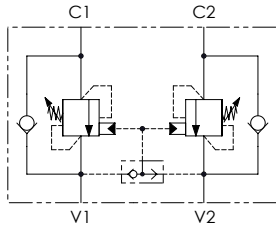
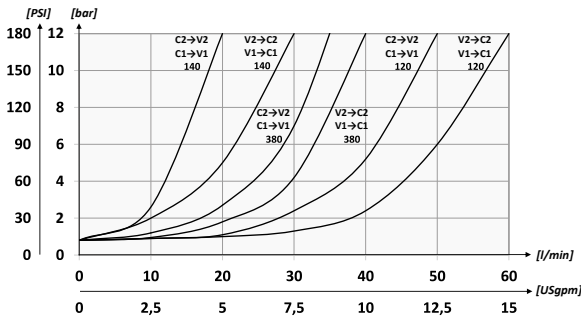

Hydraulic circuit

Performances

Ordering code

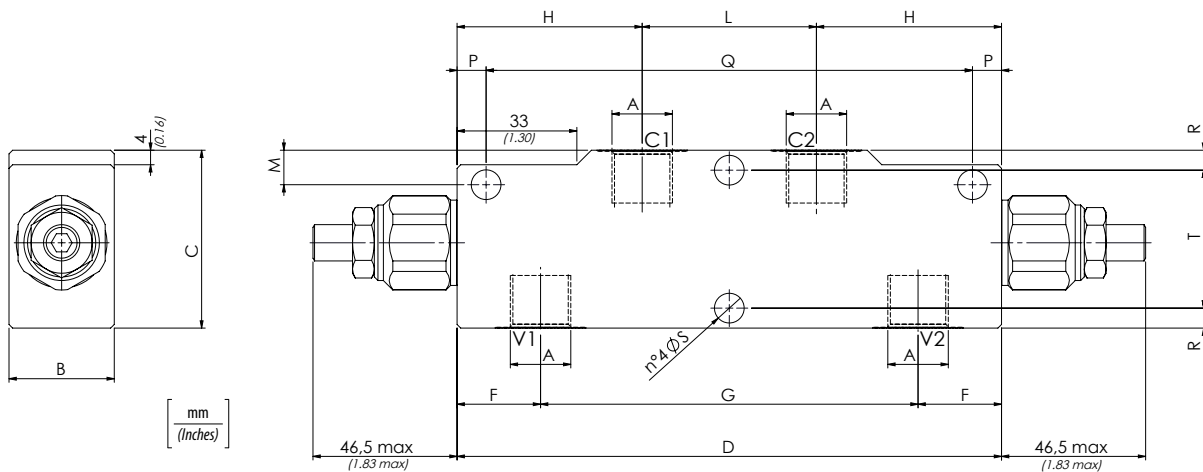
01	02	03	04	05
VBCD				

01	Dual counterbalance valves for open center				VBCD
02	Size	BSPP 1/4		140	
		BSPP 3/8		380	
		BSPP 1/2		120	
03	Spring 30/210 bar (435/3045 PSI)	Rp 1:4.25	Press. increase 78 bar/al giro (1131 PSI/turn)	Std. setting Q=5 l/min 200 bar (2900 PSI)	1
		Rp 1:8.75	Press. increase 160 bar/al giro (2320 PSI/turn)		
	Spring 60/350 bar (870/5075 PSI)	Rp 1:4.25	Press. increase 135 bar/al giro (1958 PSI/turn)	Std. setting Q=5 l/min 350 bar (5075 PSI)	2
		Rp 1:8.75	Press. increase 160 bar/al giro (2320 PSI/turn)		
04	Material	Steel body + zinc-plated			S
		Steel body + zinc-nickel			K
05	Pilot ratio	1:4.25 Standard			/
		1:8.75			8

Technical data

Mineral oil	ISO 6743/4 (DIN 51524)		
Oil viscosity	15-250 mm²/s (15 to 250 cSt)		
Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Oil temperature	-20°C +80°C	-4°F + 176°F	
Ambient temperature	-20°C +50°C	-4°F + 122°F	

It is necessary a filter use to protect the valve (advised filtration 15 µm)


Technical characteristics

Type	A	Max flow l/min-USgpm	Max pressure bar/PSI	B	C	D	F	G	H	L	M	P	Q	R	S	T	Approx weight kg/lb		
VBCD140	BSPP 1/4	30 (7.9)	350 (5075)	29 (1.14)	49 (1.93)	150 (5.91)	23 (0.91)	104 (4.09)	51 (2.01)	48 (1.89)	10 (0.39)	8 (0.31)	134 (5.28)	5,5 (0.22)	8,2 (0.32)	38 (1.50)	1,57 (3,46)		
VBCD380	BSPP 3/8	40 (10.6)					21 (0.83)	108 (4.25)			12 (0.47)							43 (1.69)	1,78 (3.92)
VBCD120	BSPP 1/2	60 (15.9)					21 (0.83)	108 (4.25)			12 (0.47)							43 (1.69)	