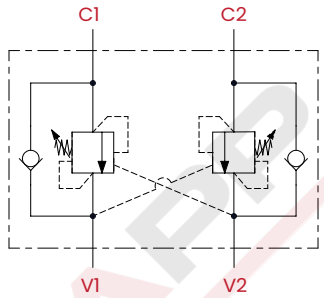
BDAY COUNTERBALANCE BSPP

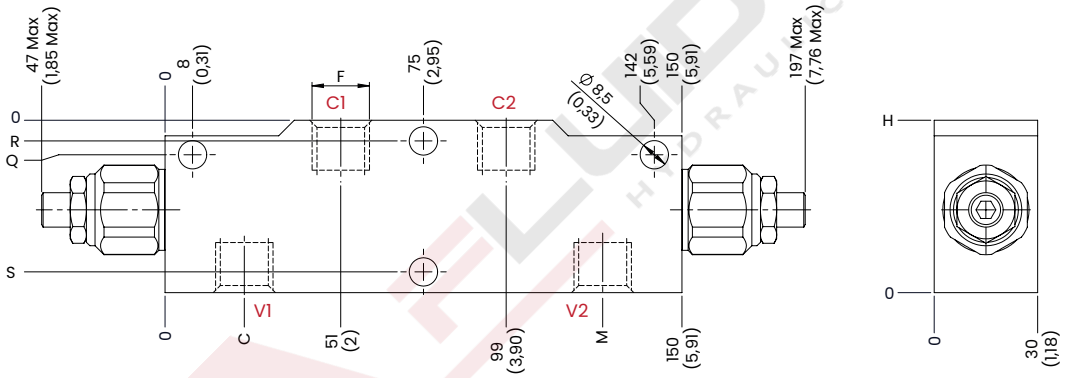
DOUBLE COUNTERBALANCE VALVES FOR OPEN CENTER

BDAY 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



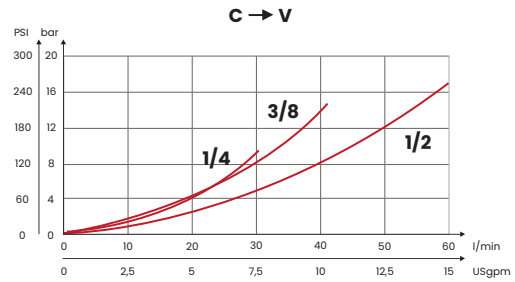


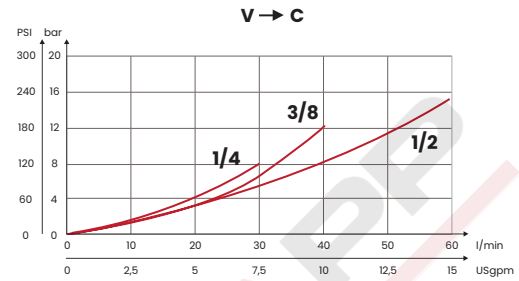
TECHNICAL CHARACTERISTICS

mm [Inches]

F	H	C	M	Q	R	S
1/4 BSPP	50 [1.97]	23 [0.91]	127 [5]	10 [0,39]	6 [0,24]	44 [1,75]
3/8 BSPP						
1/2 BSPP	60 [2,36]	21 [0,83]	129 [5,08]	12,5 [0,49]	8,5 [0,33]	51,5 [2 ,03]
Steel body (on request stainless steel AISI 316L 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]
FA2011	BDA1B21YA	1/4 BSPP	30 [7,9]	350 [5075]	210 [3045]	30/210 [435/3045]	80 [1160]	1:4,25	1,8 [4]
FA2012	BDA1B35YA				350 [5075]	60/350 [870/5075]	135 [1960]		
FA2013	BDA2B21YA	3/8 BSPP	40 [10,6]		210 [3045]	30/210 [435/3045]	80 [1160]		1,72 [3,8]
FA2014	BDA2B35YA				350 [5075]	60/350 [870/5075]	135 [1960]		
FA2015	BDA3B21YA	1/2 BSPP	60 [15,9]		210 [3045]	30/210 [435/3045]	80 [1160]		2 [4,4]
FA2016	BDA3B35YA				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. Jan. 2025 (v.07)

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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