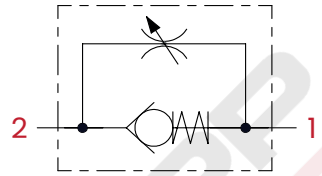
# SUA FLOW CONTROL SAE

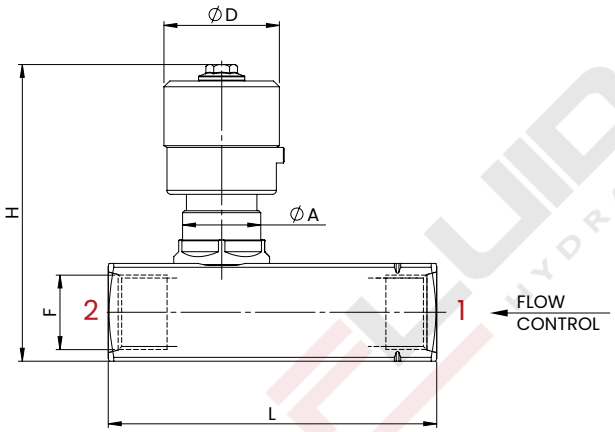
## UNIDIRECTIONAL FLOW CONTROL VALVES

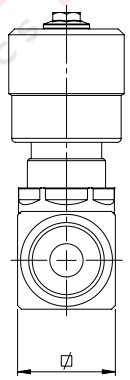
The unidirectional flow control valves SUA allow the free passage of the oil in one direction and regulate it in the opposite direction.



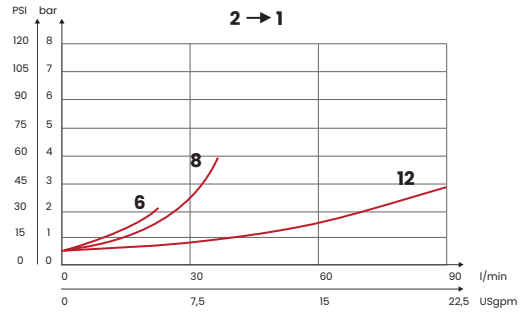
## HYDRAULIC CIRCUIT

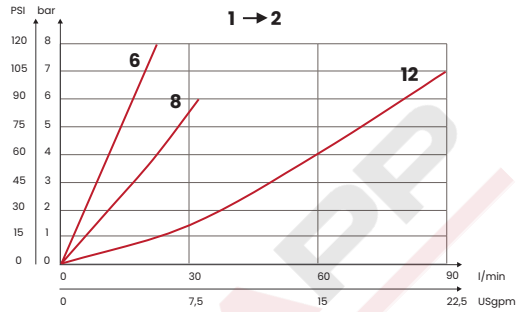


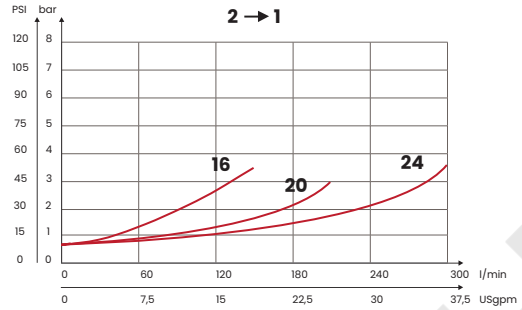



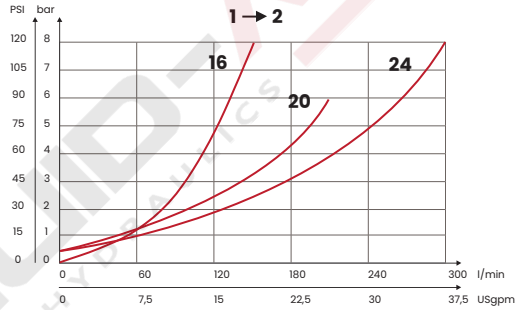




## PERFORMANCES




## 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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