HYDRAULIC-OPERATED CHECK VALVE

Technical Specification

Specification		03	06	10
Maximum working pressure	(Bar)	315		
Control pressure	(Bar)	5~315		
Max. Flow	(L/min)	100	350	550
Working fluid		Mineral oil; phosphate-ester		
Fluid temp.	(°C)	-20~70		
Viscosity	(mm^2/s)	2.8~380		
Working press	(Bar)	a: 1,5	b: 3	c: 6 d: 10
Cleanliness		The maximum allowable cleanliness of the oil should be according to 9th dagree of Standard NAS 1638. It is suggested that the minimum filter rating should be β 10≥75.		

Hydraulic–operated check valve allows oil to flow in only one direction, and it can not allow the oil to flow in the opposite direction unless it uses the hydraulic control.

Hydraulic–operated check valve can be used as two way on–off valve, and also can be seen as a pressure retaining valve or a sustaining valve of the standing fluid cylinders.

Model Description

WCPDG – * * * – * / * 50 *

Hydraulic-operated check valve
WCPDG1 Internal discharge type
WCPDG2 External discharge type

Specification

Plate connecting type	Pipe connecting type	Screw thread connector
03 NS10	10 DN10	G1/2"orM22x1.5
	15 DN15	G3/4"orM27x2
06 NS20	20 DN20	G1"orM33x2
	25 DN25	G1 1/4"orM42x2
10 NS30	30 DN30	G1 1/2"orM48x2

Omit Plate connectiong type
G : Pipe connecting type -G Screw
G2 : Pipe connecting type - M Screw

A : With unloading function
B : Without unloading function

Remarks

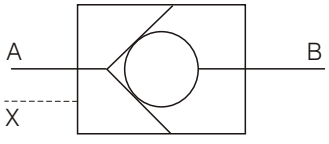
Serial number

Seal material
Omit : NBR Seals
V : FPM Seals

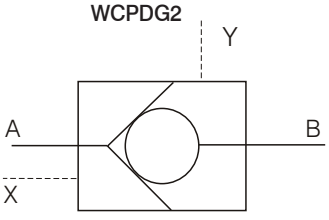
Opening pressure
a :1,5
b: 3
c: 6
d: 10

Code Symbol

WCPDG1

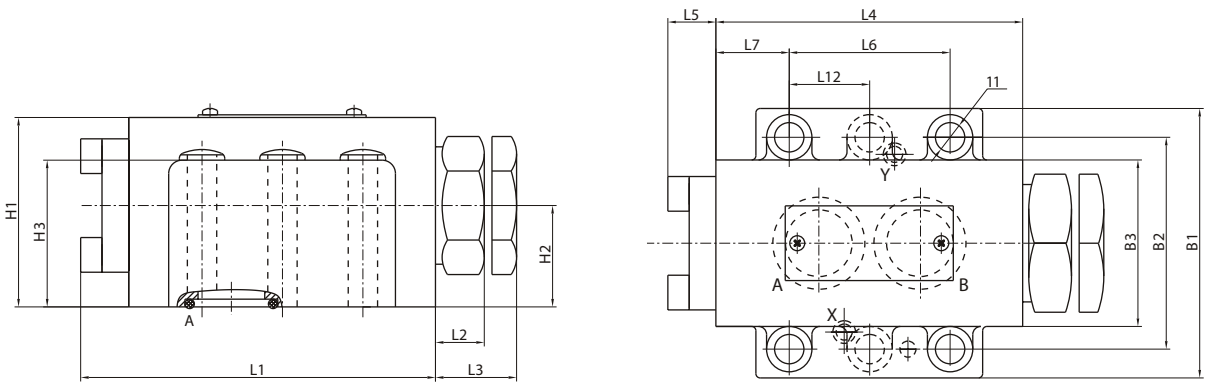


WCPDG2

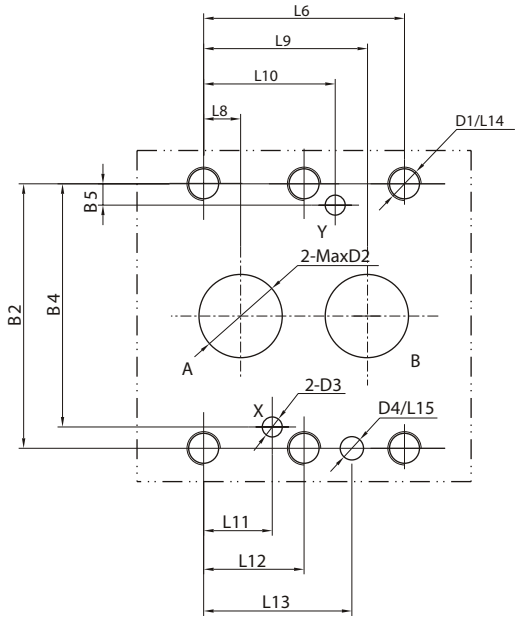


HYDRAULIC-OPERATED CHECK VALVE

External Dimensions



Size Of Subplate



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.

Model	Specification	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10		L11	L12	L13	L14	L15
											WCPDG1	WCPDG2					
WCPDG1	03	102	14.3	15.5	89	13	42 9.	18.5	7.2	35.8	–	21.5	21.5	–	31.8	23	6
	06	133	18.3	47.7	115	18	60.3	27.5	11.1	49.2	–	39.5	20.6	–	44.5	24	6
WCPDG2	10	156	35.6	46.1	134	22.1	84.2	39	16.7	67.5	–	42.1	24.6	42.1	62.7	25	6

Model	Specification	B1	B2	B3	B4	B5		H1	H2	H3	D1	D2	D3	D4
						WCPDG1	WCPDG2							
WCPDG1	03	84	66.7	44	58.8	–	7.9	51	29	36	M10	13	6	7
	06	101	79.4	62.4	73	–	6.4	71	38	55	M10	22	6	7
WCPDG2	10	117	96. 8	77	92. 8	–	3.8	85	42.5	70	M10	32	6	7