







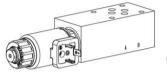
UKŁADY HYDRAULICZNE

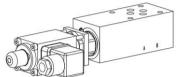
Proportional pressure relief valves

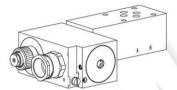
Proportional pressure relief valve Flange and sandwich construction

• p_{max} = 400 bar

NG6 ISO 4401-03









DESCRIPTION

Pilot and direct operated proportional pressure relief valves NG6. Flange and sandwich construction according to ISO 4401-03 with 4 ports. Incorporated are proportional pressure relief cartridges size M22x1,5 according to ISO 7789. The flange and sandwich bodies made of steel are phosphatized.

FUNCTION

By adjusting the electric current to the proportional solenoid the operating pressure in hydraulic systems is limited by reliefing the fluid from the protected lines P, A, B or A and B to the return / tank line T. Back pressure in T influences the pressure in the reliefed pressure lines. This proportional pressure relief valves are adjustable very sensitivly. To control the valve proportional amplifiers are available from Wandfluh (see register 1.13).

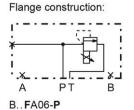
APPLICATION

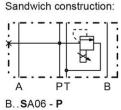
The valves have their applications in hydraulic systems in which the pressure frequently has to be changed. The facility for remote control and signal processing from process control systems enable economical solutions to problems with repeatable sequences.

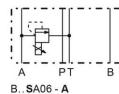
TYPE CODE

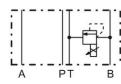
			В		A06 -] # [
Pressure relief valve							1	
Pilot operated Direct operated		V	7 -					
Proportional Proportional inverse Proportional explosion proc Proportional with integrated Proportional inverse with in	electronics	P I B V W	(only direct operated)					
Flange construction Sandwich construction		F						
International standard inter	face ISO, NG6							
Type list / Function:	flange constructi in P	on P	sandwich con in P in A in B in A and B	P A B AB				
Nominal pressure levels, no	ominal voltage, etc.: s	ee data	sheet of the installed	screw-in cart	ridges	1		
BDISA06-A-	20-G24 / WD-D1 160-G12 350-G24 / L15 3-200-12 A1							
Design-Index (Subject to ch	nange)							

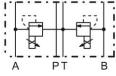
TYPE LIST / FUNCTION











B..**S**A06 - **B** B..**S**A06 - **AB**

SCREW-IN CARTRIDGES INSTALLED

The following screw-in cartridges are used in either the flange body or the sandwich body:

Туре	Designation	Data sheet no.	Q _{max} *
BVPPM22	pilot operated	2.3-529	60 l/min
BVPPM22**	pilot operated	2.3-530	60 l/min
BVIPM22	pilot operated, inverse	2.3-532	60 I/min
BVCPM22**	pilot operated, explosion proof EEx em	2.3-534	60 I/min
BVBPM22	pilot operated, explosion proof Ex d	2.3-536	60 I/min
BVBPM22**	pilot operated, explosion proof EEx d	2.3-535	60 I/min
BVVPM22	pilot operated, with integrated electronics	2.3-531	60 I/min
BDPPM22	direct operated	2.3-539	25 I/min
BDPPM22**	direct operated	2.3-540	25 I/min
BDIPM22	direct operated, inverse	2.3-542	20 I/min
BDCPM22**	direct operated, explosion proof EEx em	2.3-544	25 I/min
BDBPM22	direct operated, explosion proof Ex d	2.3-547	25 I/min
BDBPM22**	direct operated, explosion proof EEx d	2.3-545	25 I/min
BDVPM22	direct operated, with integrated electronics	2.3-541	25 I/min
BDWPM22	direct operated, inverse, with integrated electronics	2.3-543	20 l/min

- * Can deviate from the values on the data sheets of the screw-in cartridges.
- ** Do not use anymore for new applications.

GENERAL SPECIFICATIONS

Description Pilot and direct operated proportional

pressure relief valve

Nominal size NG6 according to ISO 4401-03

Constructions Flange or sandwich
Operations Proportional solenoid

Mounting 4 fixing holes for socket head cap screws

M5 or studs M5
Connections Threaded connection plates

Multi-flange subplates Longitudinal stacking system

Weight:
• Flange type
m = 1,43 kg
(without screw-in cartridge)
• Sandwich type P, A, B
m = 1,18 kg

• Sandwich type AB m = 1,58 kg



REMARK!

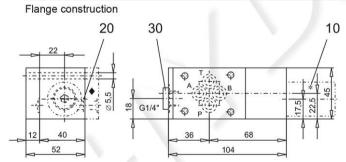
Detailed performance data and additional hydraulic and electric specifications may by drawn from the data sheets of the corresponding installed screw-in cartridge.



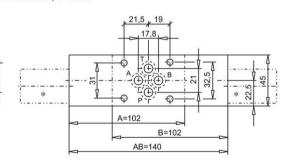
CAUTION!

The performace data especially the "pressure-flow-characteristic," on the data sheets of the screw-in catridges refere to the screw-in cartridges only. The additional press-ure drop of the flange body respectively sandwich body must be taken into consideration.

DIMENSIONS

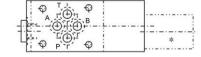


Sandwich construction in A, B or AB



Sandwich construction in P





- The envelop dimensions of the screw-in cartridge are shown on their corresponding data sheets.
- ♦ Distance plate ADP6/... must be ordered separatly.

PARTS LIST

Position	Article	Description
10	609.3	Screw-in cartridge
20	160.2093	O-ring ID 9,25x1,78
30	238.2406	Plug VSTI G1/4"-ED (only flange and sandwich type in P)

ACCESSORIES

Proportional amplifier	register 1.13		
Distance plate ADP6/12 (12 mm)	art. no. 173.3451		
Distance plate ADP6/30 (30 mm)	art. no. 173.3453		
Distance plate ADP6/46 (46 mm)	art. no. 173.3454		
Distance plate ADP6/87 (87 mm)	art. no. 173.3461		

Technical explanation see data sheet 1.0-100