

PRESSURE SEQUENCE VALVE TYPE DZ5DP



04.1999r.

NG 5

21 M Pa

15 dm³/min.



Pressure sequence valves are used for connecting a second hydraulic system when pressure in a main system reaches the set value.

The valve can be mounted in systems in any positions.

DESCRIPTION OF OPERATION



The sequence valve comprises the housing 1, control spool 2, pressure spring 3, pressure setting element 4 and optional check valve 5.

Sequence pressure is adjusted by means of the pressure setting element 4.

The spring 3 holds the control spool 2 in neutral position and the valve is closed. Pressure in line P affects the spool surface opposite the spring 3 via the control line 6 and jet 6. When the pressure in line P reaches the value set, the control spool moves and opens the connection A to B. The hydraulic system connected at port A is actuated, without any decrease in pressure at port P.

Supply of control fluid may also be external, via port X. Depending on the valve application, the pilot fluid drain is either external via port T (Y) or internal.

A check valve 5 may be mounted for free flow through the valve from B to A.

TECHNICAL DATA

Hydraulic fluid	Mineral oil or phosphate ester	
Nominal fluid viscosity	37 mm ² /s at the temperature of 328 K	
Viscosity range	2.8 to 380 mm²/s	
Optimum working temperature(fluid in a tank)	313 - 328 K	
Fluid temperature range	253 - 343 K	
Required fluid filtration	16 μm	
Recommended fluid filtration	10 μm	
Pressure at ports P, A, B (X)	21 MPa	
Pressure at port T (Y)	6 MPa	
Max allowable flow rate	15 dm³/min	
Weight	1.4 kg	

OVERALL DIMENSIONS



PERFORMANCE CURVES, measured at $v = 41 \text{ mm}^2/\text{s}$ and T = 323 K







SCHEMES

ve Ve	Basic version Internal pilot supply Internal pilot drain	Version X External pilot supply Internal pilot drain	Version Y Internal pilot supply External pilot drain	Version XY External pilot supply External pilot drain
With check va				
Without check valve			YM A T(Y)	

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HOW TO ORDER

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



CONNECTION DIMENSIONS FOR SUBPLATES

Subplate G 115/01 (G1/4) Weight - 0.7 kg



Subplate G 96/01 (G1/4) Weight - 0.7 kg



- 1 valve mounting surface
- 2 recess in subplate face
- Fixing bolts : M5 \times 50 8.8 PN 87/M 82302 (DIN 912) 4 pcs , torque = 9 Nm
- Note : Subplate and fixing bolts must be ordered separately

NOTES :



FABRYKA ELEMENTÓW HYDRAULIKI

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