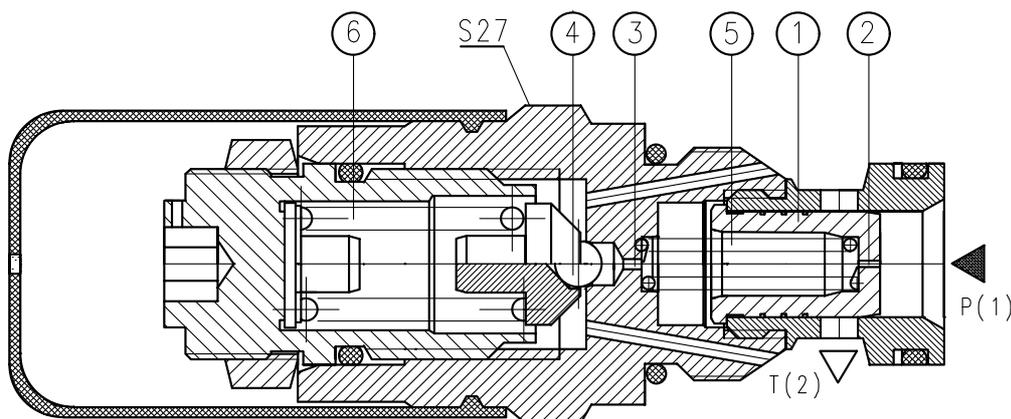


APPLICATION

Pressure control valves type UZPS 6 are pilot operated pressure relief valves for mounting in manifold blocks. They serve to limit pressure in a hydraulic system or in its part.



DESCRIPTION OF OPERATION

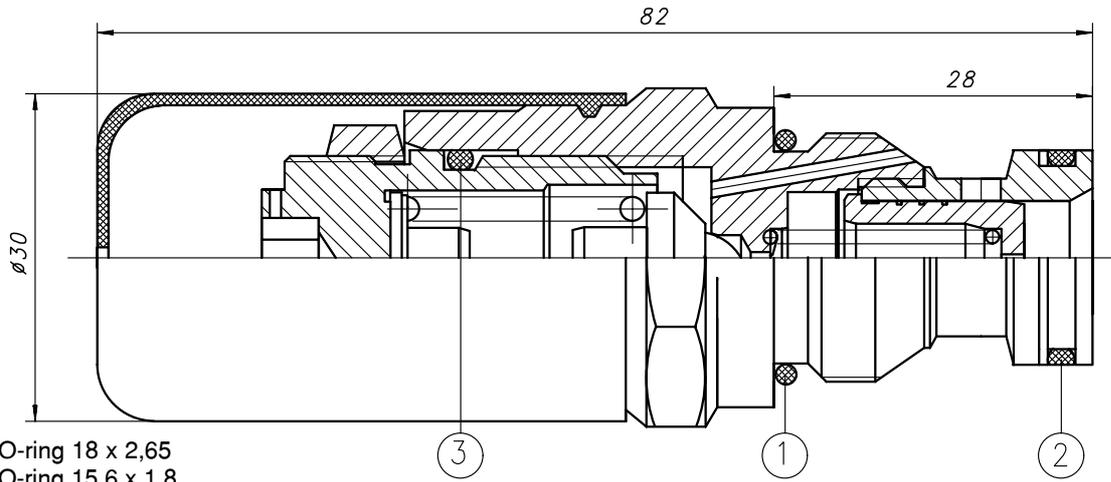
Pressure in line P affects the spool (1). At the same time, pressure affects the spring loaded side of the spool(1) via the jet bore (3). If pressure in line P exceeds the value set at the spring (6), the poppet (4) opens against the spring (6).

Oil now flows out of line P into T via holes (2 and 3) to tank. Pressure drop therefore occurs at the spool (1). The connection P to T is opened.

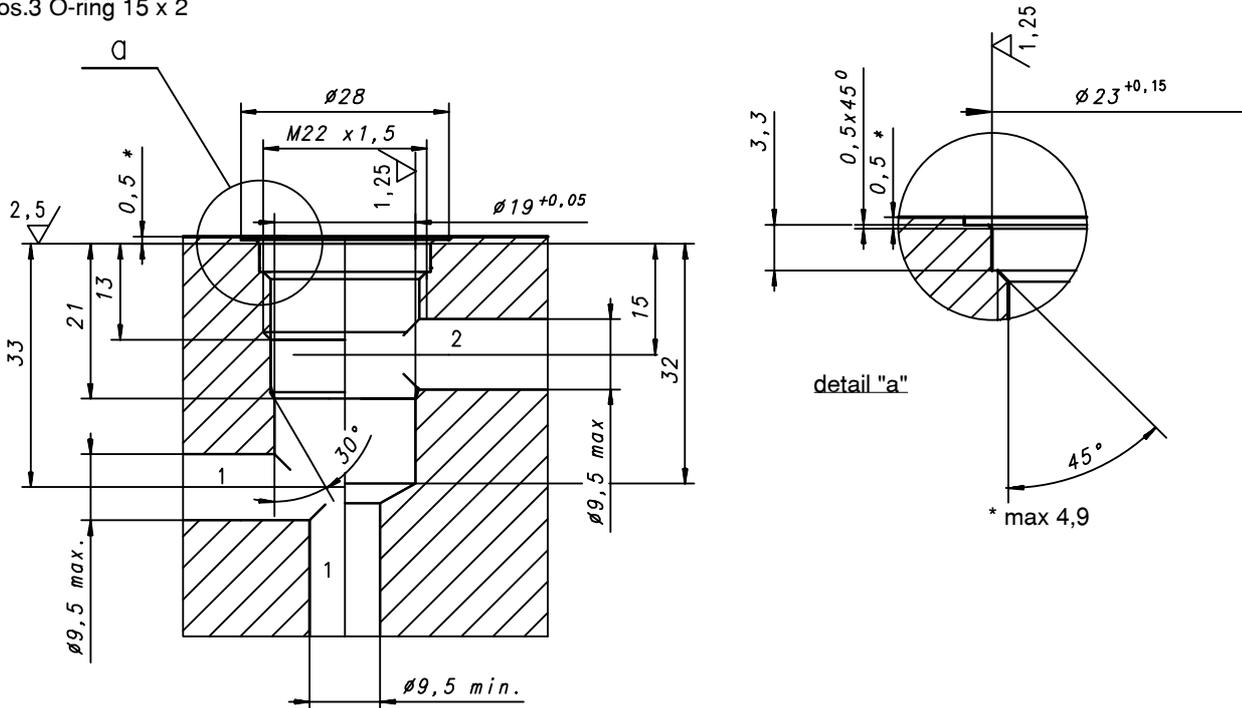
TECHNICAL DATE

Working fluid	Mineral oil
Nominal fluid viscosity	37 mm ² / s at temperature 328 K
Viscosity range	2,8 up to 380 mm ² / s
Optimum working temperature range	313 up to 328 K
Fluid temperature range	243 up to 343 K
Pressure setting	5; 10; 20; 30 MPa
Max working pressure	30 MPa
Max allowable fluid flow	100 dm ³ / min
Required fluid filtration	16 μm
Recommended fluid filtration	10 μm
Weight	0,2 kg

OVERALL AND CONNECTION DIMENSIONS

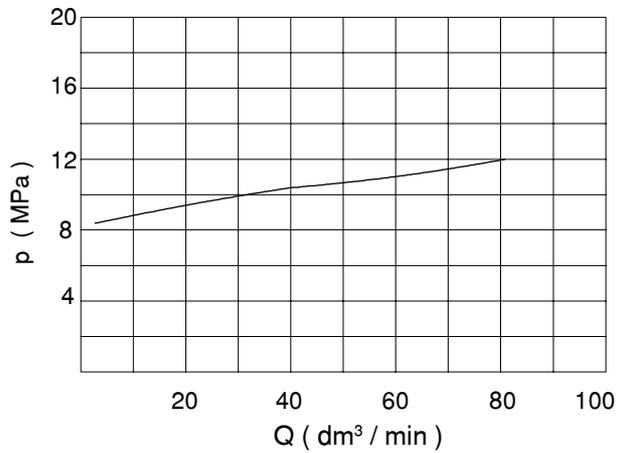
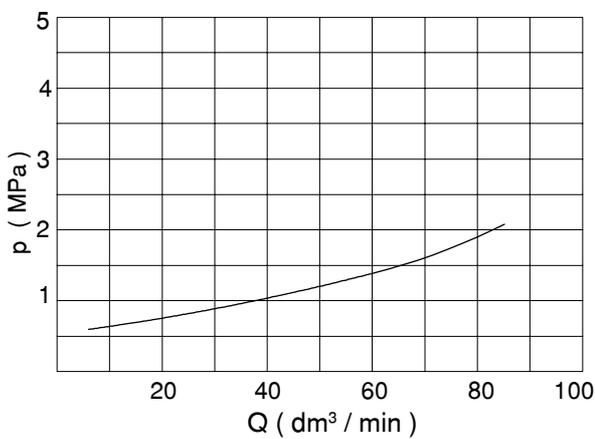


- pos.1 O-ring 18 x 2,65
- pos.2 O-ring 15,6 x 1,8
- pos.3 O-ring 15 x 2



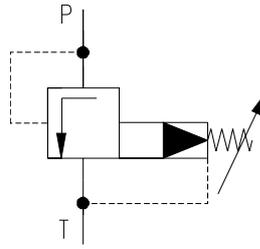
Dimensions of cavity
 Tightening torque of valve cartridge - 80Nm
 Mounting position-unrestricted

PERFORMANCE CURVES at $v = 41 \text{ mm}^2/\text{s}$ and temp. 323 K



Working pressure in relation to flow

SYMBOL



Type UZPS 6

HOW TO ORDER

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

UZPS 6 / - - 2 *

Series number

02 = 02
(00 - 09) = installation and connection dimension unchanged

Pressure setting

do 5 MPa = 50
do 10 MPa = 100
do 20 MPa = 200
do 29 MPa = 300

Setting element

Set screw with internal hexagon = 2

Further requirements to be added in text (to agree with the manufacturer)

CODING EXAMPLE:
UZPS 6 / 02 - 100 - 2

PONAR WADOWICE S.A.
ul. Wojska Polskiego 29
34-100 Wadowice
tel. 033/ 823 39 43, 823 30 41
fax 033/ 873 48 80
e-mail: ponar@ponar-wadowice.pl

