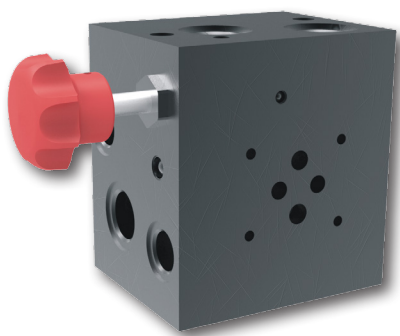


Base Plate with Pressure Relief Valve for Serial Plate Assemblies

ZB06

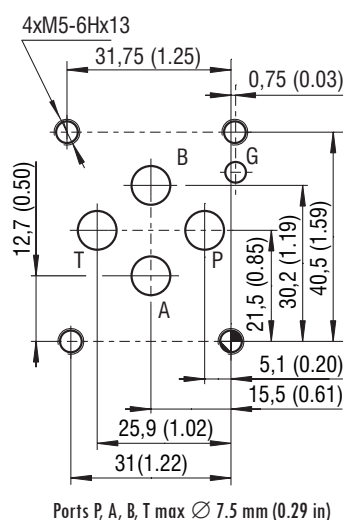
Size 06 (D03) • p_{max} 320 bar (4600 PSI)



Technical Features

- › Tank cover mounted base manifold for hydraulic power packs which require one directional valve, optionally stackable with PD06-Z6 (Cat. 0006) serial plates
- › Designed for flange mounted valves with pattern acc. to ISO 4401-03 (CETOP 03)
- › Simplified models ZB06L* for cost effective circuit design and assembly with stackable serial PD06-Z6 plates
- › Integrated functions for circuit unloading drain, main circuit check and pressure relief valves
- › Suitable for mounting the pump drive unit horizontally on the tank cover, or for vertical arrangement with the pump situated in the tank under the oil level
- › Variety of models support the build-up of systems with constant or regulated pumps
- › In the standard version, the ZB06A(B) manifold housing is zinc-coated for 520 h and the steel parts are uninc-coated for 240 h protection acc. to ISO 9227. Aluminium ZB06L manifold housing is without any surface protection

ISO 4401-03-02-0-05 (CETOP 03)



Technical Data

Modular valves mounting surface		06 (D03)	
Cartridge cavity		M28x1.5 / QP2	
Max. operating pressure	bar (PSI)	aluminium 250 (3626)	
	bar (PSI)	steel 320 (4640)	
Max. flow		l/min (GPM)	
		50 (13.2)	
Port dimensions		ZB06A(B)	
		ZB06L	
		P, P1, T, T1, T2 ... G1/2	
		P, T ... G1/2	
		A, B, PP2, D2 ... G3/8	
		D2, T1, T2 ... G3/8	
		L2 ... G1/8	
		-	
		M ... G1/4	
Weight	ZB06A(B)	kg (lbs)	-
	ZB06L		steel 4.7 (10.4)
		aluminium 1.7 (3.75)	
		aluminium 1.5 (3.31)	

	Data sheet	Type
General information	GI_0060	Products and operating conditions
Cavity details / Mounting interface	SMT_0019	SMT-QP2*
		Size 06 / CETOP 03
Studs and nuts for vertical stacking assemblies - Dn04,06,10_0020		

Ordering Code

ZB06		- QP2 -		K -		Surface treatment	
Base manifold with pressure relief valve for PD serial plates assembly						No designation	aluminium manifold without treatment
						B	zinc-coated (ZnNi), ISO 9227 (520 h)
Size, mounting interface of serial plates base plate for PD06-Z6 serial plates						Seals	
						K	seal plate for oil tank cover assembly
Models with one mounting interface acc. to ISO 4401, DIN 24340 (CETOP 03) with check valve without check valve						Material of base manifold	
						AL	aluminium, EN AW-7075 T6
						ST	steel*
Models without mounting interface acc. to ISO 4401, DIN 24340 (CETOP 03) without check valve						Design models for ZB06L types	
						1	T return line from plate side
						2	T return line from bottom side
						3	two T return lines from plate and bottom side
Pressure relief valve cavity M28x1.5 / QP2 (VPP1-06 / VPP2-06)*						Design models for ZB06A(B)	
						11	+ Connection P-B
						12	without P-B ports connection
						21	with P-B ports connection
						22	without P-B ports connection
Drain valve option without drain valve without drain valve with drain valve with drain valve							

*Pressure relief valve is not supplied with the ZB block see catalogue HA_5061 (VPP1-06), HA_5062(VPP2-06)

Functional Symbols

Models for flange mounted valves with pattern acc. to ISO 4401-03 (CETOP 03)

with check valve

ZB06A*-11

ZB06A*-12

ZB06A*-21

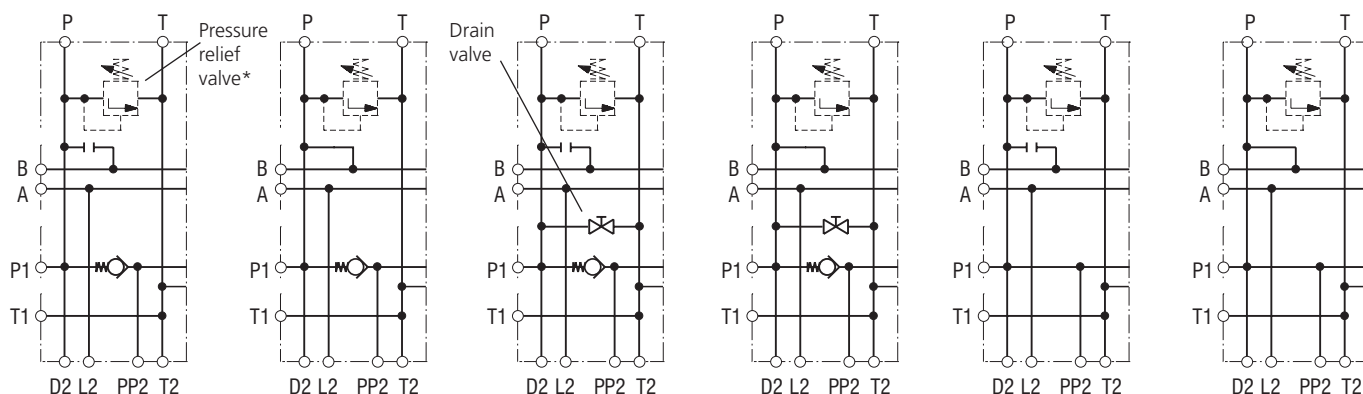
ZB06A*-22

without check valve

ZB06B*-11

ZB06B*-12

mounting interface of PD06-Z6 (Cat. 0006) serial plates



Models for flange mounted valves with pattern acc. to ISO 4401-03 (CETOP 03)

without check valve

ZB06B*-21

ZB06B*-22

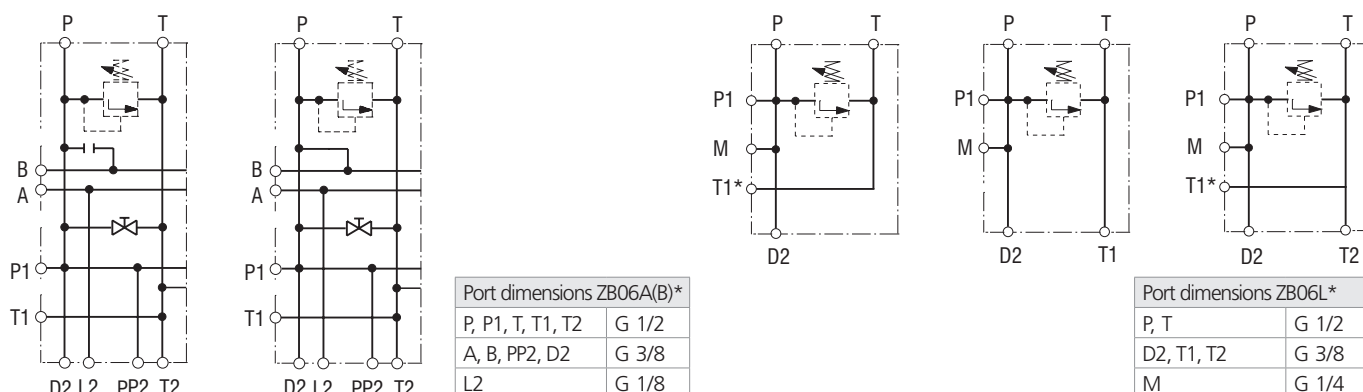
Simplified models ZB06L* without mounting pattern for modular valve

ZB06L*-1

ZB06L*-2

ZB06L*-3

mounting interface of PD06-Z6 (cat. 0006) serial plates



Pressure relief valve is not supplied with the ZB block

Available types

Tab. 1	ZB06A(B)*ST, zinc-coated		
Ordering number	Type	Pressure [bar (PSI)]	Weight [kg (lbs)]
23686401	ZB06A-QP2-11-STK-B	320 (4640)	cca 4.7 (10.4)
23686501	ZB06A-QP2-21-STK-B	320 (4640)	
23686601	ZB06A-QP2-12-STK-B	320 (4640)	
23686701	ZB06A-QP2-22-STK-B	320 (4640)	
23687001	ZB06B-QP2-11-STK-B	320 (4640)	
23687201	ZB06B-QP2-21-STK-B	320 (4640)	
23687401	ZB06B-QP2-12-STK-B	320 (4640)	
23687501	ZB06B-QP2-22-STK-B	320 (4640)	

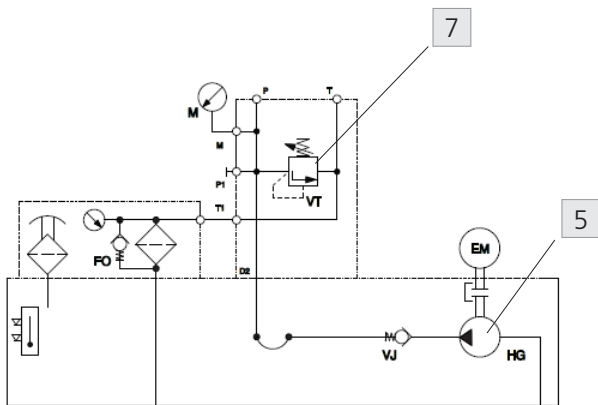
Tab. 2	ZB06A(B)*AL, aluminium versions		
Ordering number	Type	Pressure [bar (PSI)]	Weight [kg (lbs)]
30849400	ZB06A-QP2-11-ALK	250 (3626)	cca 1.7 (3.75)
30849500	ZB06A-QP2-12-ALK	250 (3626)	
30849600	ZB06A-QP2-21-ALK	250 (3626)	
30849700	ZB06A-QP2-22-ALK	250 (3626)	
30849800	ZB06B-QP2-11-ALK	250 (3626)	
30849900	ZB06B-QP2-12-ALK	250 (3626)	
30850100	ZB06B-QP2-21-ALK	250 (3626)	
30850200	ZB06B-QP2-22-ALK	250 (3626)	

Tab. 3	ZB06L*AL, aluminium versions		
Ordering number	Type	Pressure [bar (PSI)]	Weight [kg (lbs)]
23439800	ZB06L-QP2-1-ALK	250 (3626)	cca 1.6 (3.5)
23439900	ZB06L-QP2-2-ALK	250 (3626)	
31785200	ZB06L-QP2-3-ALK	250 (3626)	

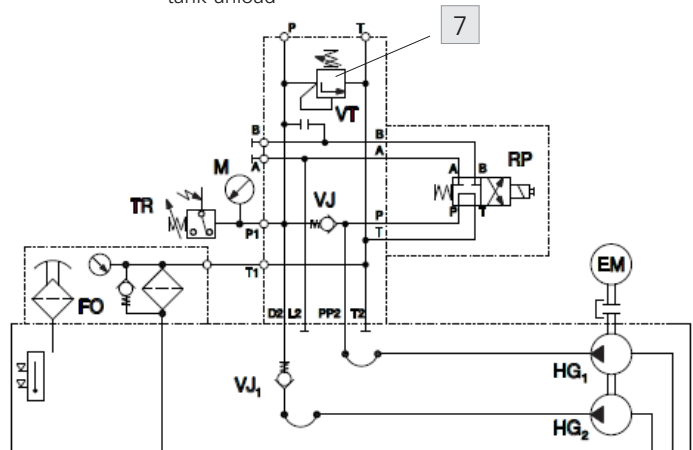
Application

Typical circuit This block enables a great number of circuit arrangements. The shown example represents only one of many possible variants.

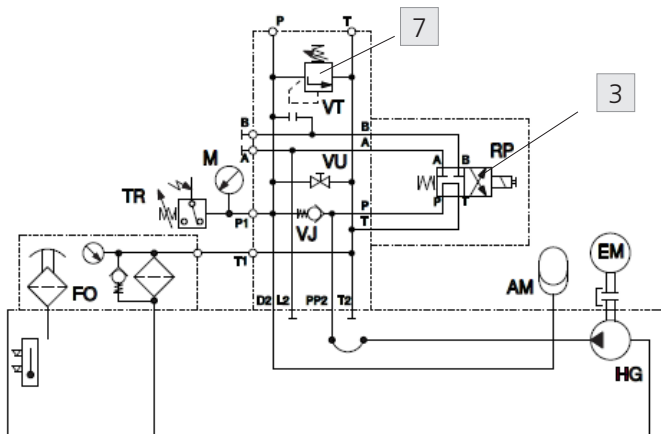
ZB06L*-1 Basic pressure circuit protection
and connection with gear pump and return filter



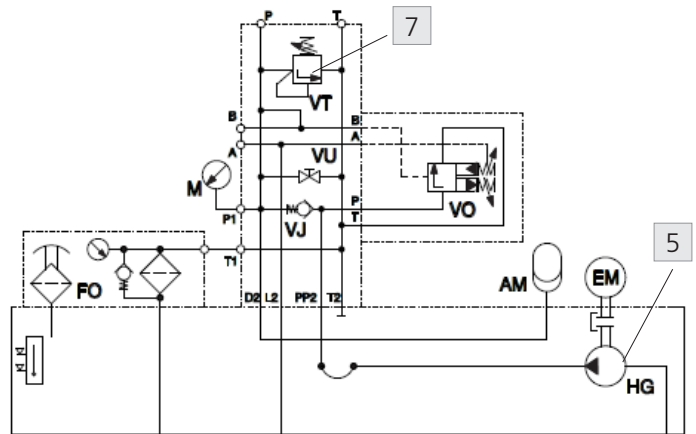
ZB06A*-11 Basic pressure circuit protection and connection with tandem gear pump and return filter with one pump tank unload



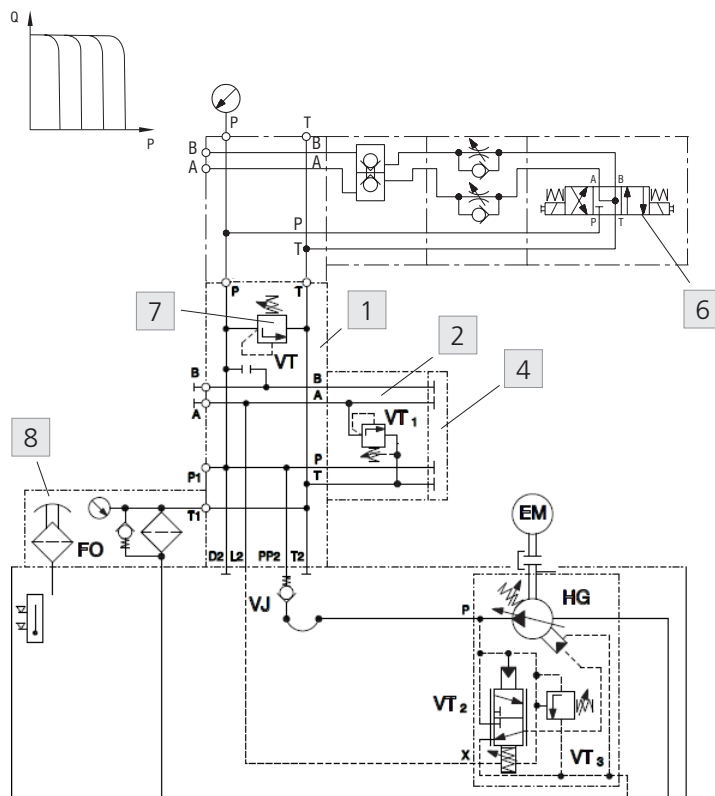
ZB06A*-21 System with accumulator



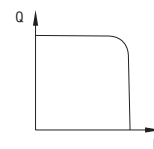
ZB06A*-22 System with accumulator and accumulator charging valve



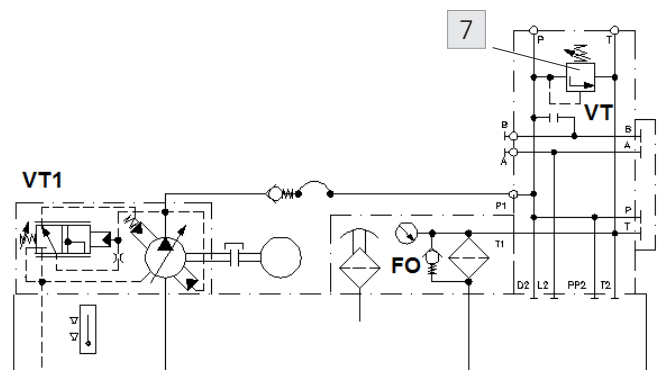
ZB06B* Constant pressure regulation with relief valve (remote control)



ZB06B* Constant pressure regulation (setting on the pump)

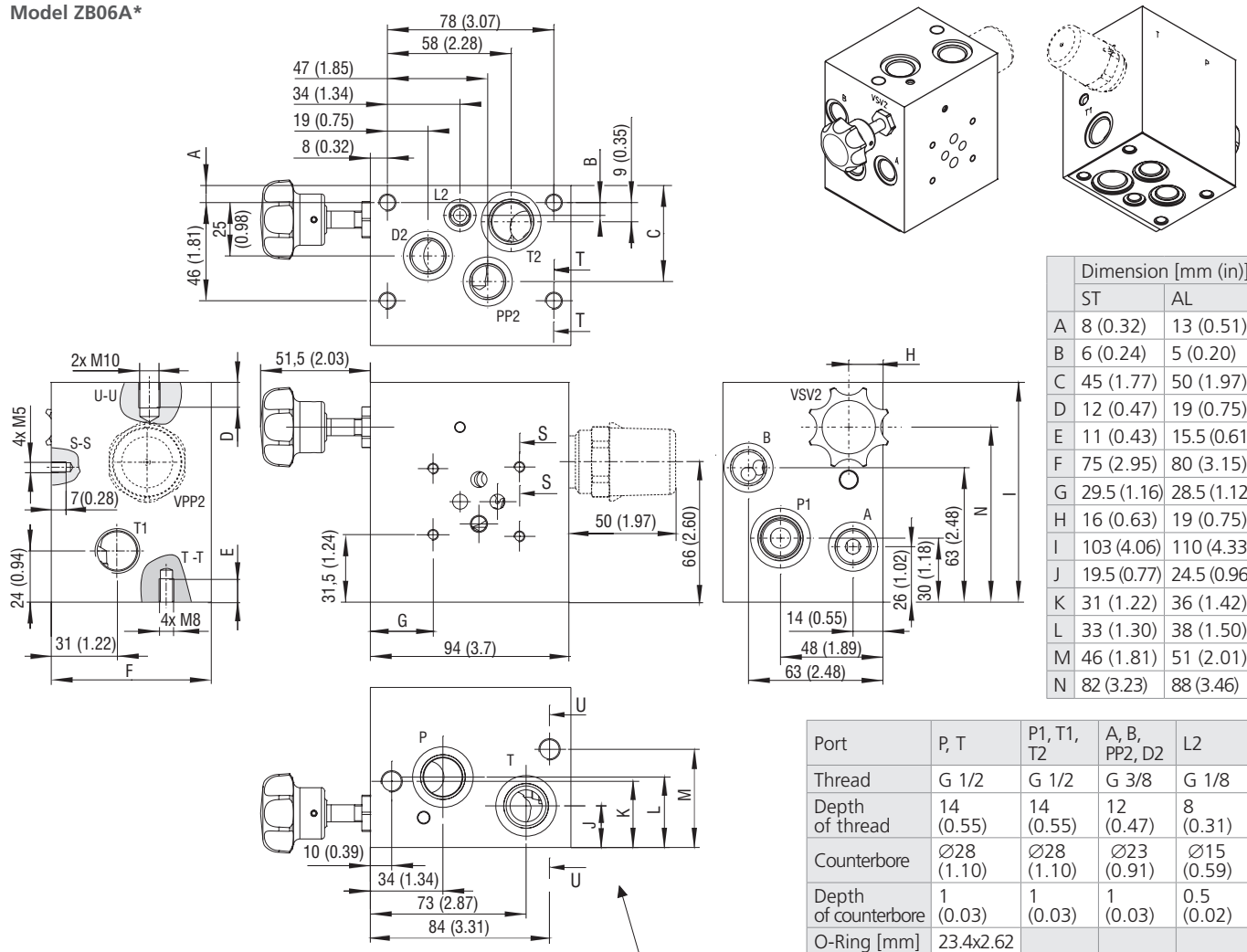


1	Serial plate PD06-Z6
2	Pressure relief valve VPP2-04/MA06*
3	Directional valve RPE3-062R11
4	Blanking plate for ISO 4401 Modular Valve
5	Gear pumps GP*
6	Directional valve RPE3-06
7	Pressure relief valve VPP1-06, VPP2-06/S
8	Return line filter



Dimensions in millimeters (inches)

Model ZB06A*



Model ZB06L*

mounting interface of PD06-Z6 (cat. 0006) serial plates

