

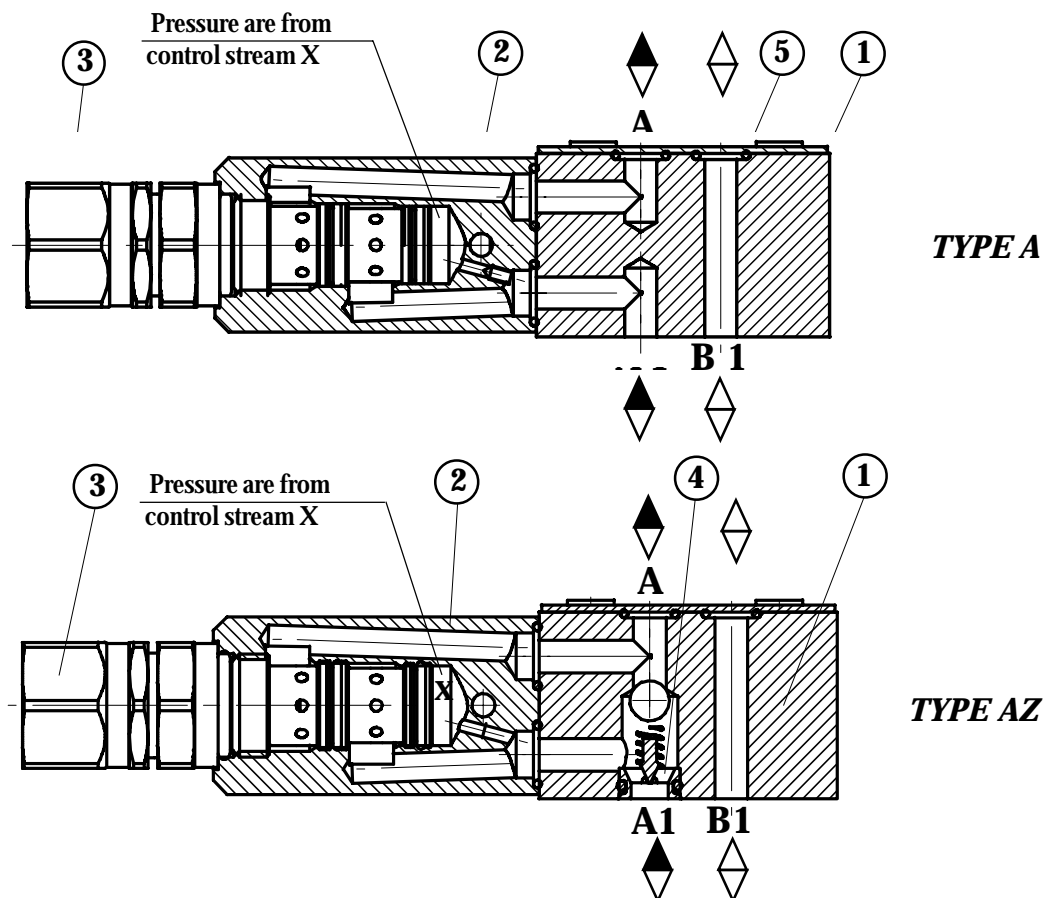
APPLICATION

Pressure sequence valve type UZKD6 serves to switch a system or any part of a system on or off when a set pressure is reached.



DESCRIPTION OF OPERATION (TYPE A, AZ)

Main component parts of the valve are a sandwich plate 1, cartridge valve body 2, valve 2URHD6-11-Z2M1.. for cartridge mounting and check valve 4. The body of the valve 2URHD6 comprises a moveable control spool supported by a set spring. When the spool is unpressurised by control pressure X, the line A1 to A is cut off. Increase of control pressure X makes the spring tension exceeded, spool switched and the line A1 to A opened. To allow free flow from A to A1 the check valve 4 is needed – version AZ and BZ.

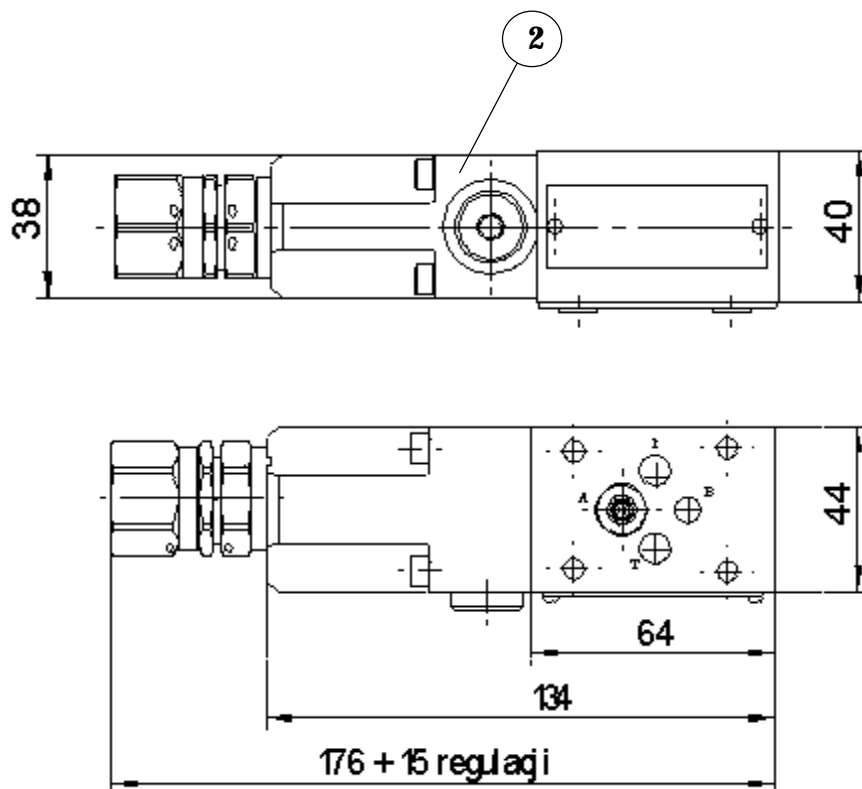


Poz 5 -"O" - ring 9,25 x 1,78 - 4 szt.

TECHNICAL DATA

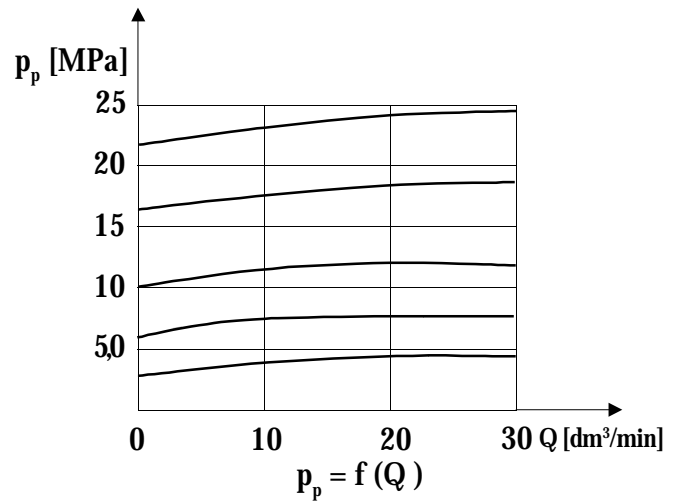
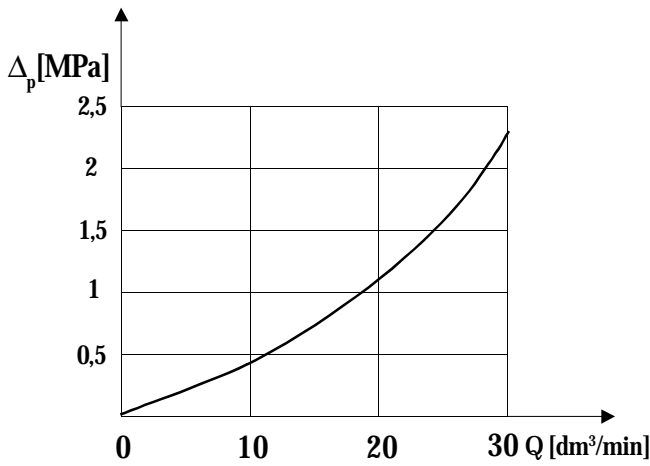
Working fluid	Mineral oil
Nominal fluid viscosity	37 mm ² /s at a temp 328 K (55 ⁰ C)
Viscosity range	2,8 do 380 mm ² /s
Optimum working temperature range	313 – 328 K (40 to 55 ⁰ C)
Fluid temperature range	243 – 343 K (-30 to 70 ⁰ C)
Max working pressure	29 MPa
Pressure range	3, 6, 12, 18, 25, MPa
Max flow rate	30 dm ³ /min
Required fluid filtration	16 μm
Recommended fluid filtration	10 μm
Weight	0,22 kg

OVERALL DIMENSIONS



Caution : Valve 2URHD6 body (pos. 2) for versions B and BZ is mounted from port B site.

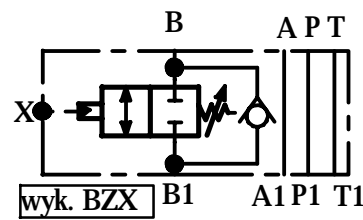
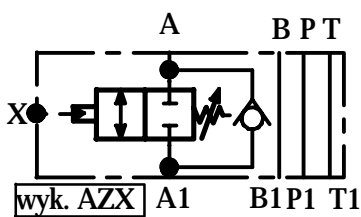
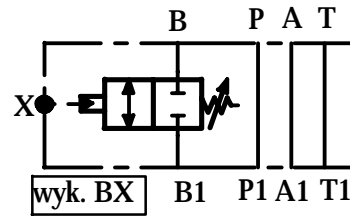
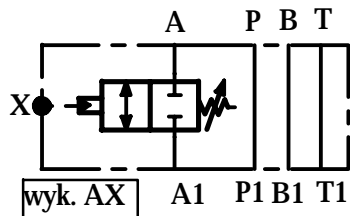
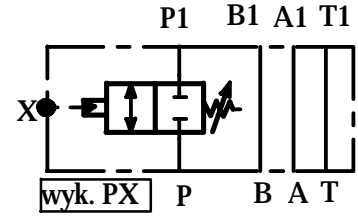
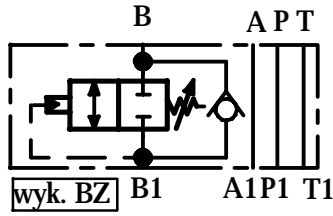
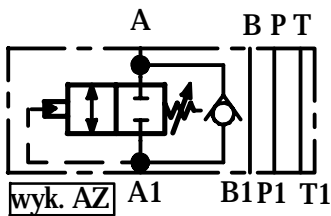
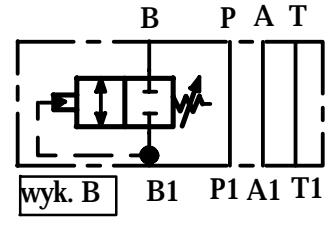
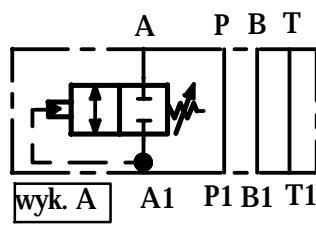
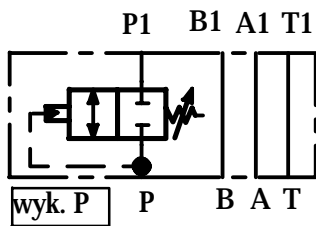
PERFORMANCE CURVES at $v = 41 \text{ mm}^2/\text{s}$ and a temp. 323 K



Performance curve

Pressure are from control stream X

DIAGRAMS



HOW TO ORDER

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

UZKD6 - 11 / 120 - 2 AZ X V *

Series number

11 =11
(10-19) installation and
connection dimension unchanged

Pressure range

to 3 MPa =30
to 6 MPa =60
to 12 MPa =120
to 18 MPa =180
to 25 MPa =250

Adjustment method

hexagonal set screw =2

Connection

Connecting at port P =P
Connecting at port A =A
Connecting at port B =B
Connecting at port A + check valve =AZ
Connecting at port B + check valve =BZ

Pilot supply:

internal =no destignation
external =X

Sealing

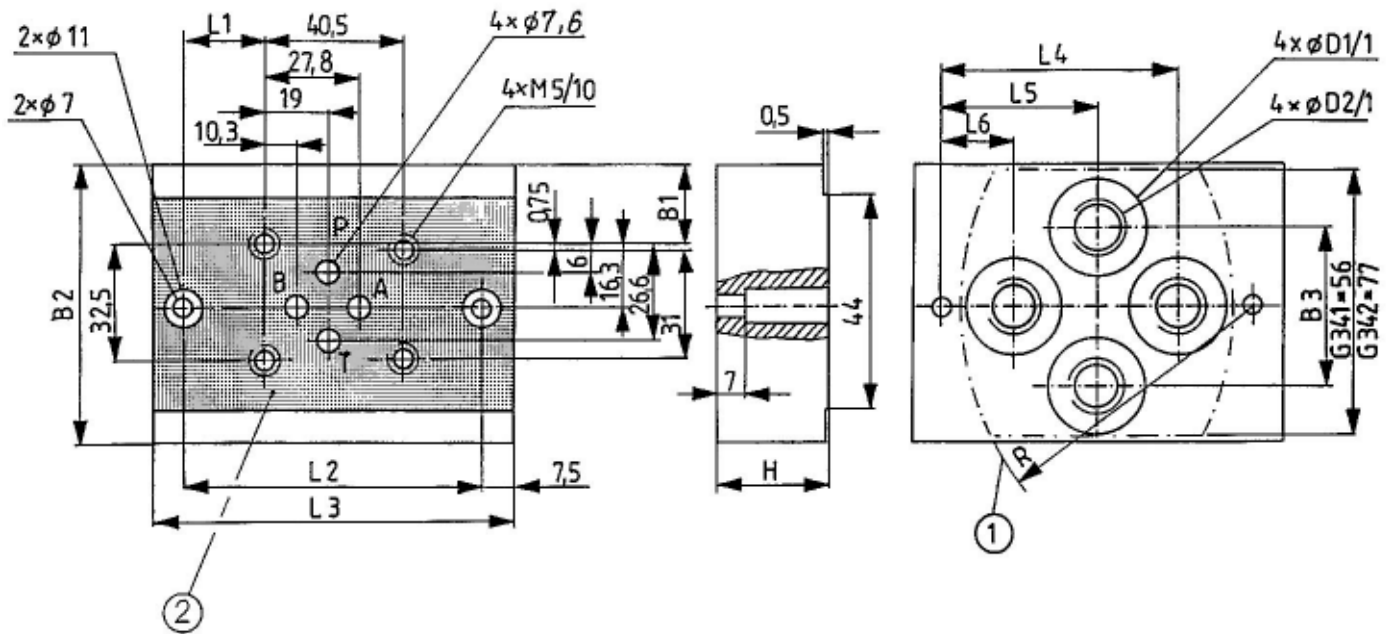
oilproof =no destignation
viton =V

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

Coding example:

UZKD 6 -11/ 120 - 2 - AZ - X - V

Dimensions of a mounting plate



- 1 - Chamber at the plate face
- 2 - Mounting surface

Typ	B1	B2	B3	L1	L2	L3	L4	L5	L6	H	D1	D2	R	T
G341/01	12,7	58	34	21	80	95	55	40	25	25	22	G1/4	70	13
G342/01	23,7	80	44	26	90	105	69	45	21	30	28	G3/8	85	13
G341/02	12,7	58	34	21	80	95	55	40	25	25	22	M14x1,5	70	15
G342/02	23,7	80	44	26	90	105	69	45	21	30	28	M16x1,5	85	15

Weight of plate G 341 ... ~ 1 kg

Weight of plate 342 ... ~ 1,9 kg

Mounting the valve to a subplate is by 4 bolts M5x...-10.9 to DIN912-10.9 with their length depending on the number of valves connected. Tightening torque $M_d = 8,8 \text{ Nm}$

The subplate and mounting bolts are not included with the valve.

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