Orthogonal Check Valve

Technical specification
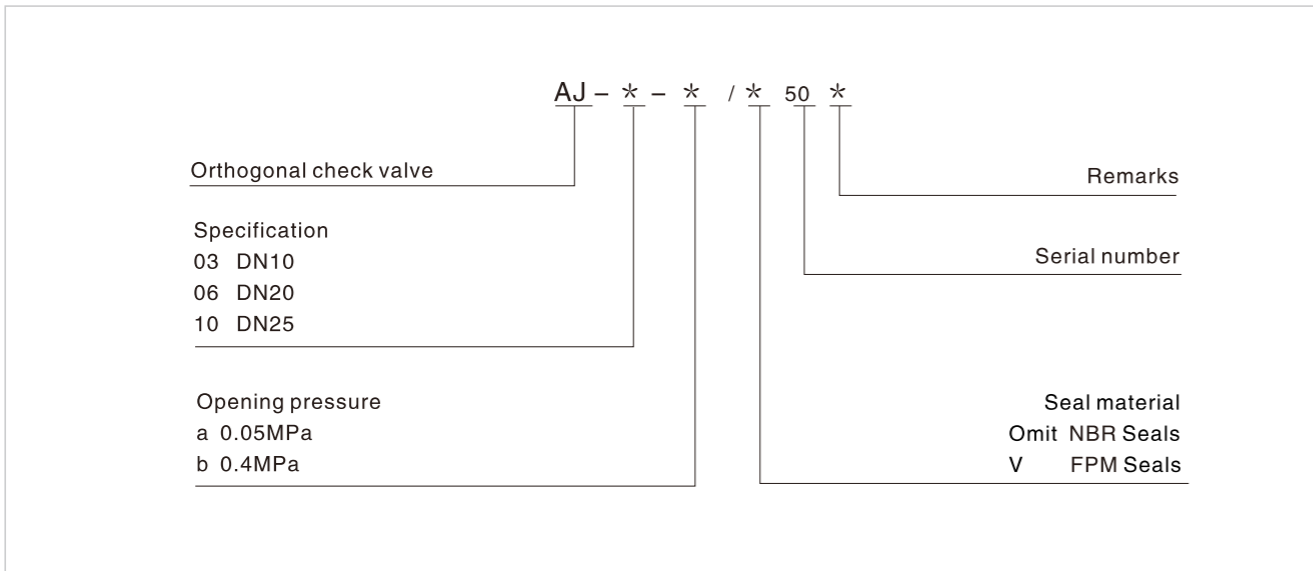

Specification	03	06	10
Max. working pressure (MPa)	31.5		
Max. Flow(L/min)	80	220	430
Working fluid	Mineral oil;phosphate−ester		
Fluid temp.　　　　(℃)	−20~70		
Viscosity　　　(mm²/s)	2.8~380		
Opening pressure　(MPa)	a0.05　　b0.4		
Cleanliness	The maximum allowable cleanliness of the oil should be according to 9th degree of Standard NAS1638.It is suggested that the minimum filter rating should be β 10≥75.		

Check valve allows the fluid to flow only in one direction and prevents it from flowing in the opposite direction.

Check valve could be used at the outlet of hydraulic pressure pump to avoid the oil flow backwards. It can also separate the oil lines to avoid the oil lines mutual interference. It can be used as by−pass valve.
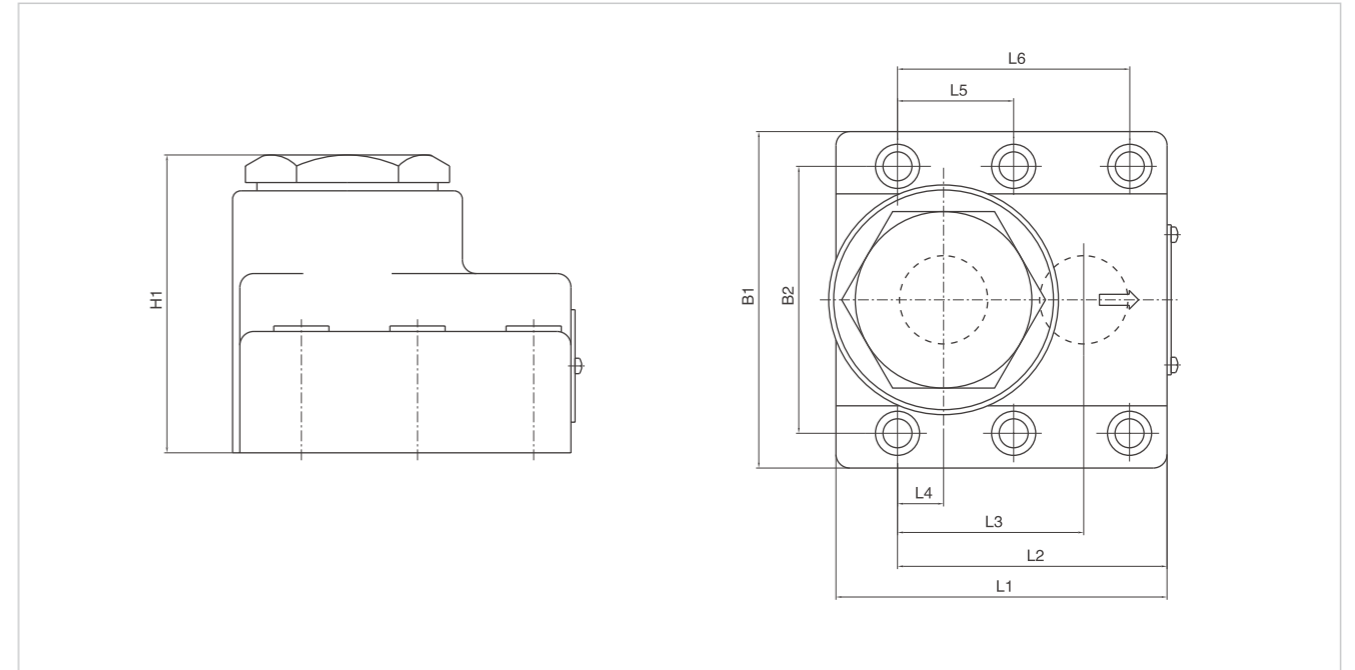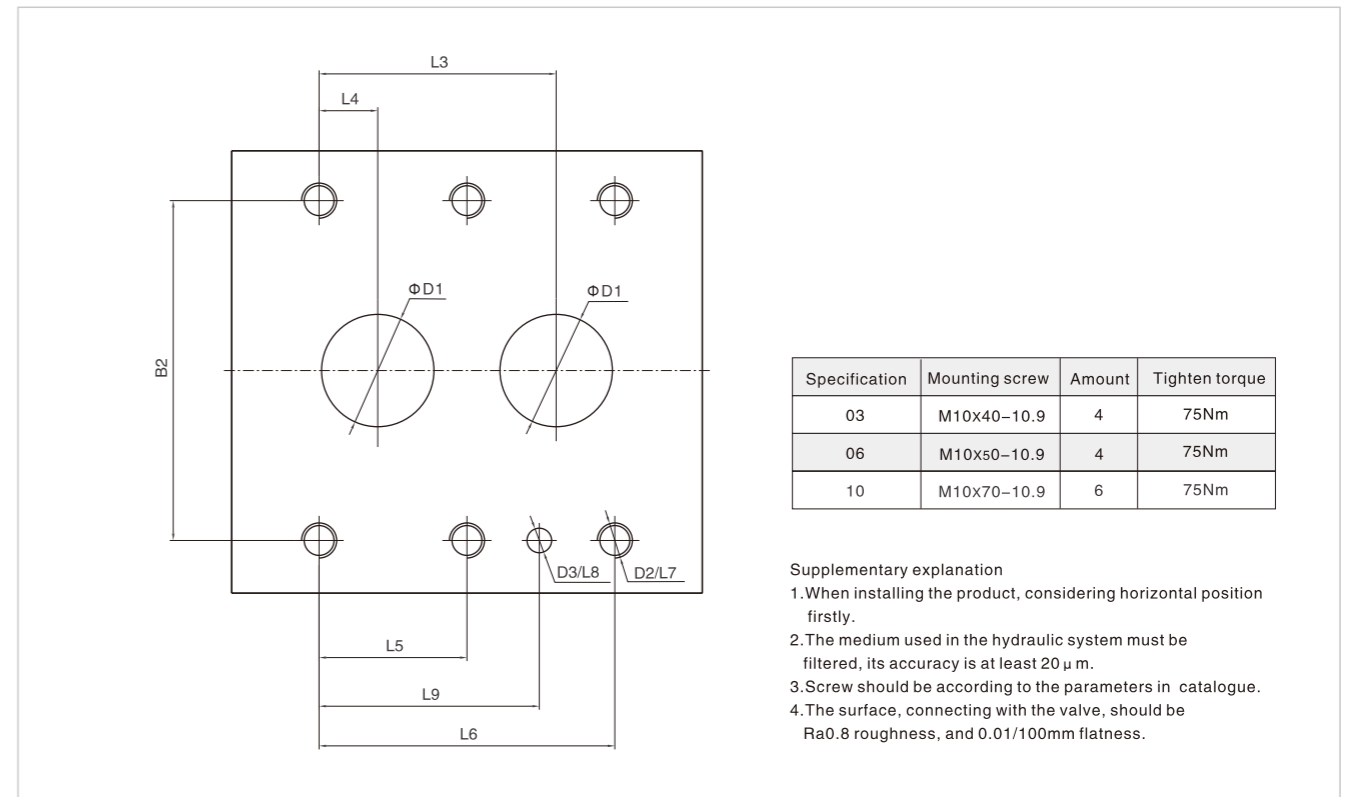
Model description

AJ－＊－＊／＊ 50 ＊

Orthogonal check valve

Specification
03　DN10
06　DN20
10　DN25

Opening pressure
a　0.05MPa
b　0.4MPa

Remarks

Serial number

Seal material
Omit　NBR Seals
V　　FPM Seals

Code symbol

A ──▷〇⫣⩘── B

Orthogonal Check Valve

External dimensions

Size of subplate oil port

Specification	Mounting screw	Amount	Tighten torque
03	M10x40−10.9	4	75Nm
06	M10x50−10.9	4	75Nm
10	M10x70−10.9	6	75Nm

Supplementary explanation
1. When installing the product, considering horizontal position firstly.
2. The medium used in the hydraulic system must be filtered, its accuracy is at least 20 μ m.
3. Screw should be according to the parameters in catalogue.
4. The surface, connecting with the valve, should be Ra0.8 roughness, and 0.01/100mm flatness.

Specification	B1	B2	L1	L2	L3	L4	L5	L6	L7	L8	L9	D1	D2	D3	H1
03	90	66.7	67	55	35.8	7.25	–	42.9	23	6	31.8	13	M10	7	67
06	103.5	79.4	84.3	72.3	49.2	11.1	–	60.3	24	6	44.5	22	M10	7	79
10	122	96.8	112	98	67.5	16.7	42.1	84.2	25	6	62.7	32	M10	7	105