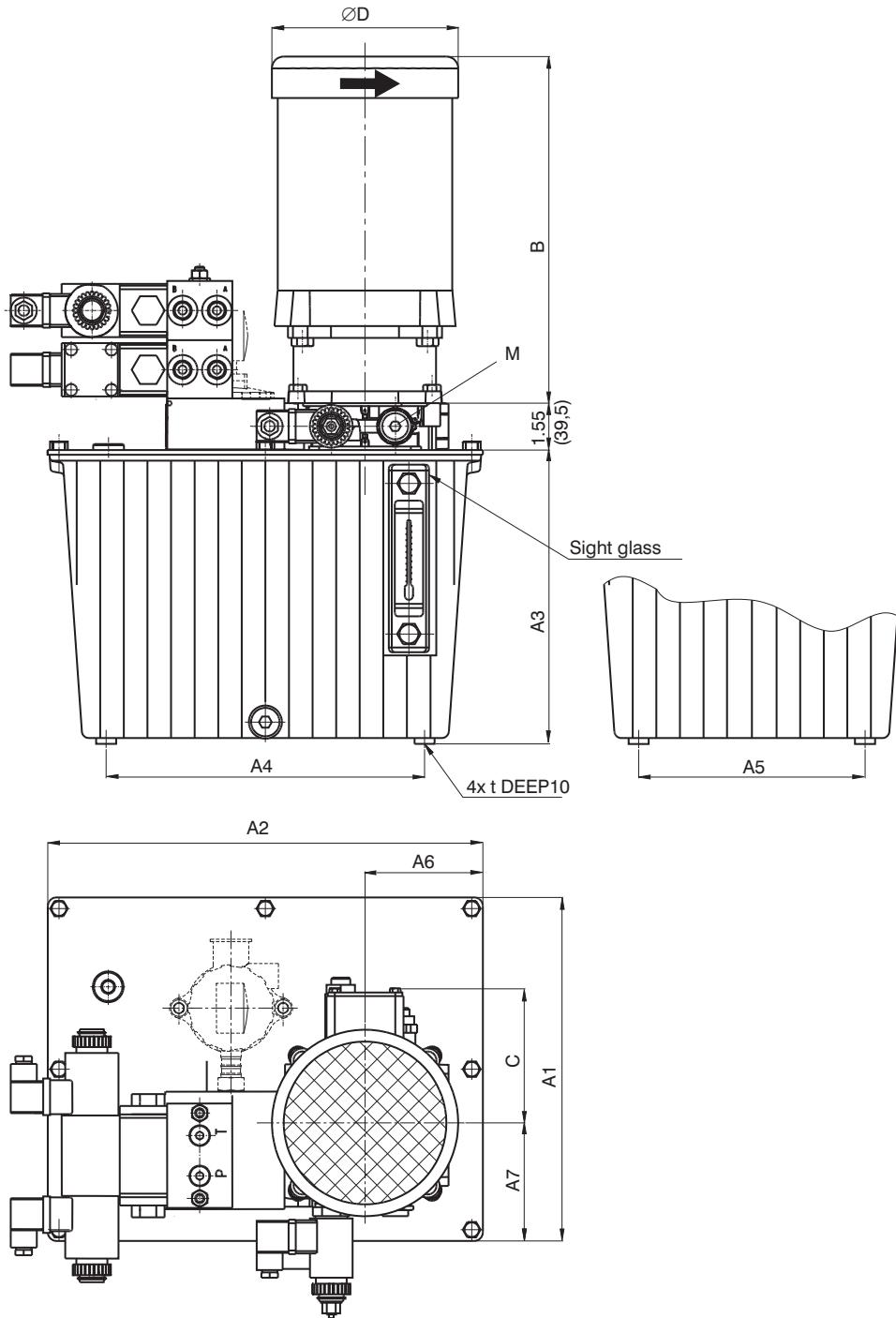
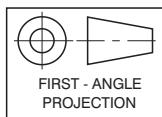
Dimensions B, C, D see Page 9.

**Valve Dimensions**

Dimensions in inches and millimeters (in brackets)

**Power pack with die-cast aluminium tank****Configuration B**

Thread of the connecting ports A, B, P, T, M - 9/16-18 UNF  
SAE J1926-1(-6 SAE)



Note: all units with tank code 71-74 shipped with sight glass and drain plug

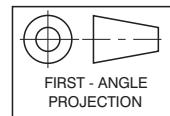
Code of the tank	Capacity in US gal [L]	Working volume US gal [L]	A1	A2	A3	A4	A5	A6	A7	t
71 (Al)	3.17 (12)	2.64 (10)	9.53(242)	12.28(312)	8.82(224)	8.86(225)	6.10(155)	4.41(112)	3.58(91)	M8
72 (Al)	5.28 (20)	4.23 (16)	11.46(291)	14.53(369)	10(254)	10.63(270)	7.56(192)	4.13(105)	5.35(136)	M8
73 (Al)	7.93 (30)	6.60 (25)	13.43(341)	19.33(491)	11.42(290)	12.83(326)	6.93(176)	4.53(115)	6.14(156)	M10
74 (Al)	11.62 (44)	10.30 (39)	16.69(424)	20.67(525)	12.60(320)	13.43(341)	9.49(241)	4.53(115)	6.93(176)	M10

# Valve Dimensions

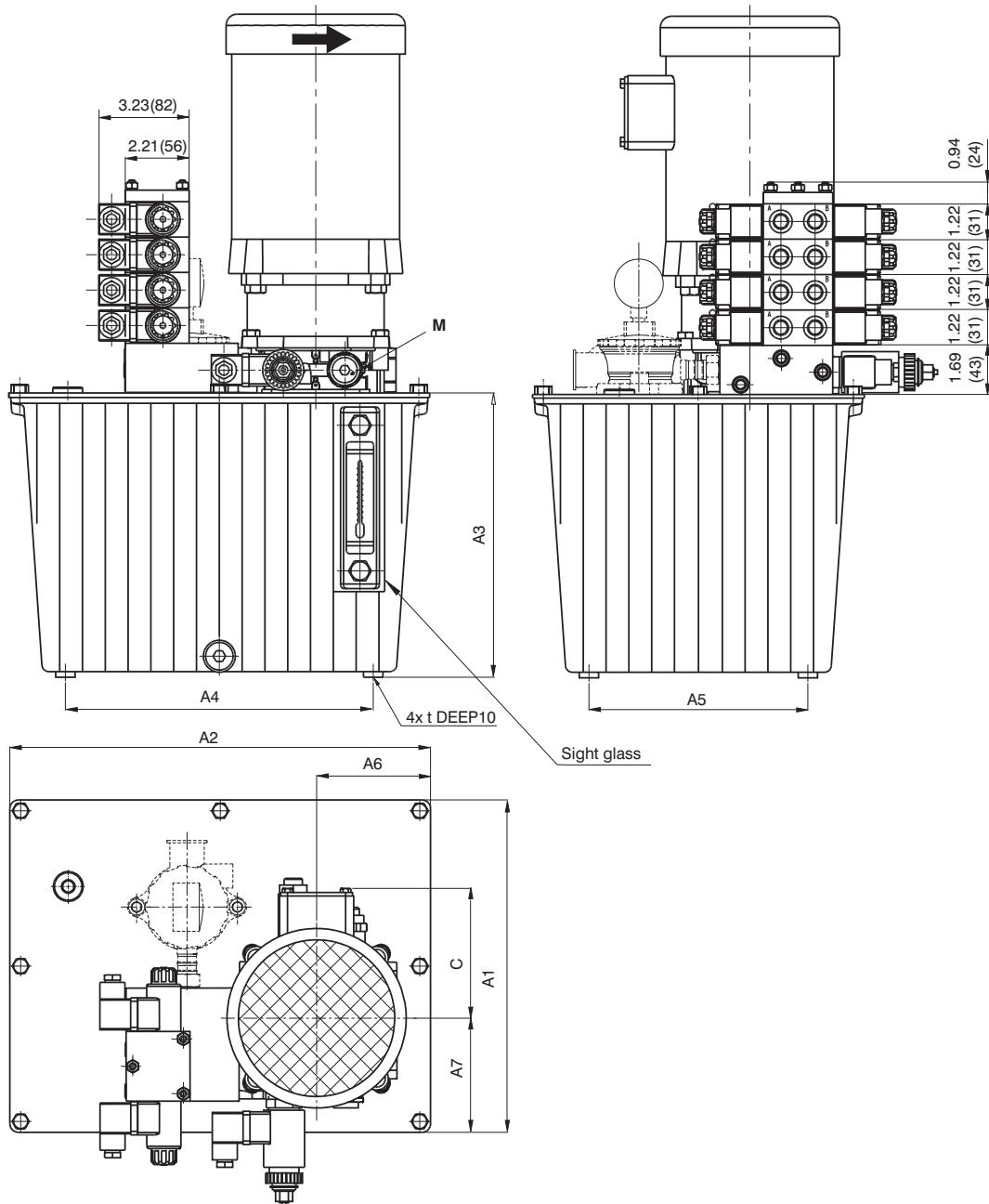
Dimensions in inches and millimeters (in brackets)

## Power pack with die-cast aluminium tank and horizontal stacking assembly RPEK1-03

### Configuration E

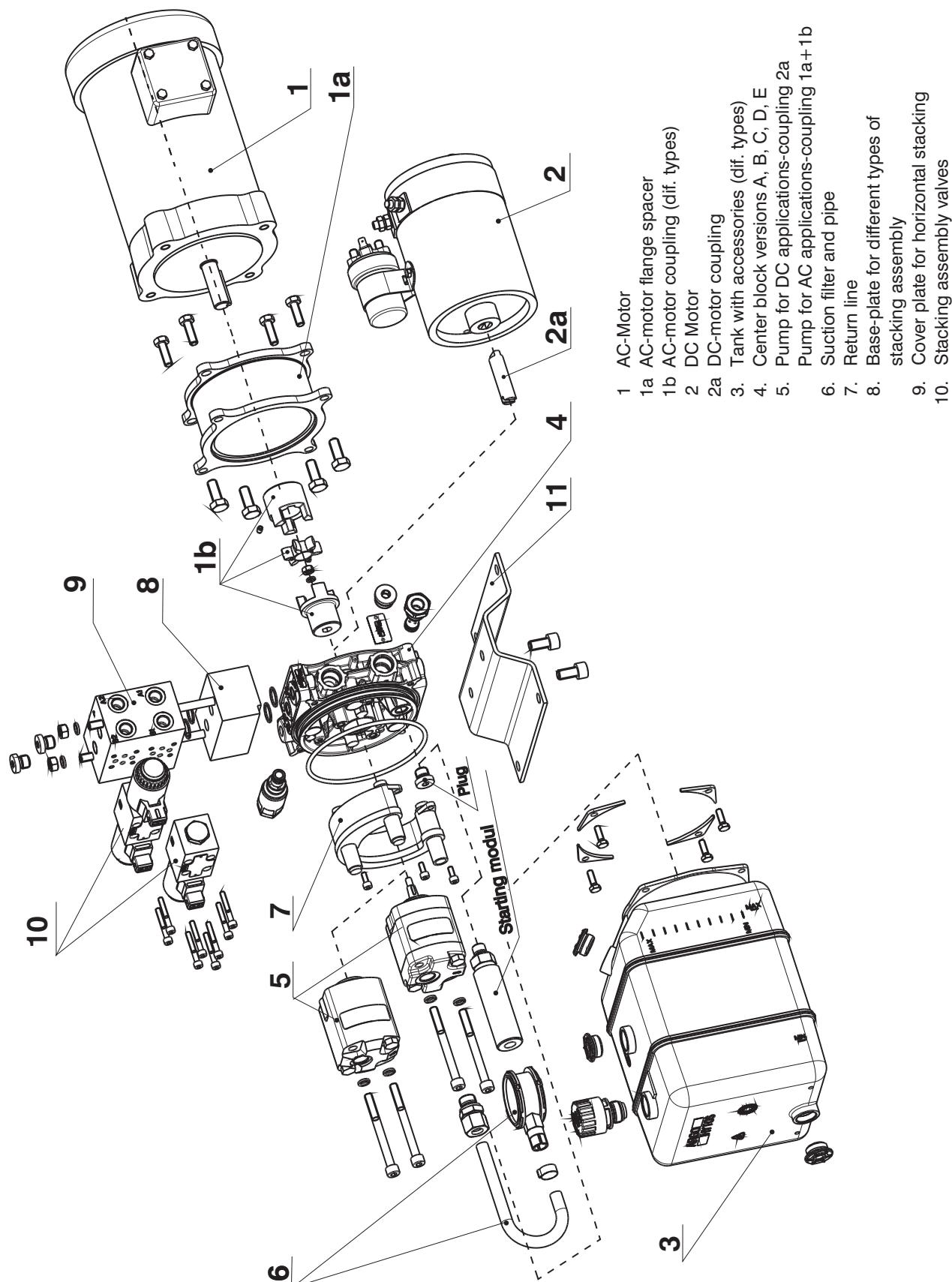


With the model RPEK1-03 of the vertical stacking assembly the connecting ports A, B, M are only provided with threads 9/16-18 UNF; SAE J1926-1 (6 SAE)- orientation of ports is evident from the picture.



Note: all units with tank code 71-74 shipped with sight glass and drain plug

Code of the tank	Capacity in US gal [L]	Working volume US gal [L]	A1	A2	A3	A4	A5	A6	A7	t
71 (Al)	3.17 (12)	2.64 (10)	9.53(242)	12.28(312)	8.82(224)	8.86(225)	6.10(155)	4.41(112)	3.58(91)	M8
72 (Al)	5.28 (20)	4.23 (16)	11.46(291)	14.53(369)	10(254)	10.63(270)	7.56(192)	4.13(105)	5.35(136)	M8
73 (Al)	7.93 (30)	6.60 (25)	13.43(341)	19.33(491)	11.42(290)	12.83(326)	6.93(176)	4.53(115)	6.14(156)	M10
74 (Al)	11.62 (44)	10.30 (39)	16.69(424)	20.67(525)	12.60(320)	13.43(341)	9.49(241)	4.53(115)	6.93(176)	M10

**USMA 05****Caution!**

- The packing foil is recyclable.
- Certified documentation is available per request.

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