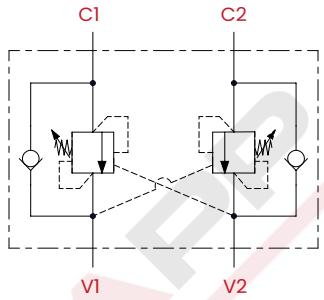
# BFA COUNTERBALANCE SAE

## DOUBLE COUNTERBALANCE VALVES FOR OPEN CENTER - FLANGED VERSION

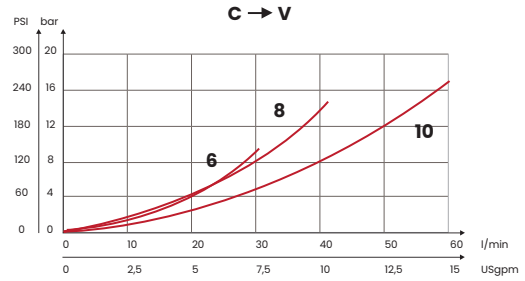
BFA counterbalance valves are used to keep a load locked, the built-in relief valve protects the system from overpressure in the cylinder by draining the oil.

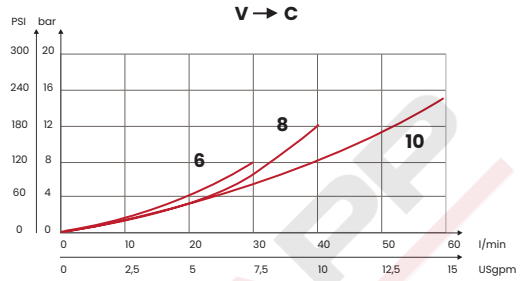


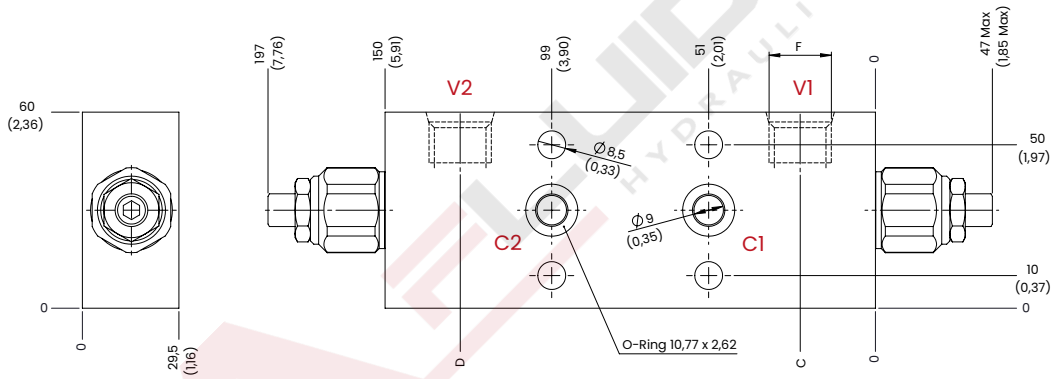
## HYDRAULIC CIRCUIT




## PERFORMANCES




## OPTIONAL TAMPER PROOF CAP M10



| CODE |
|---|
| 62200021 |

## TECHNICAL CHARACTERISTICS

**mm** [Inches]

| F | C | D |
|---|---|---|
| SAE6 [9/16-18 UNF] | 23 [0,91] | 127 [5] |
| SAE8 [3/4-16 UNF] | | |
| SAE10 [7/8-16 UNF] | 21 [0,83] | 129 [5,07] |
| **Steel body (on request aluminium body)** | | |

## ORDERING CODE

| CODE | TYPE | F ports | MAX FLOW l/min [USgpm] | MAX PRESSURE bar [PSI] | STANDARD SETTING bar [PSI] | RANGE SPRING bar [PSI] | INCREASE TO TURN bar [PSI] | PILOT RATIO | WEIGHT kg [lb] |
|---|---|---|---|---|---|---|---|---|---|
| FA2053 | BFA1S21 | SAE6 | 30 [7,9] | 350 [5075] | 210 [3045] | 30/210 [435/3045] | 80 [1160] | 1:4,25 On request 1:8,1 | 2,05 [4,52] |
| FA2054 | BFA1S35 | | | | 350 [5075] | 60/350 [870/5075] | 135 [1960] | | |
| FA2055 | BFA2S21 | SAE8 | 40 [10,6] | | 210 [3045] | 30/210 [435/3045] | 80 [1160] | | 2 [4,41] |
| FA2056 | BFA2S35 | | | | 350 [5075] | 60/350 [870/5075] | 135 [1960] | | |
| FA2057 | BFA3S21 | SAE10 | 60 [15,9] | | 210 [3045] | 30/210 [435/3045] | 80 [1160] | | 1,96 [4,32] |
| FA2058 | BFA3S35 | | | | 350 [5075] | 60/350 [870/5075] | 135 [1960] | | |
| **Standard setting 350 bar** [5075 PSI] **to 5 l/m** [1,32 USgpm] | | | | | **Standard setting 210 bar** [3045 PSI] **to 5 l/m** [1,32 USgpm] | | | | |

UPDATE. March 2023 (v.03)



**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 at 80% of the calibration pressure

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