

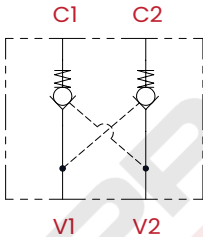
VBD CHECK VALVES BSPP



DOUBLE ACTING PILOT CHECK VALVES
VBD pilot check valves are used to lock a double acting actuator in place in both directions, ensuring the load is locked



HYDRAULIC CIRCUIT

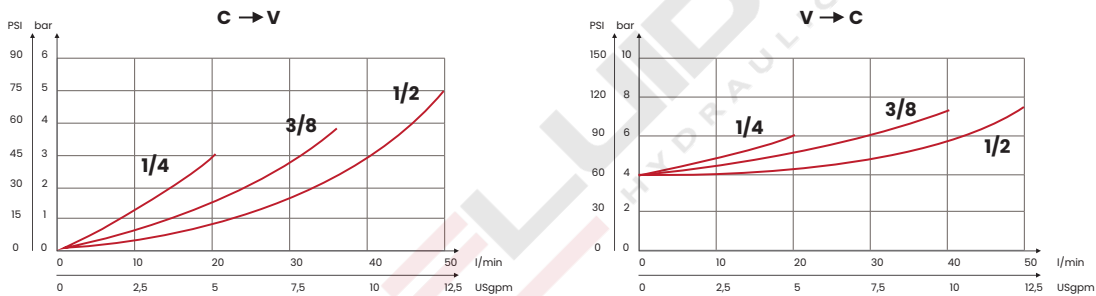


TECHNICAL CHARACTERISTICS

mm [Inches]

F	B	H	L	M	N	P	A	C	D
1/4 BSPP	30 [1,18]	40 [1,57]	63 [2,5]	16,5 [0,65]	46,5 [1,83]	7 [0,28]	22,5 [0,65]	85,5 [3,4]	31,5 [0,24]
3/8 BSPP									
1/2 BSPP	35 [1,38]	50 [2,0]	82 [3,23]	23 [0,90]	59 [2,32]	15 [0,59]	31,5 [1,24]	113,5 [4,5]	41 [1,61]
Steel body									

PERFORMANCES



ORDERING CODE

CODE	TYPE	F ports	MAX FLOW l/min [Usgpm]	MAX PRESSURE bar [PSI]	PILOT RATIO	CRACKING PRESSURE bar [PSI]	WEIGHT kg [lb]
FA5001	VBD1B	1/4 BSPP	20 [5,3]	350 [5075]	1:5,5	4,5 [65]	0,65 [1,43]
FA5002	VBD2B	3/8 BSPP	35 [9,2]				0,6 [1,32]
FA5003	VBD3B	1/2 BSPP	50 [13,2]		1:5		1,1 [2,43]
Available with spring 3 bar, 6 bar							

UPDATE: March 2023 (v.05)

Mineral oil: DIN 51524 ISO 6743/4 | Oil viscosity: 15 to 250 cSt 15-250 mm2/s | Oil temperature: -4°F + 176°F
-20°C + 80°C | Ambient temperature: -4°F + 122°F -20°C + 50°C | Max contamination index with filter: 5 to 250
cSt 15-250 mm2/s | It is necessary a filter use to protect the valve (advised filtration 15 µm) | Max leakage:
0,25 cm3/min - 5 drops/min