Pressure Reducing Valve

Technical specification

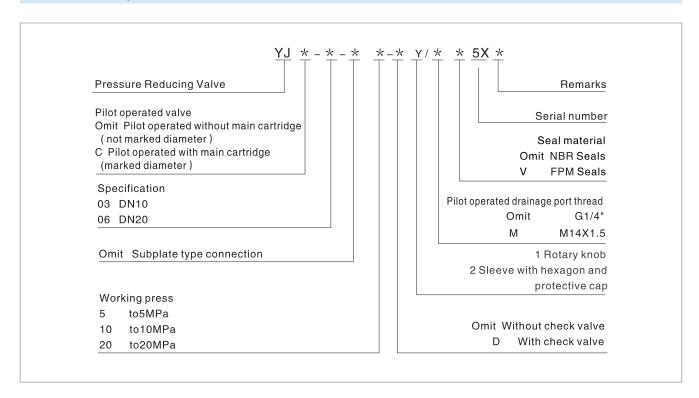


Specification		03	}	06							
Max. working pr	essure (MPa)	31.5									
Max. Flow	(L/min)	15	0	300							
Working fluid		Mineral oil;phosphate-ester									
Fluid temp.	$(^{\circ}\!$	-20~70									
Viscosity	(mm²/s)	12~380									
Working pressu	re (MPa)	5	10	20	31.5						
Cleanliness The maximum allowable cleanliness of the oil should be according to 9th degree of Standard NAS1638.It is suggested that the minimum											

filter rating should be β 10 \geqslant 75.

The YJ pilot–operated reducing valve is controlled by the pilot and mainly used to reduce the pressure of a certain loop in the hydraulic system. It is suitable for hydraulic systems with a large flow rate.

Model description



Code symbol





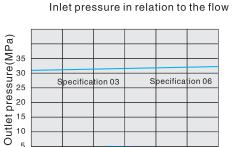
Pressure Reducing Valve

Performance curve (Test condition: Test under $\upsilon = 41 \text{mm}^2/\text{s}$ and $t = 50 ^{\circ}\text{C}$)

250

200

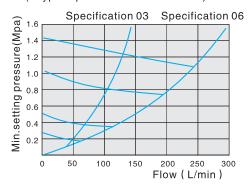
Flow (L/min)



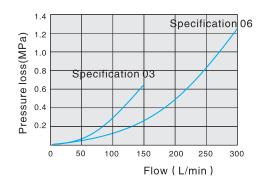
100

0

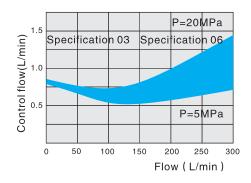
Minimum settable pressure in relation to the flow (A→B) (=bypass pressure version "...X...")



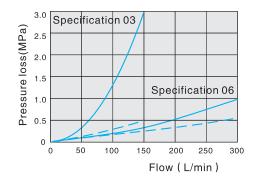
Inlet pressure in relation to the flow



Inlet pressure in relation to the flow



The curve △ P-Q pass through the check valve

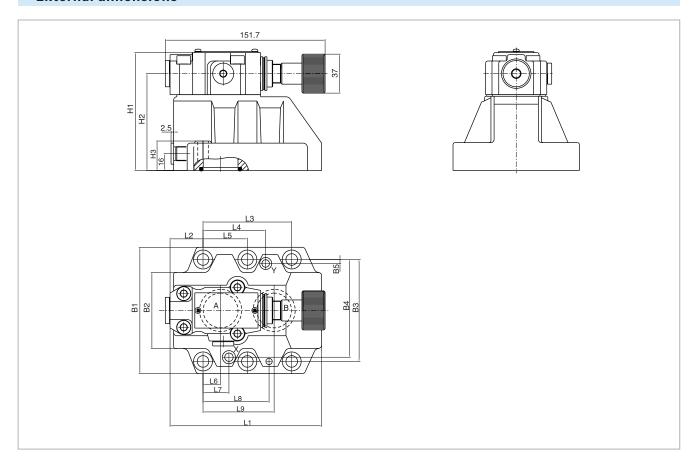


 The flow resistence through the check valve, when the main valve is closed

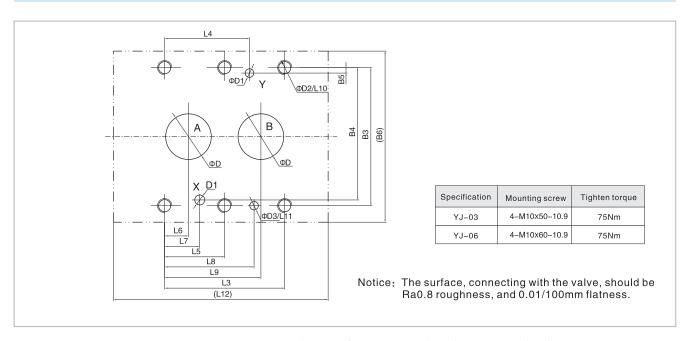
 The flow friction through the check valve, when the main valve is open

Pressure Reducing Valve

External dimensions



Subplate mounting size



Mode	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	В1	B2	ВЗ	В4	B5	В6	H1	H2	НЗ	D	D1	D2	D3
YJ-03	96	35.5	42.9	21.5	-	7.2	21.5	31.5	35.8	23	6	98	85	50	66.7	58.8	7.9	87	112	92	28	12	6	M10	7
YJ-06	116	37.5	60.3	39.7	_	11.1	20.6	44.5	49.2	24	6	118	102	59.5	79.4	73	6.4	104	122	102	38	25	6	M10	7