PONAR wadowice

Double check valve type 2UZSBR6 pilot operated

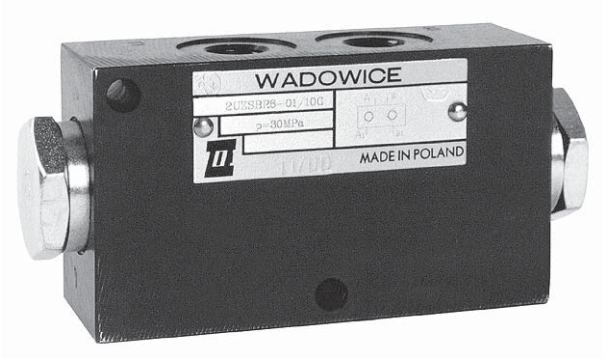
NG 6	29 MPa	40 dm³/min.

WK 496 890

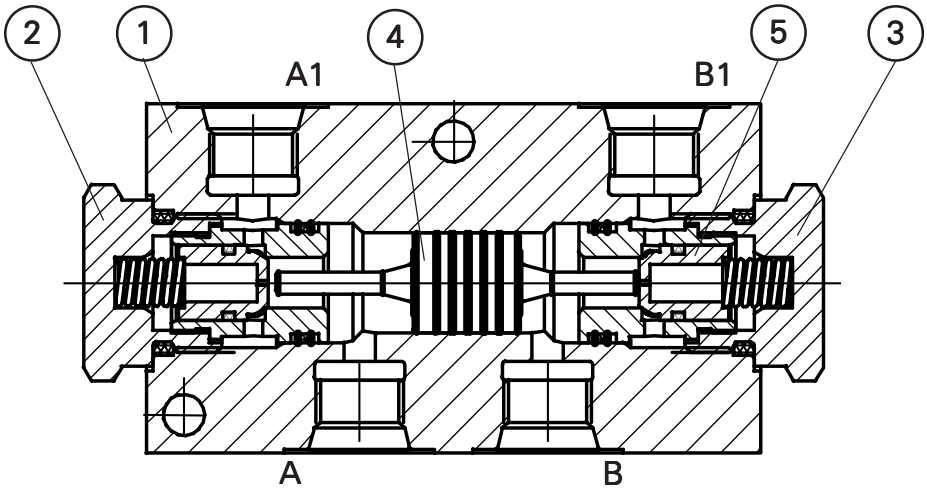
04. 2001r.

APPLICATION

Pilot operated double check valve type 2UZSBR 6 serves to shut-off an oil flow in one direction and allow free flow in the opposite direction. They can also be opened in the direction of closure.

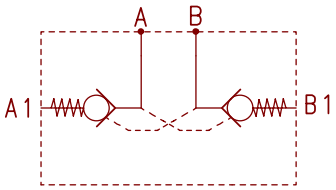


These valves are mostly used :
- to relieve a working circuit under pressure
- to prevent a load from falling in the case of a line rapture
- to prevent creep movements of hydraulically stressed users.



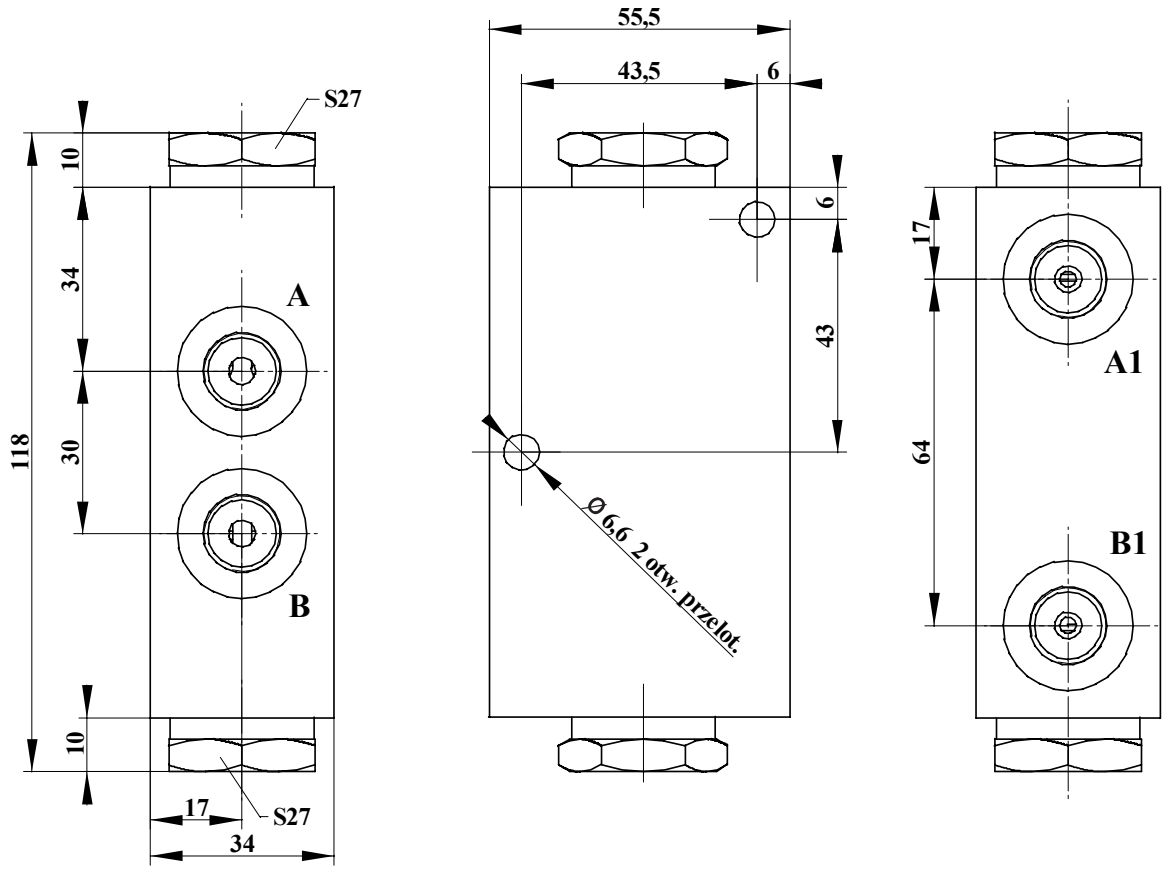
Pilot operated double check valve type 2UZSBR 6 is made by fitting two pilot operated check valves (2) and (3) in one housing (1). There is free flow from A to A1 or/and B to B1 while flow is blocked from A1 to A and/or B1 to B. When, for example fluid flows through the valve from A to A1, the piston (4) is shifted to the right and pushes the poppet of the chack valve (5) from its seat. The connection from B1 to B is now open. In the similar way the valve operates in the direction B to B1. Pressure dissipation at ports A or B causes both valves to close. In order to ensure safe closing of valves both user ports A and B should be connected with a return line when a receiver is idle (spool J in directional valve).

GRAPHICAL SYMBOL



TECHNICAL DATA

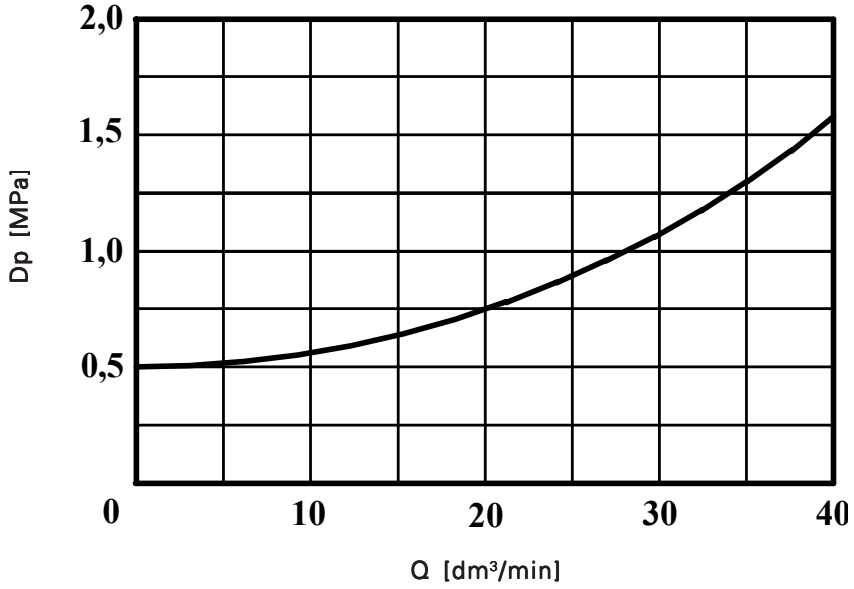
Hydraulic fluid	Mineral oil or phosphate ester
Nominal fluid viscosity	37 mm ^{2}/s at temp. of 328 K (55 ^{o}C)
Viscosity range fluid	2,8 to 380 mm ^{2}/s
Optimum working temperature (fluid in a tank)	313 - 328 K
Fluid temperature range	243 - 343 K
Maximum working pressure	29 MPa
Required fluid filtration	16 µm
Recommended fluid filtration	10 µm



Cavity A,A1,B,B1 - G1/4" or M14x1,5

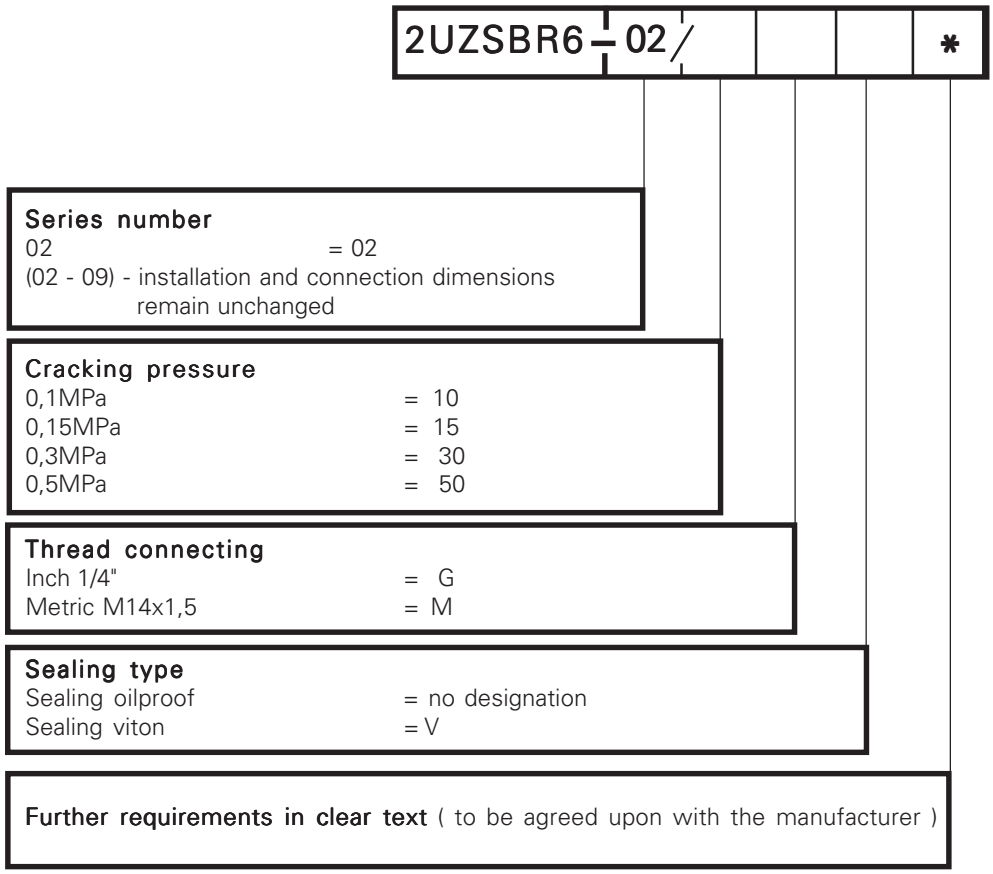
PERFORMANCE CURVES, measured at n = 41 mm ^{2}/s and T = 323 K

Flow curve



HOW TO ORDER

Orders coded in the way showed below should be forwarded to the manufacturer.



Coding example :

2 UZSBR 6-02/15GV

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