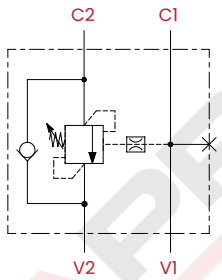
BSD COUNTERBALANCE BSPP

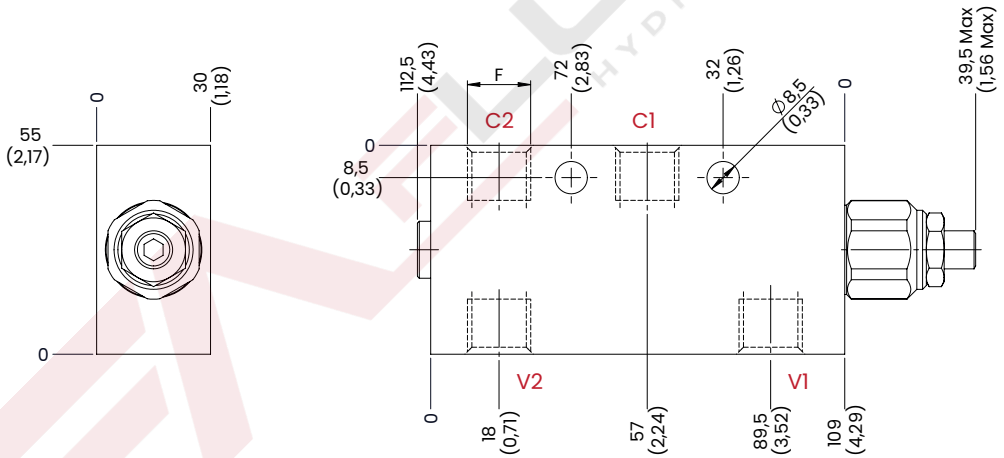
SINGLE COUNTERBALANCE VALVES IN LINE, FOR OPEN CENTER

BSD counterbalance valves (Gas thread) 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





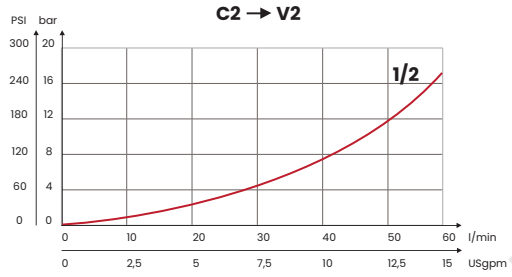
mm [Inches]

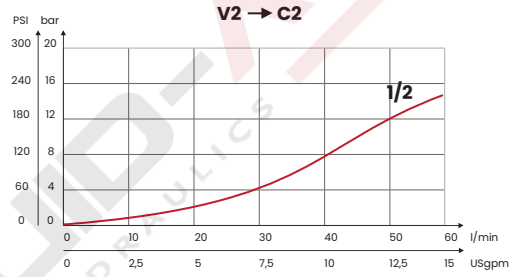
TECHNICAL CHARACTERISTICS

mm [Inches]

F	B	H	M	I
1/2 BSPP	35 [1,38]	60 [2,36]	1/4 BSPP	54 [2,13]
Steel body (on request aluminium body)				

PERFORMANCES





OPTIONAL TAMPER PROOF CAP M10



CODE
62200021

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]
FA1089	BSD3B21	1/2 BSPP	60 [15,9]	350 [5075]	210 [3045]	30/210 [435/3045]	80 [1160]	1:4,25	1,6 [3,53]
FA1090	BSD3B35				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 Aug. 2025 (v.05)

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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