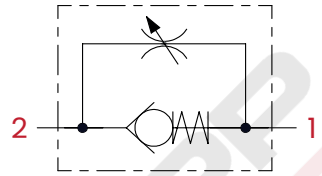
SUA FLOW CONTROL SAE

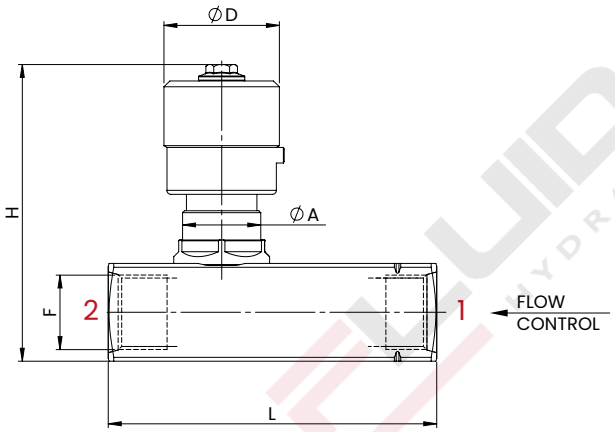
UNIDIRECTIONAL FLOW CONTROL VALVES

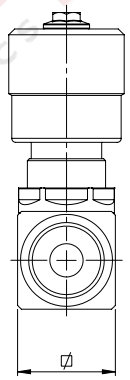
The unidirectional flow control valves SUA allow the free passage of the oil in one direction and regulate it in the opposite direction.



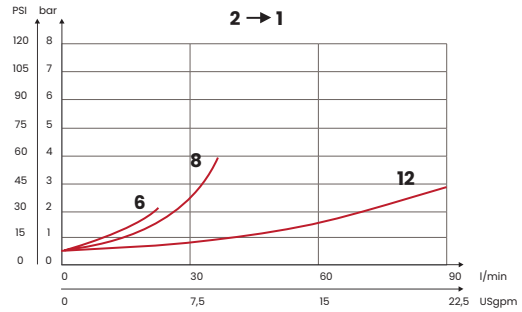
HYDRAULIC CIRCUIT

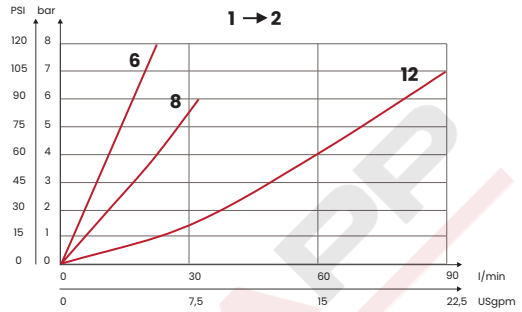


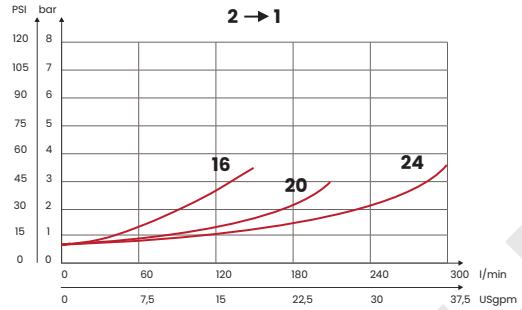


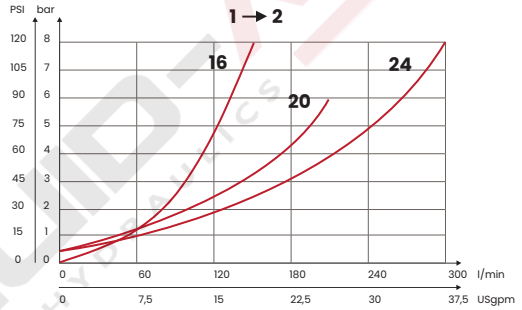


PERFORMANCES









OPTIONAL RING NUT



TECHNICAL CHARACTERISTICS

mm [Inches]

F	L	H	Ø	Ø D	A	OPTIONAL RING NUT
SAE6 [9/16-18 UNF]	70,5 [2,77]	76 [2,99]	25 [0,98]	30 [1,18]	M20 x 1	63500014
SAE8 [3/4-16 UNF]	86 [3,38]					
SAE12 [1-1/16-12 UN]	112,5 [4,43]	110 [4,33]	40 [1,57]	38 [1,5]	M35 x 1,5	63500012
SAE16 [1-5/16-12 UN]	141 [5,55]	114 [4,49]	45 [1,77]			
SAE20 [1-5/8-12 UN]	155 [6,10]	137 [5,39]	55 [2,16]	50 [1,96]	M45 x 1,5	63500013
SAE24 [1-7/8-12 UN]	168 [6,61]	147 [5,78]	65 [2,55]			
Steel body (on request stainless steel AISI 316L body)						

ORDERING CODE

CODE	TYPE	F ports	MAX FLOW l/min [USgpm]	MAX PRESSURE bar [PSI]	WEIGHT kg [lb]
FA4100	SUA1S	SAE6	25 [6,6]	400 [5800]	0,4 [0,88]
FA4101	SUA2S	SAE8	35 [9,3]		
FA4103	SUA4S	SAE12	90 [23,8]		1,45 [3,2]
FA4104	SUA5S	SAE16	150 [39,6]		2 [4,4]
FA4105	SUA6S	SAE20	200 [52,8]	350 [5075]	3 [6,6]
FA4106	SUA7S	SAE24	300 [79,2]		4,5 [10]

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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