



PRESSURE CARTRIDGE RELIEF VALVE type UZPS 6

**WK
492 860**

04. 2000r.

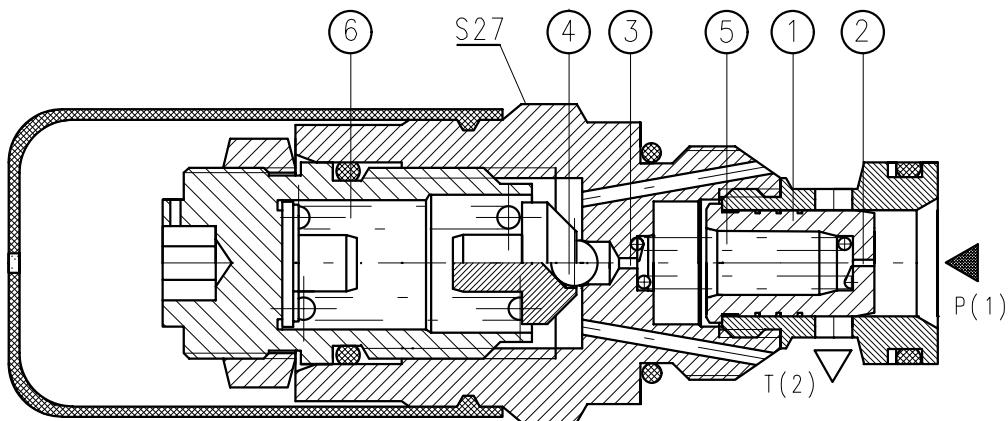
Size 6

29 MPa

60 dm³/min

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

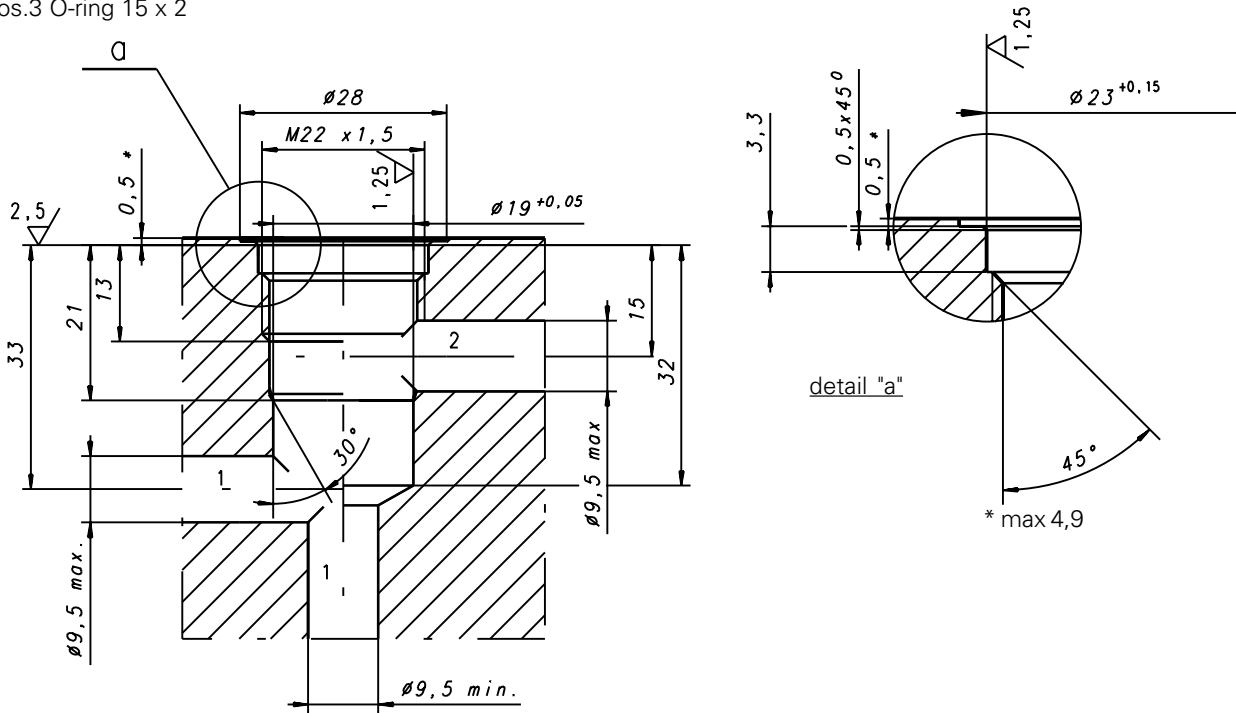
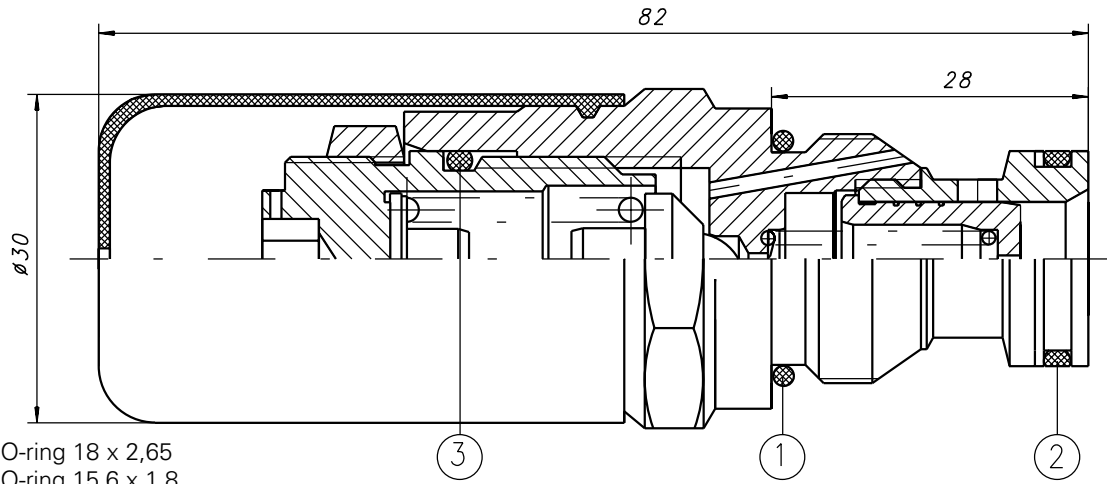
Pressure in line P affects the spool (1). At the same time, pressure affects the spring loaded side of the spool(1) via the jet bore (3). If pressure in line P exceeds the value set by the spring (6), the poppet (4) opens against the spring (6).

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 DATA

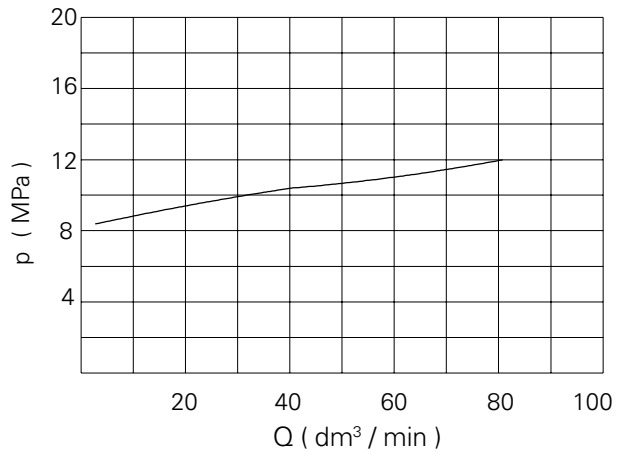
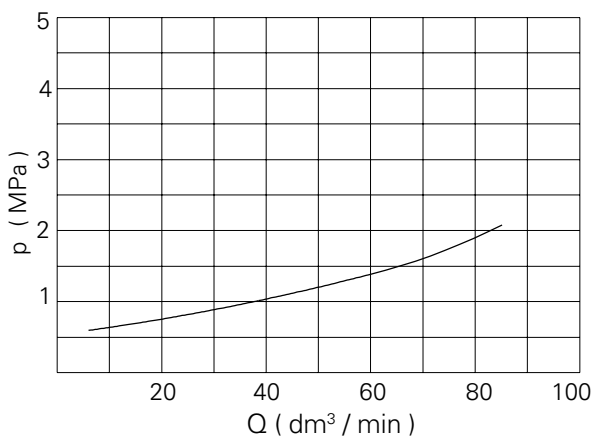
Working fluid	Mineral oil
Nominal fluid viscosity	37 mm ² / s at temperature 328 K
Viscosity range	2,8 up to 380 mm ² / s
Optimum working temperature range	313 up to 328 K
Fluid temperature range	243 up to 343 K
Pressure setting	5; 10; 20; 30 MPa
Max working pressure	30 MPa
Max allowable fluid flow	100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

OVERALL AND CONNECTION DIMENSIONS



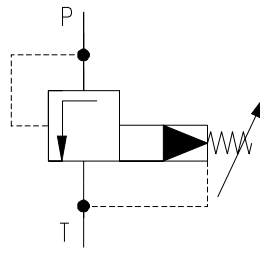
Dimensions of cavity
Tightening torque of valve cartridge - 80Nm
Mounting position-unrestricted

PERFORMANCE CURVES at $n = 41 \text{ mm}^2/\text{s}$ 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



Q-HYDRAULIKA, Rakovník
Rabasova 2281, 269 01 Rakovník, tel./fax: 313 514 718
e-mail: info@q-hydraulika.cz, www.q-hydraulika.cz