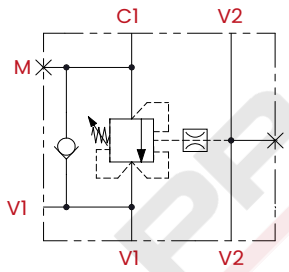
BSL COUNTERBALANCE SAE

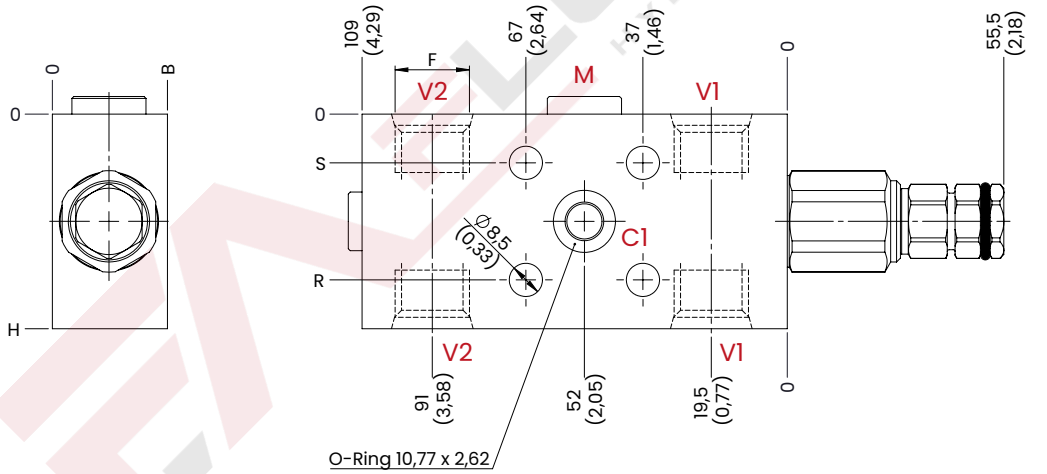
SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER - SINGLE FLANGED VERSION

The BSL counterbalance valves allow you to keep a load locked, the built-in relief valve protects the system from overpressure in the cylinder by sending the oil to drain.



HYDRAULIC CIRCUIT





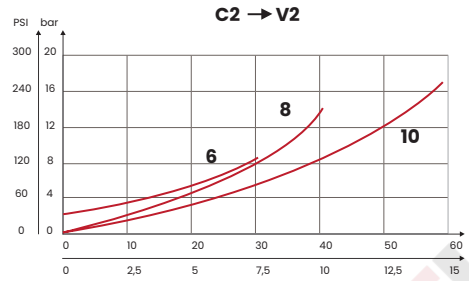
mm [Inches]

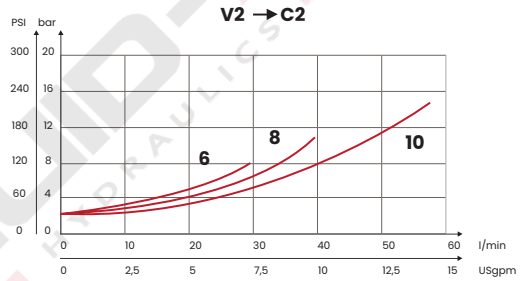
TECHNICAL CHARACTERISTICS

mm [Inches]

F	H	B	R	S
SAE6 [9/16-18 UNF]	55 [2,16]	29,5 [1,16]	12,5 [0,49]	42,5 [1,67]
SAE8 [3/4-16 UNF]				
SAE10 [7/8-16 UNF]	65 [2,56]	34,5 [1,36]	17,5 [0,69]	47,5 [1,87]
Steel body (on request aluminium body)				

PERFORMANCES





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]
FA1061	BSL1S21	SAE6	30 [7,9]	350 [5075]	210 [3045]	30/210 [435/3045]	80 [1160]	1:4,25 On request 1:8,1	1,13 [2,48]
FA1062	BSL1S35				350 [5075]	60/350 [870/5075]	135 [1960]		
FA1063	BSL2S21	SAE8	40 [10,6]		210 [3045]	30/210 [435/3045]	80 [1160]		1,07 [2,35]
FA1064	BSL2S35				350 [5075]	60/350 [870/5075]	135 [1960]		
FA1065	BSL3S21	SAE10	60 [15,9]		210 [3045]	30/210 [435/3045]	80 [1160]		1,65 [3,63]
FA1066	BSL3S35				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.01)

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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