

DIRECTIONAL CARTRIDGE CONTROL VALVE type 3 URED 4

WK 496 380

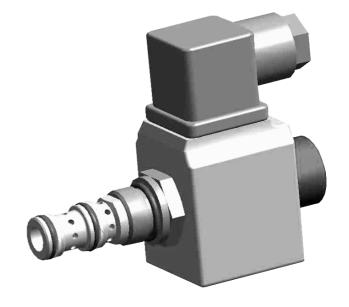
Size 6 21 MPa 30 dm³/min.

04. 2000r.

APPLICATION

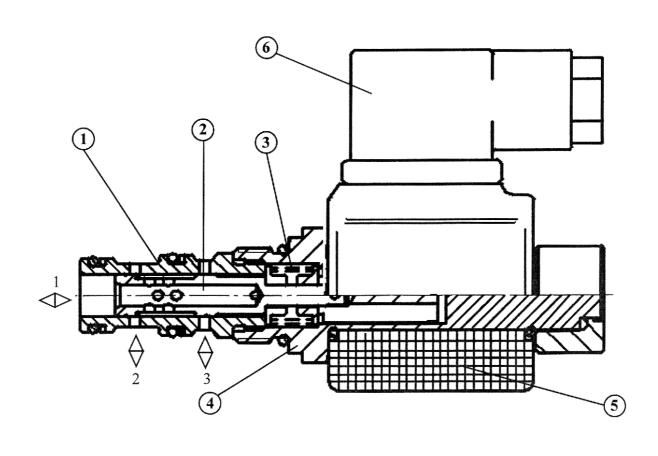
Directional cartridge control valves type 3 URED 4 are solenoid operated directional control valves. They control direction of oil flow.

- 1. Control of single acting cylinder self-reversal of plunger.
- 2. Control of double acting cylinder 2 parallel directional valves used.
- 3. Flow cut-off to pressure gauge or other component.
- 4. Control stream supply in equipment that requires external control.



DESCRIPTION OF OPERATION

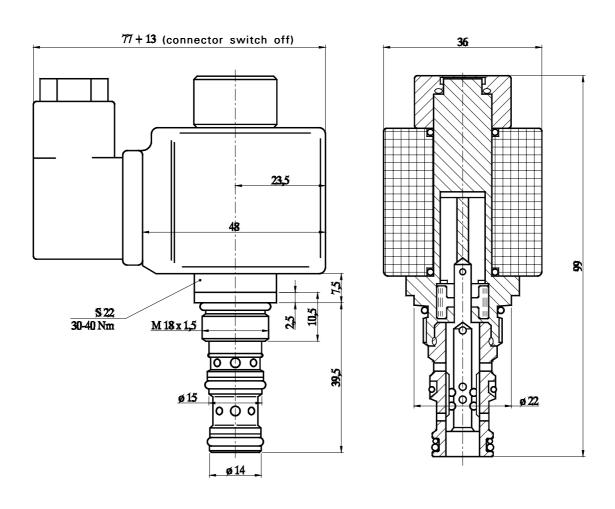
Sleeve 1 has radial openings that function as controlling edges. A plunger 2 moves inside the sleeve. Depending on the position of the plunger, ducts "1", "2" and "3" communicate with each other or are separated. Various flow control functions follow directly from the shape of the control plunger and sleeve. The plunger is moved when voltage is switched on to coil 5 via plug 6. The plunger is reversed by spring 3. The coil may be set at any angle in relation to sleeve 4.



TECHNICAL DATE

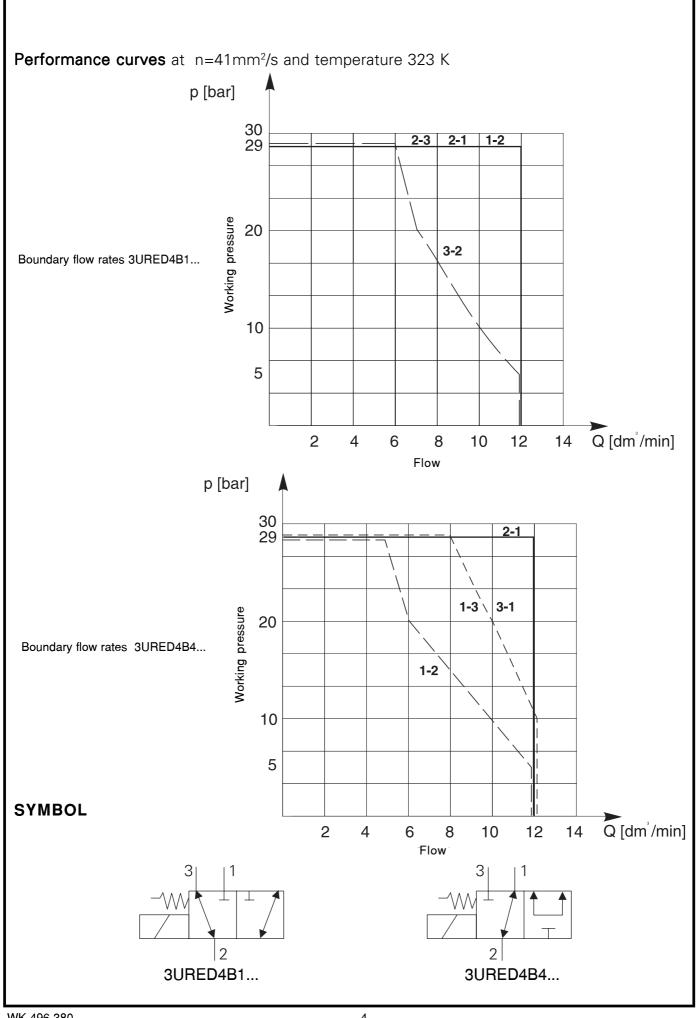
Working fluid	Mineral oil
Nominal fluid viscosity	37 mm² / s at temperature 328 K
Viscosity range	2,8 up to 380 mm ² / s
Optimum working temperature range	313 up to 328 K
Fluid temperature range	243 up to 343 K
Required fluid filtration	16 μm
Recommended fluid filtration	10 μm
Max flow rate	12 dm ³ / min
Max working pressure 1; 2; 3	29 MPa
Power requirement	21 W
Weight requirement	0,32 kg
Security degree	IP 65

OVERALL AND CONNECTION DIMENSIONS



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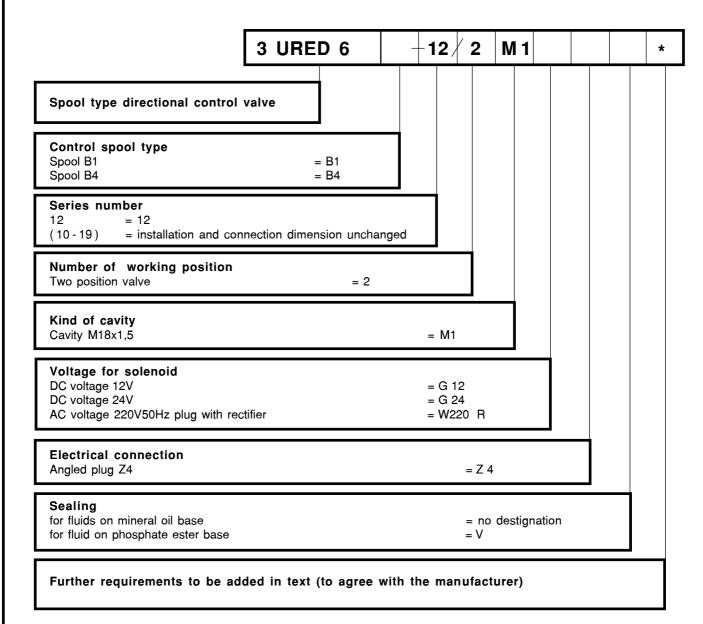
MOUNTING DIMENSIONS FOR CAVITY NG4/3 Detail A 15° Ø 19.8 o+0.1 R 0.1 2.5 Ø 23 M18x1.5 Ø 15 o^{+0.05} Ø 14 o^{+0.05} 450 20° 20° Ø 6.5 max 13 8 28 33 42 43 Ø 6.5 max Ø 6.5 max 1 Ø 6.5 min Ø 13 max Ø 0.05 0.025



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HOW TO ORDER

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



CODING EXAMPLE:

3 URED 4 B1-12/2 M1 G12 Z4 V

-5- WK 496 380

