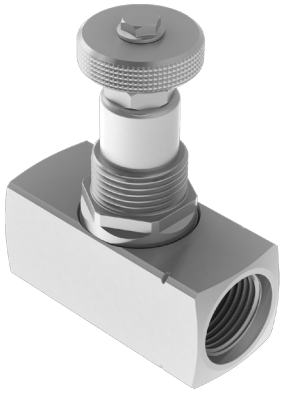
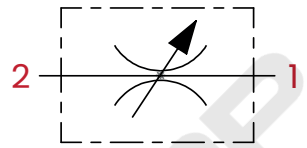
SBD NEEDLE VALVES - LOCK NUT SAE

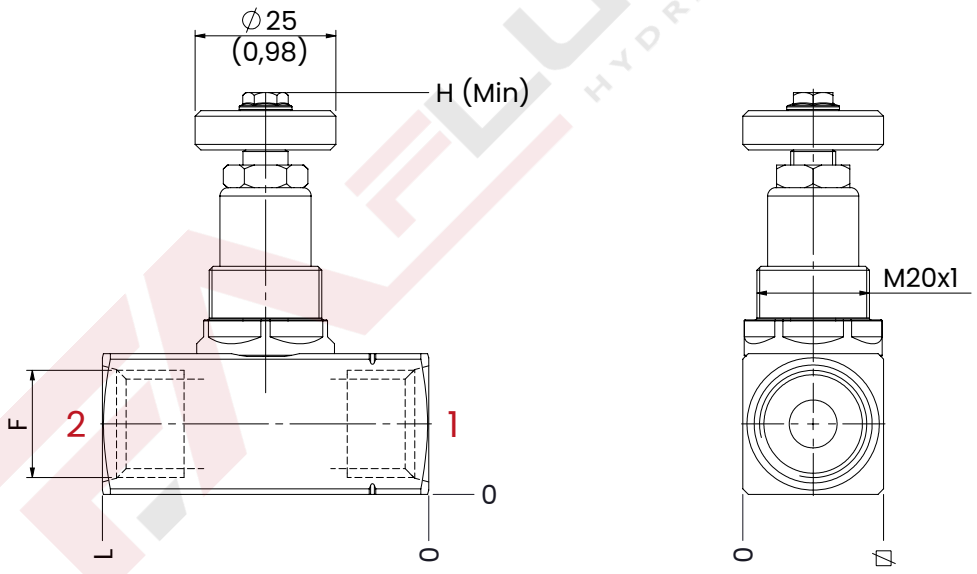
BIDIRECTIONAL FLOW CONTROL VALVES

Needle valves SBD regulate the speed of an actuator in both directions.



HYDRAULIC CIRCUIT





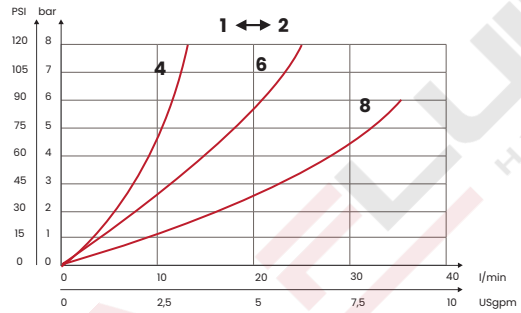
mm [Inches]

TECHNICAL CHARACTERISTICS

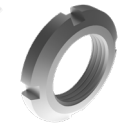
mm [Inches]

F	L	H	⊠	OPTIONAL RING NUT
SAE 4 [7/16-20 UNF]	54 [2,13]	72 [2,83]	25 [0,98]	63500014 M20 x 1
SAE 6 [9/16-18 UNF]				
SAE 8 [3/4-16 UNF]	58 [2,28]			
Steel body				

PERFORMANCES



OPTIONAL RING NUT



ORDERING CODE

CODE	TYPE	F ports	MAX FLOW l/min [USgpm]	MAX PRESSURE bar [PSI]	WEIGHT kg [lb]
FA4153	SBD0SYA	SAE 4 [7/16-20 UNF]	15 [4]	400 [5800]	0,30 [0,66]
FA4144	SBD1S	SAE 6 [9/16-18 UNF]	25 [6,6]		0,28 [0,61]
FA4145	SBD2S	SAE 8 [3/4-16 UNF]	35 [9,3]		0,45 [0,1]

UPDATE. Dec.. 2025 (v.06)

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)

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