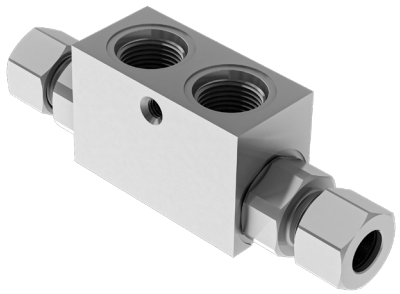
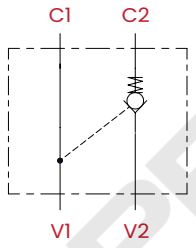
VBST *CHECK VALVES SAE*

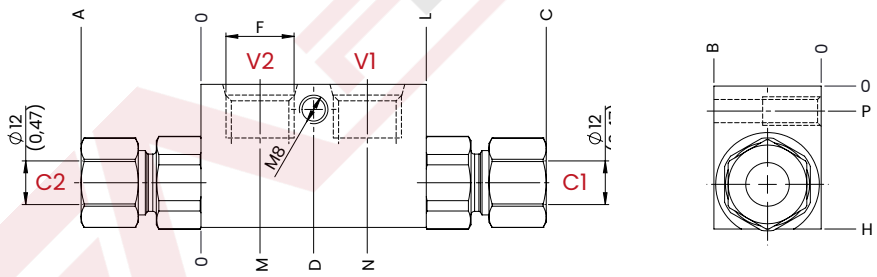
DIN2353 SINGLE ACTING PILOT CHECK VALVES

VBST pilot check valves are used to lock a single acting actuator in position, ensuring that the load is locked. This version was made for valve mounting with steel pipe.



HYDRAULIC CIRCUIT





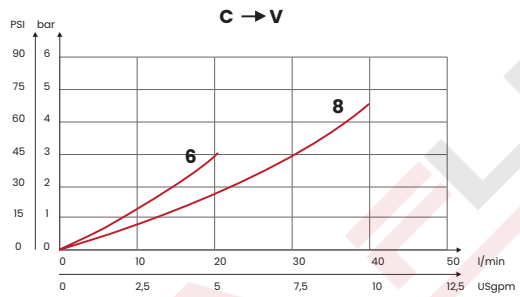
mm [Inches]

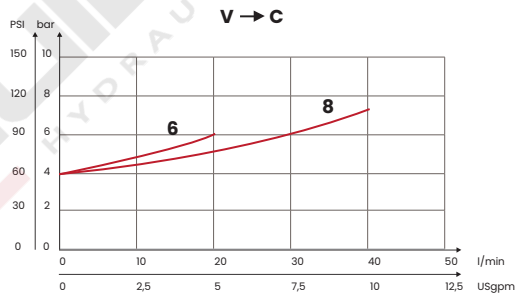
TECHNICAL CHARACTERISTICS

mm [Inches]

F	B	H	L	M	N	P	A	C	D	E
SAE 6 [9/16-18 UNF]	30 [1,18]	40 [1,57]	63 [2,5]	16,5 [0,65]	46,5 [1,83]	7 [0,27]	33,5 [1,31]	96,5 [3,8]	31,5 [1,24]	M8
SAE 8 [3/4-16 UNF]		45 [1,77]	66 [2,6]	15 [0,59]	51 [2]	6 [0,23]			33 [1,3]	d.7 [0,27]
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]
FA5037	VBS1ST	SAE 6 [9/16-18 UNF]	20 [5,3]	350 [5075]	1:5,5	4,5 [65]	0,62 [1,37]
FA5038	VBS2ST	SAE 8 [3/4-16 UNF]	35 [9,2]				0,59 [1,3]

UPDATE. Feb. 2024 (v.04)

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/mi

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