

Supply Pressure Compensator

Model: ZDC...2X



- ◆ Size 10, 16
- ◆ Maximum working pressure 350 bar
- ◆ Maximum working flow 150 L/min

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Features

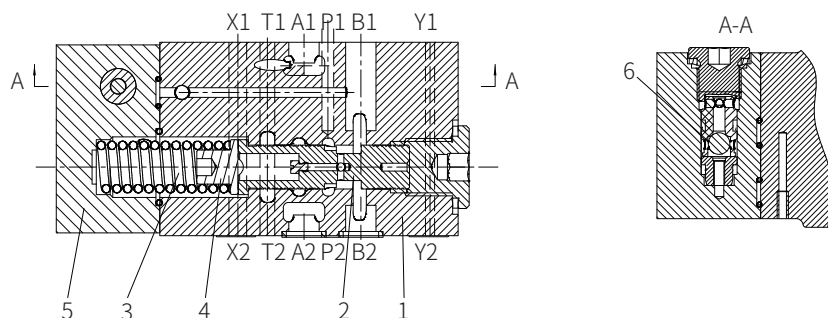
- Sandwich plate type
- Two-way version "P"
- Flow control when work with proportional directional valves
- The mounting surface according to the standard DIN24 340 A

Function description, sectional drawing

The ZDC...-2XJ valve is a direct operated supply pressure compensator with two-way design. It is used as a supply pressure compensator for load compensation in port P.

The valve is mainly composed of the valve body (1), control spool (2), the pressure spring (3) with the spring seat (4), and end cover (5) with the integral shuttle valve (6).

When the differential pressure from P1 to A1 or P1 to B1 is less than 10bar, the compression spring (3) holds the control spool (2) from P2 to P1 in the open position. If the differential pressure exceeds 10bar, the control spool (2) moves to the left until the differential pressure is restored.



Models and specifications

	ZDC	P	2X	/		*
pressure compensator	=ZDC					more information in text
size 10	=10					sealing material
size 16	=16					NBR seals
						FKM seals
two-way (reducing function)	=P					(consult for other seals)
20 to 29 series	=2X					pilot oil supply
(20 to 29 series installation and connection size unchanged)						supply internal
						supply external
						supply external
						Oil port X at the valve side closed
						(size 10 only)

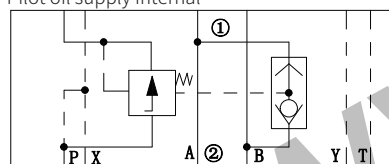
Technical parameters

Working medium	Mineral oil - for NBR seal and FKM seal
	Phosphate ester - for FKM seal
Working medium temperature range °C	-20 to +70
Viscosity range mm ² /s	10 to 800
Cleanliness of oil	The maximum allowable pollution level of oil is NAS1638 Class7
Working pressure bar	
Oil port A, B, P	350
Oil port T	250
Oil port X	30 to 100
Oil port Y	150; 30 (together with electro-hydraulic proportional directional valve)
Maximum flow L/min	85 (size 10); 150 (size 16)

Functional symbols

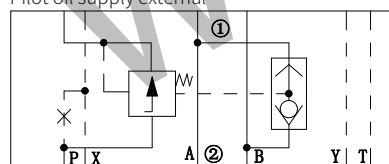
(①= Valve side, ②= Subplate side)

Pilot oil supply internal



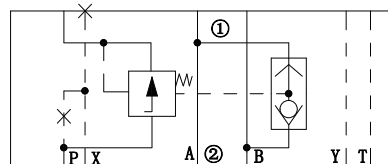
Model ZDC...P-2XJ/...

Pilot oil supply external



Model ZDC...P-2XJ/X

Oil port X at valve side closed (size 10 only)



Model ZDC...P-2XJ/XL

