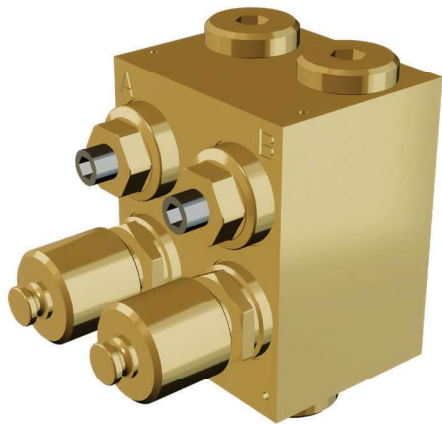
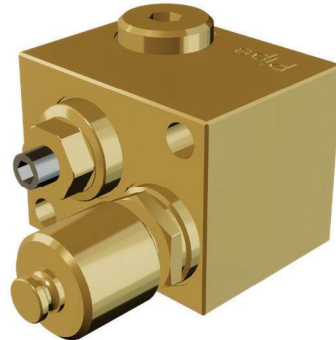


Damcos™ DPHS, PHS and P3

Accessories for Valve/Actuator Area



DPHS



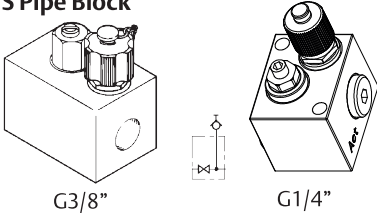
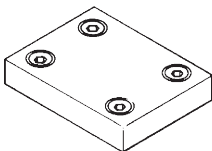
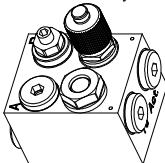
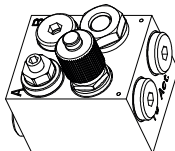
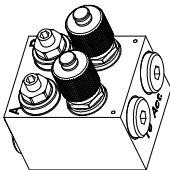
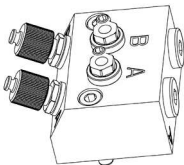
PHS



P3

Description

The following accessories for valve and actuator area are available for typical applications as described below.

Unit	Description	Typical Application
PHS Pipe Block 	Block with single quick connection and stop valve. The block has connection tread G3/8" or G1/4".	For emergency operation of 1-line actuators (spring return) by means of portable hand pump. The block is pipe mounted.
P3 Cross-Over Plate 	Plate for cross - connecting ports P and A, respectively B and T of a Cetop-3/NG 6 stack.	Whenever a Cetop-3/NG 6 mounting block is used for mounting of control equipment on the actuator, a P3 plate is necessary to close the Cetop-3 "sandwich".
PHS Bleeder Fail Close, submerged 	Bleed pipe from actuator can be connected to block.	For emergency operation of 1-line submerged actuator (fail close) by means of portable hand pump. The block is pipe mounted.
PHS Bleeder Fail Open, submerged 	Bleed pipe from actuator can be connected to block.	For emergency operation of 1-line submerged actuator (fail open) by means of portable hand pump. The block is pipe mounted.
DPHS Pipe Block, submerged 	For emergency operation of 2-line actuator by means of portable hand pump. The block is pipe mounted.	For emergency operation of 2-line actuator or system consisting LPU, both S and D, by means of portable hand pump.
DPHS Flushing Block for Manifold 	Used for shutting off connections to manifold when flushing or connecting and operating actuators by portable hand pump from outside the deck-box. The block has connection tread G3/8" (G1/4" in manifolds). Two versions one for brass manifold and one for acid proof manifold. Installation requirements: Damcos Brass manifold or acid proof manifold 75 mm pitch only.	For use of shutting off connection to manifold when flushing, connecting and operating actuators by portable hand pump from outside the deck-box.

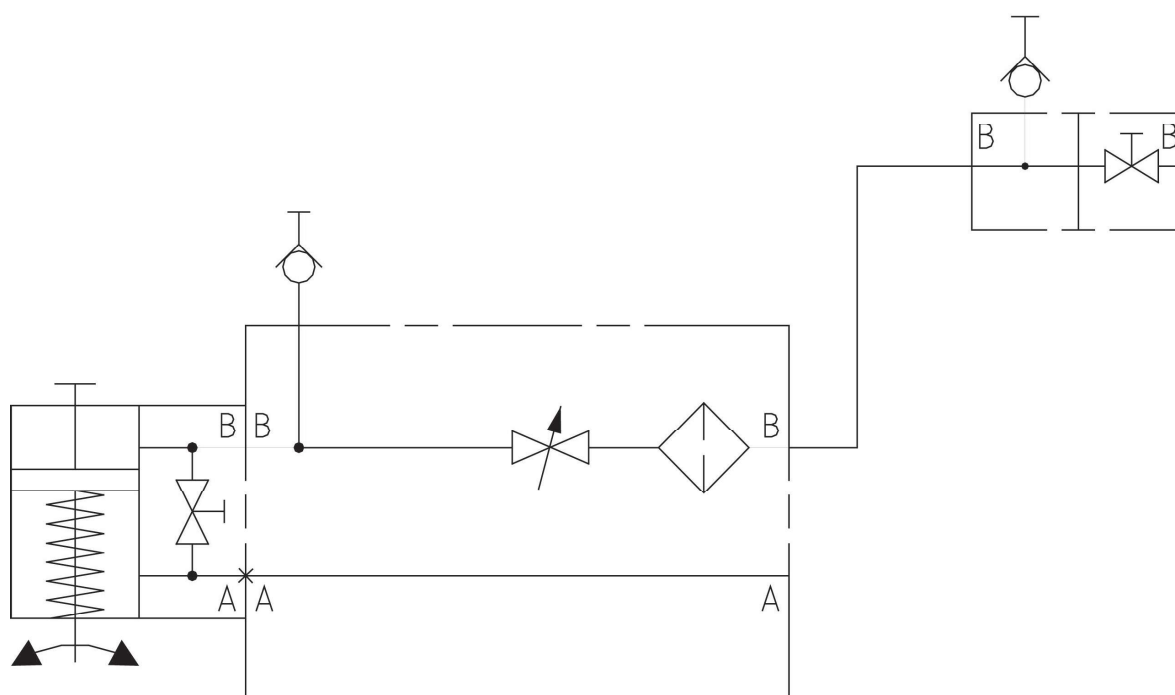
Technical Specification

	PHS	PHS	PHS - bleed fail close	PHS - bleed fail open	DPHS pipe block	DPHS* flushing block Brass / SS
Maximum operation pressure	135 bar/2000 PSI					
Maximum test pressure	225 bar/3250 PSI					
Flow rate at 100 bar (50 cSt visc.) l/min	6	20	6	6	6	7/5
Temperature range	-20°C to +80°C					
Weight approx. kg/lb	0.6 / 1.3	0.2 / 0.4	1.1 / 2.4	1.1 / 2.4	1.1 / 2.4	1.6 / 3.5
Seals	NBR					
Housing	MS 58 or AISI 316L	MS 58	MS 58	MS 58	MS 58	MS 58 / AISI 316L
Screws	None	None	None	None	None	MS 58 / AISI 316L
Quick connection	MS 58 or AISI 316L	MS 58	MS 58	MS 58	MS 58	MS 58 / AISI 316L

*) Versions made for 60 bar is good for burst pressure 445 bar!

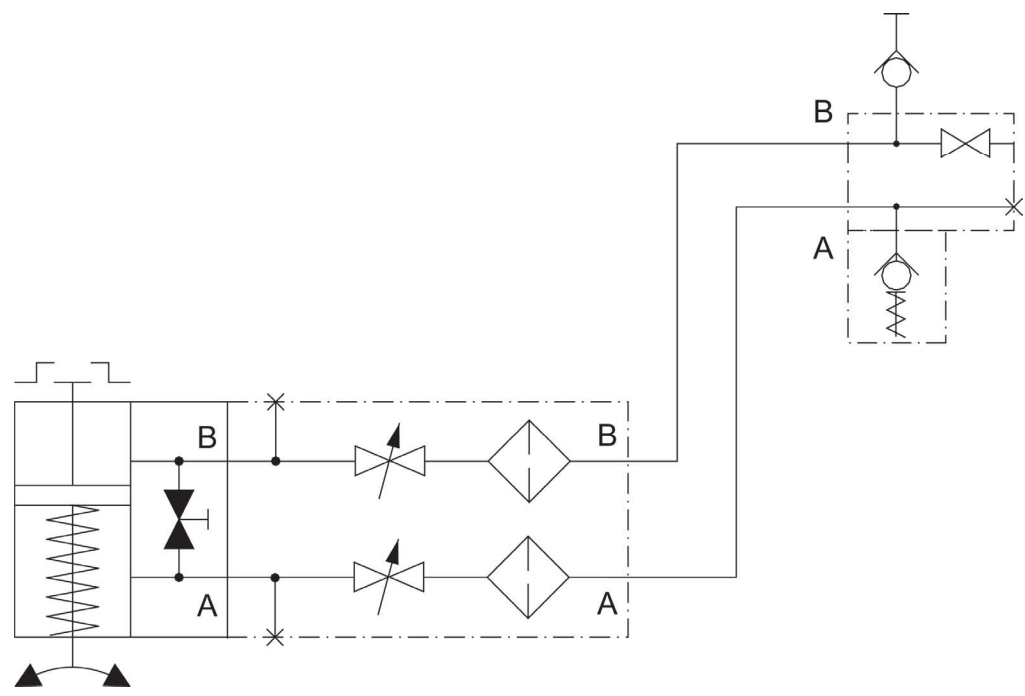
Hydraulic Diagram

PHS Block

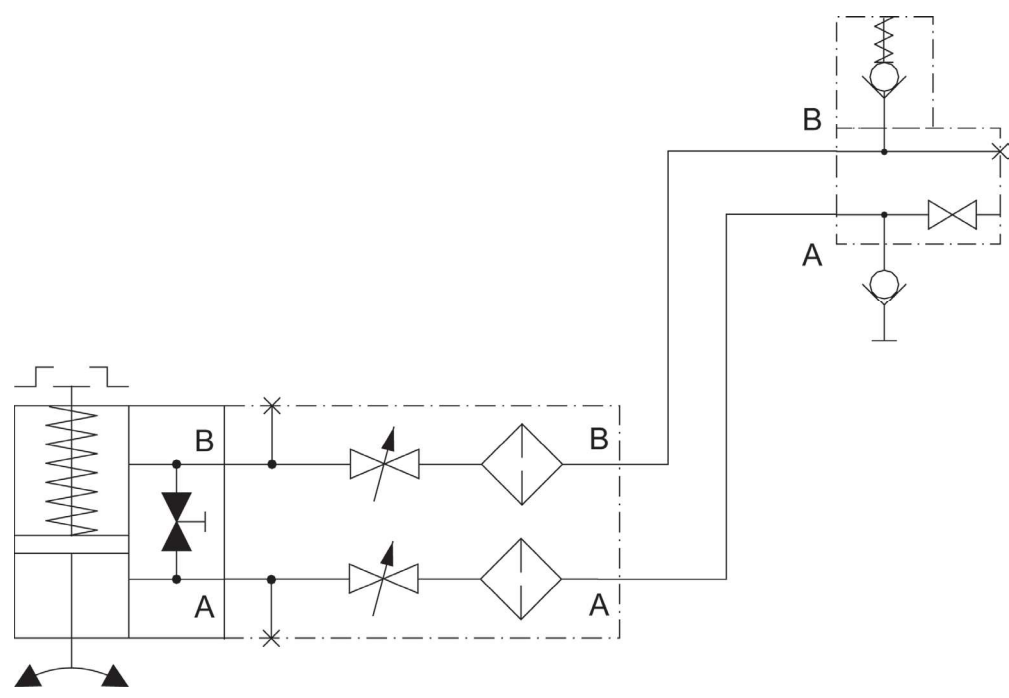


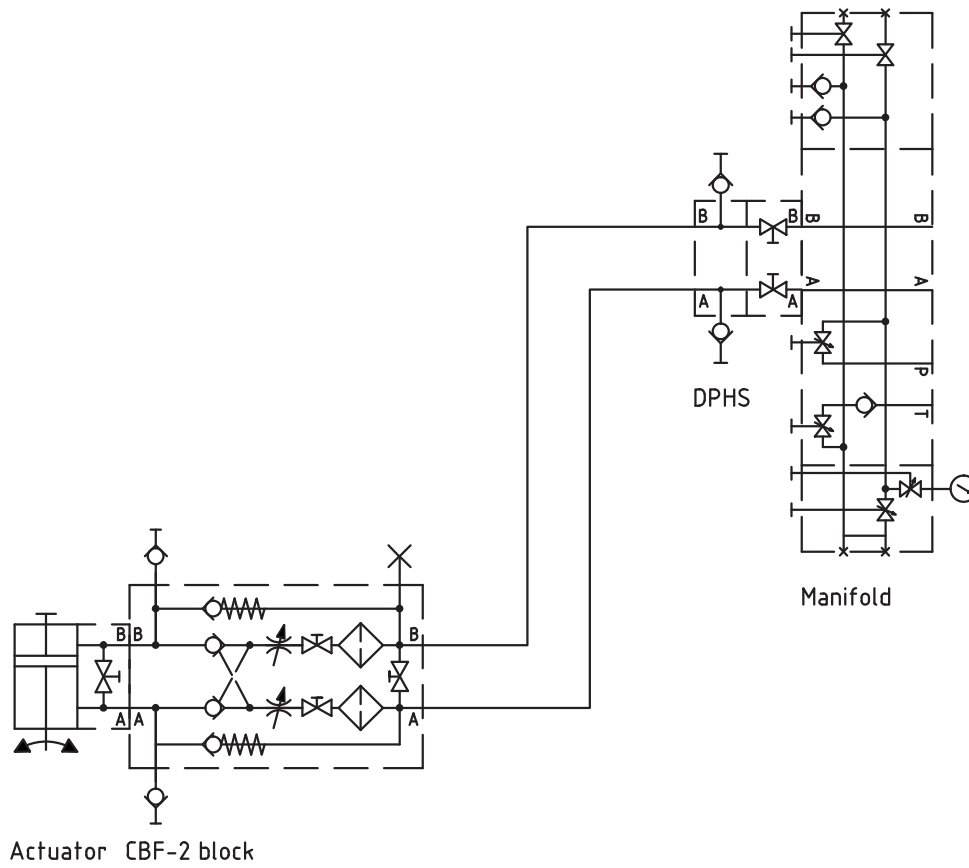
Hydraulic Diagram

PHS Block with a Bleeder for Fail Close



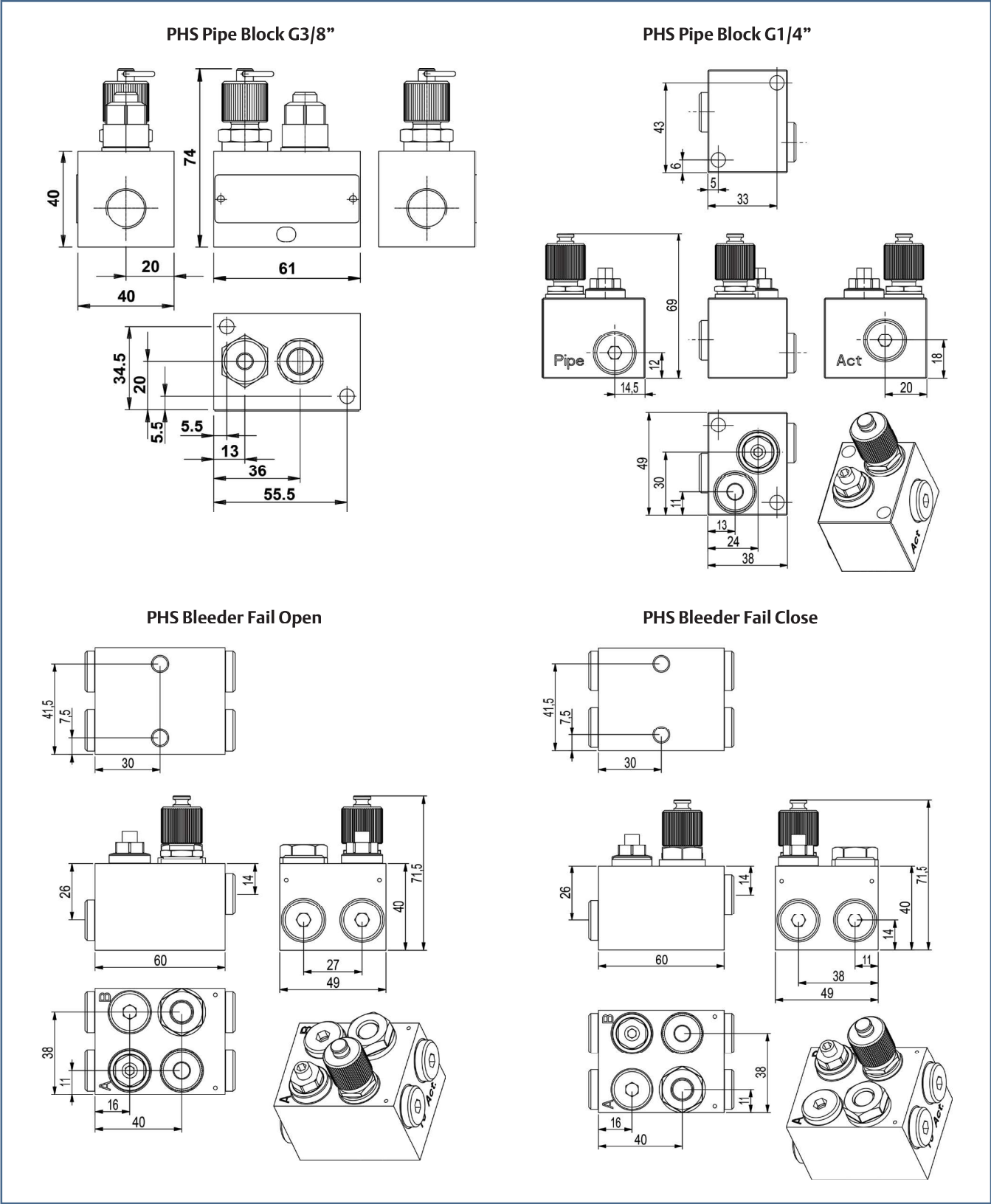
PHS Block with a Bleeder for Fail Ppen

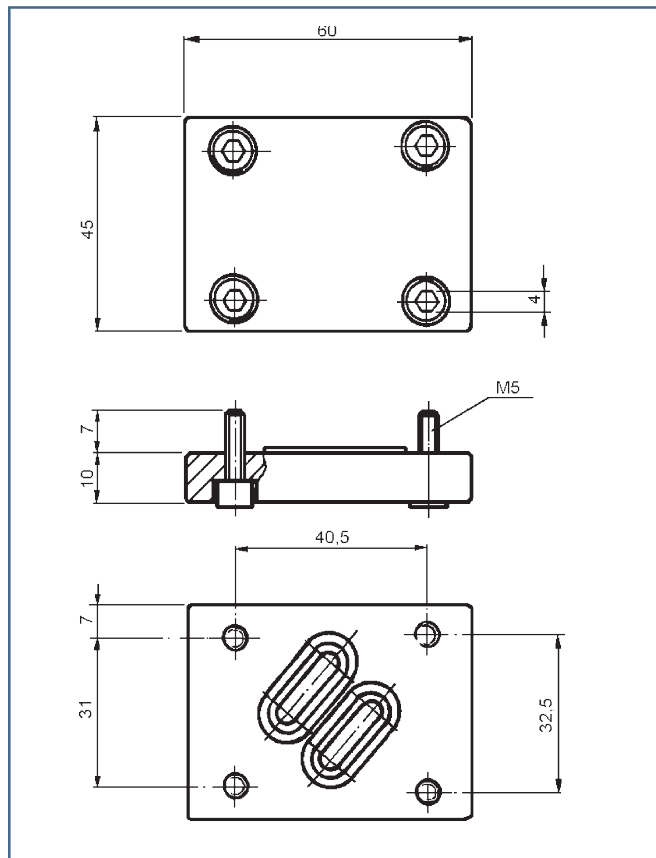
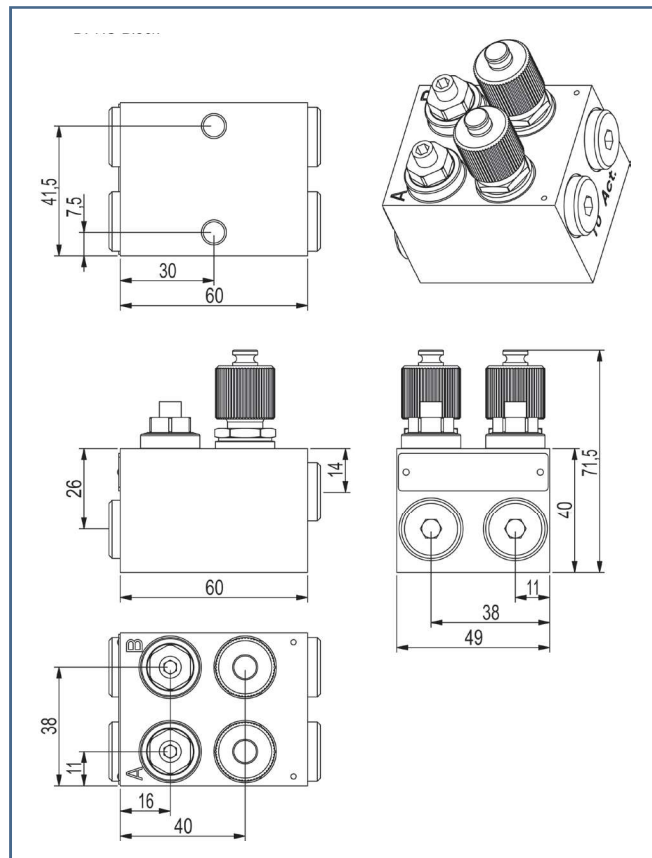
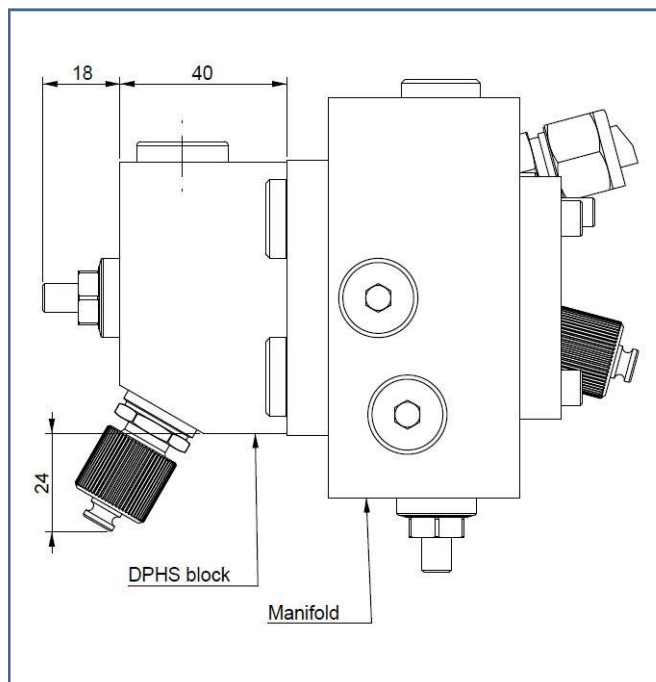


DPHS Flushing Block for Manifold

Hydraulic Diagram

PHS



P3**DPHS Pipe Block****DPHS Mounting on Manifold**

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