



DZ6DP...type Direct Operated Sequence Valve

DZ6DP...5XJ...type

Size 6

Max. Working Pressure: 315 bar

Max. Flow: 60 L/min



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Features

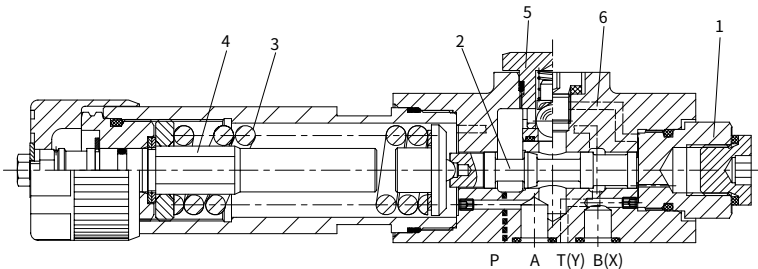
- Direct operated
- Porting pattern to DIN 24 340, form A and ISO 4401
- 5 pressure ratings
- 2 adjustment elements:
 - Rotary knob
 - Adjustable bolt with protective cap
- Pressure gauge connection
- Check valve, optional

Function and configuration

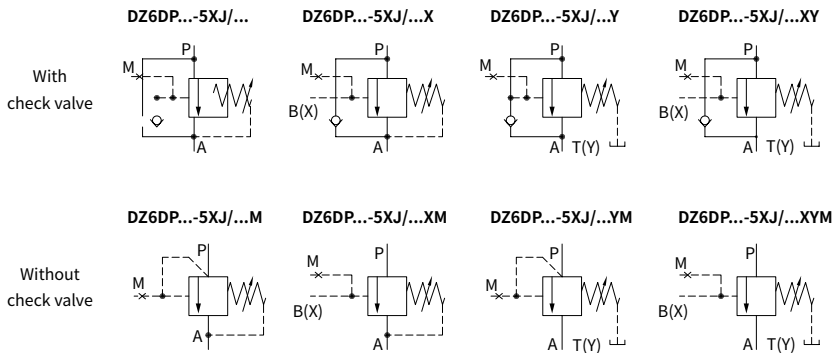
DZ6DP type valve is a direct operated pressure sequence valve. It is used for the pressure dependent connection of a secondary system. The sequence pressure is setting via the adjusting element(4). The spring (3) holds the control spool (2) in the neutral position, the valve is blocked. The pressure in channel P is acting at the end surface of the control spool (2) opposite the spring (3) via the control line (6). If the pressure in channel P reaches the setting value of the spring(3), the control spool (2) is moved to the left and the connection P to A is opened. In this case, fluid flows from channel P to A without pressure drop in channel P.

The control signal is adopted internally by the control line (6) from channel P or externally via port B (X). Depending on the use of the valve the leakage oil drain is externally via port T (Y) or internally via A.

Type DZ6DP1-5XJ/...



Symbols



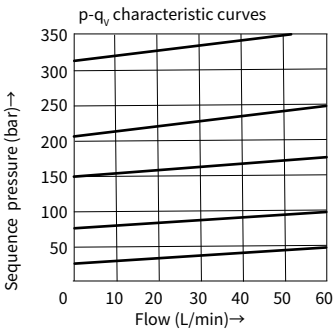
Specification

<div> <div>DZ6DP</div> <div> <div>- 5XJ</div> <div>/</div> <div></div> <div>/</div> <div></div> <div>*</div> </div> </div>		<div> <div>Direct operated pressure sequence valve nominal size 6</div> <div> <div>Rotary knob =1</div> <div>Adjustable bolt with protective cap =2</div> <div>Lockable rotary knob with scale =3</div> <div>Rotary knob with scale =7</div> </div> <div> <div>Series 50J to 59J = 5XJ</div> <div>(50J to 59J series: unchanged installation and connection dimensions)</div> <div> <div>Max. secondary pressure 25 bar =25</div> <div>Max. secondary pressure 75 bar =75</div> <div>Max. secondary pressure 150 bar =150</div> <div>Max. secondary pressure 210 bar =210</div> <div>Max. secondary pressure 315 bar =315</div> </div> </div> </div>	<div> <div>Further details in clear text</div> <div> <div>No code = NBR seals</div> <div>V = FKM seals</div> </div> <div> <div>Pressure tapping thread</div> <div> <div>No code = Incha thread</div> <div>2 = Metric thread</div> </div> <div> <div>No code = With check valve</div> <div>M = Without check valve</div> </div> <div> <div>No code = Pilot oil supply internal, oil drain internal</div> <div>X = Pilot oil supply external, oil drain internal</div> <div>Y = Pilot oil supply internal, oil drain external</div> <div>XY = Pilot oil supply external, oil drain external</div> </div> </div> </div>
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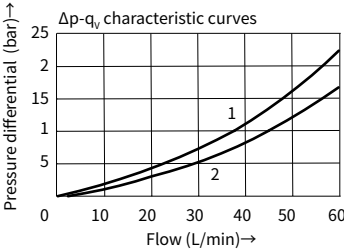
Technical data

Fluid		Mineral oil suitable for NBR and FKM seal
		Phosphate ester for FKM seal
Fluid temperature range		<div>°C</div> <div>-30 to +80 (NBR seal)</div> <div>-20 to +80 (FKM seal)</div>
Viscosity range		<div>mm²/s</div> <div>10 to 800</div>
Degree of contamination		Maximum permissible degree of fluid contamination: Class 9. NAS 1638 or 20/18/15 , ISO4406
Max.operating pressure	Port P,A,B(X)	bar 315
	Port T(Y)	bar 160
Max. adjustable sequence pressure		bar 25; 75; 150; 210; 315
Max. flow-rate		L/min 60
Weight		kg Approx. 1.6

Characteristic curves (Measured at t=40°C ±5°C , using HLP46)



1. Δp-q_v characteristic curves A to P via check valve
2. Δp-q_v characteristic curves P to A



The characteristic curves are valid for output pressure = zero in the complete flow range.

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