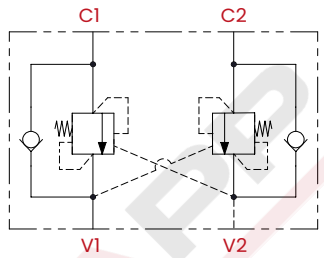
BDE COUNTERBALANCE BSPP

DOUBLE COUNTERBALANCE VALVES FIXED SETTING FOR OPEN CENTER

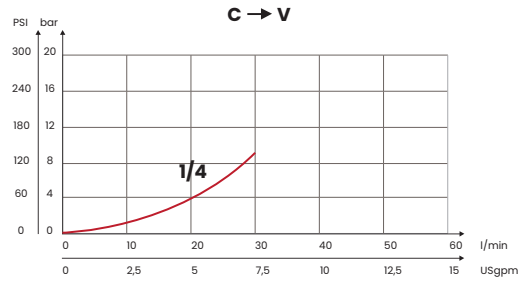
BDE counterbalance valves (Gas thread) are used to keep a load locked, the built-in relief valve protects the system from overpressure in the cylinder by draining the oil.

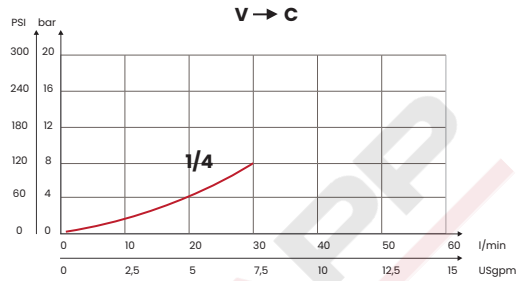


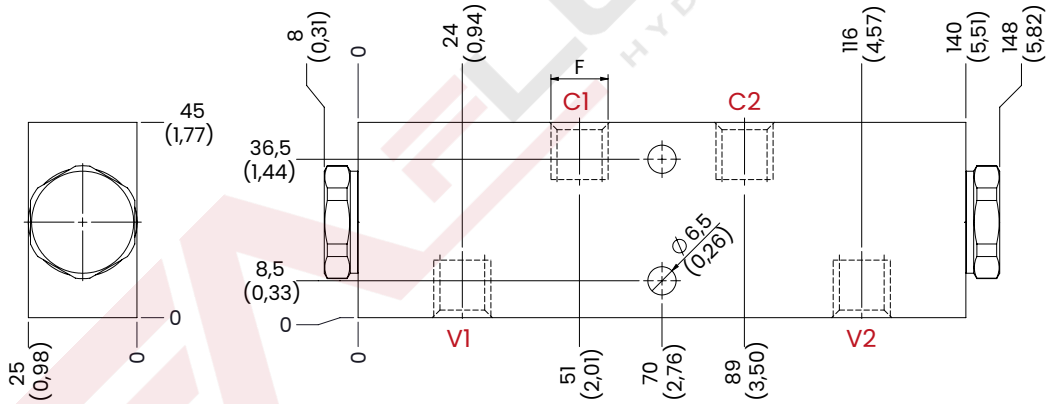
HYDRAULIC CIRCUIT



PERFORMANCES







mm [Inches]

ORDERING CODE

CODE	TYPE	F ports	MAX FLOW l/min [USgpm]	MAX PRESSURE bar [PSI]	SETTING bar [PSI]	PILOT RATIO	WEIGHT kg [lb]
FA2085	BDE1B21	1/4 BSPP	30 [7,9]	350 [5075]	210 [3045]	1:4,25	1,25 [2,75]
FA2086	BDE1B35				350 [5075]	On request 1:8,1	
Steel body (on request aluminium body - stainless steel AISI 316L body)							

UPDATE. Nov. 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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