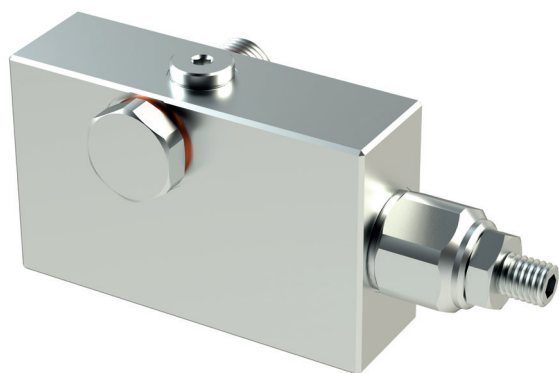
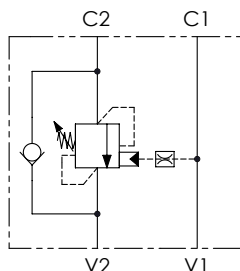


VBCB VALVOLE DI BILANCIAMENTO SINGOLE A BULLONE PER CENTRO APERTO

BOLT-FITTING SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT

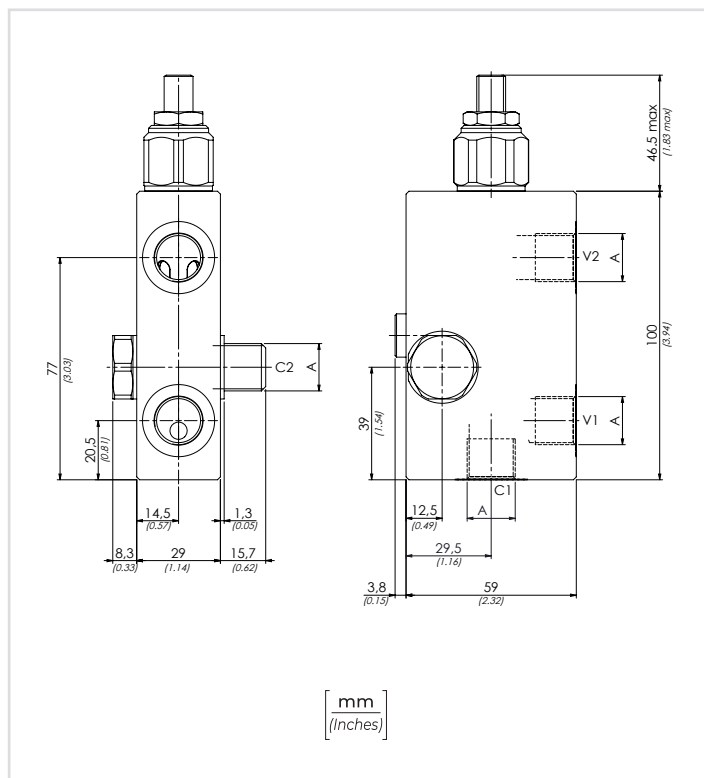
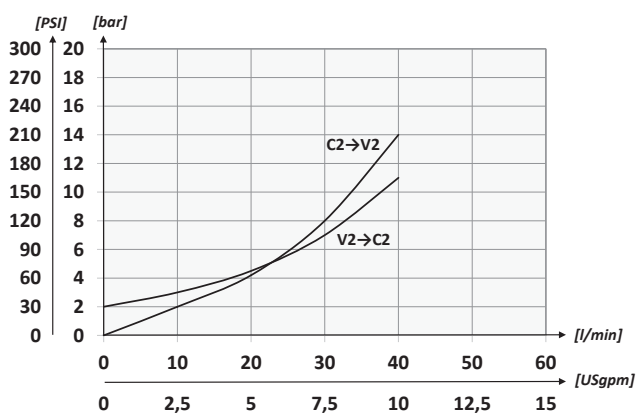


CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VBCB	380			

01	VALVOLE DI BILANCIAMENTO SINGOLE A BULLONE PER CENTRO APERTO (BOLT-FITTING SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER)				VBCB
02	DIMENSIONE (SIZE)	BSPP 3/8			380
03	MOLLA (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting) Q=5 l/min 200 bar (2900 PSI)	1
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)		
	MOLLA (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting) Q=5 l/min 350 bar (5075 PSI)	2
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)		
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)			S
		Acciaio + zinco-nichel (Steel + zinc-nickel)			K
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	1:4.25 Standard			/
		1:8.75			8

PERFORMANCES

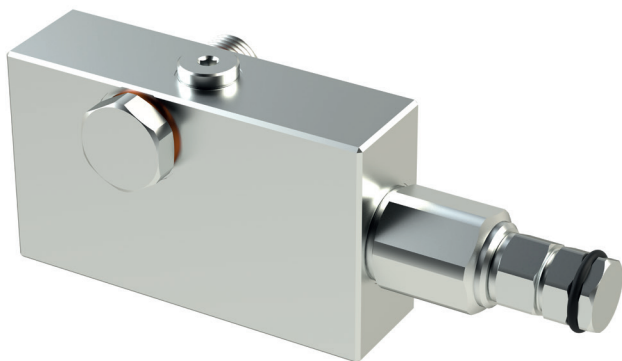


DATI TECNICI / TECHNICAL DATA

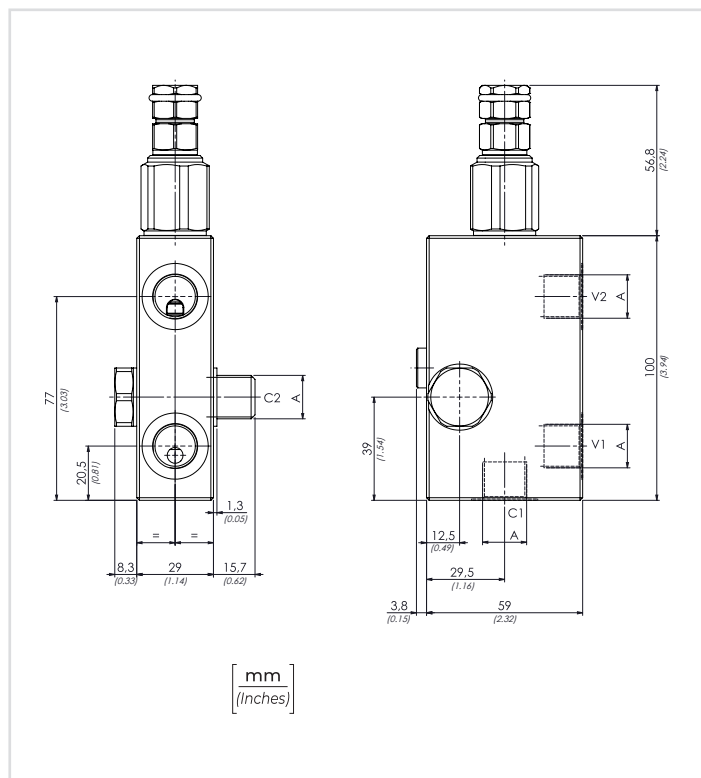
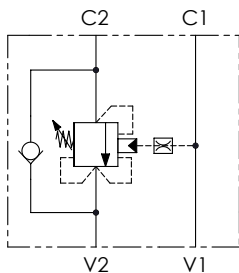
Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C +80°C	-4°F +176°F	
Temperatura ambiente - Environment temperature	-20°C +50°C	-4°F +122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX APPROX WEIGHT kg-lbt
VBCB380	BSPP 3/8	40 (10.6)	350 (5075)	1,24 (2.73)



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



DATI TECNICI / TECHNICAL DATA

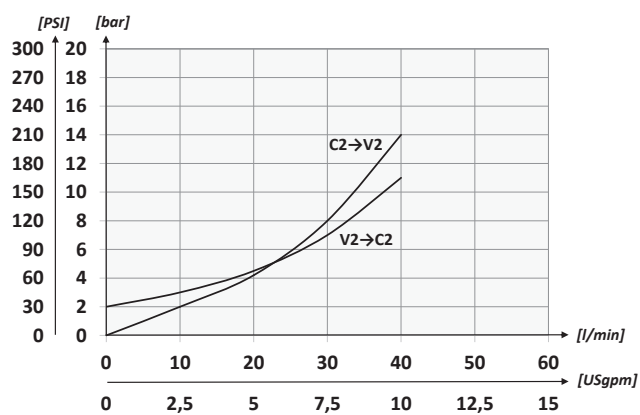
Olivo idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C +80°C	-4°F +176°F	
Temperatura ambiente - Environment temperature	-20°C +50°C	-4°F +122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VCCB	380		S	

01	VALVOLE DI BILANCIAMENTO SINGOLE A BULLONE PER CENTRO CHIUSO (BOLT-FITTING SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER)			VBCB
02	DIMENSIONE (SIZE)	BSPP 3/8		380
03	MOLLA (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	1
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	
03	MOLLA (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	2
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)		S
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	1:4.25 Standard		/
		1:8.75		8

PERFORMANCES



CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX APPROX WEIGHT kg-lbt
VCCB380	BSPP 3/8	40 (10.6)	350 (5075)	1,24 (2.73)

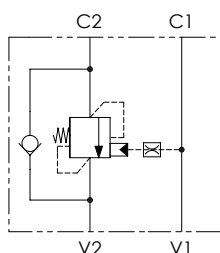


CODICE ORDINAZIONE ORDERING CODE

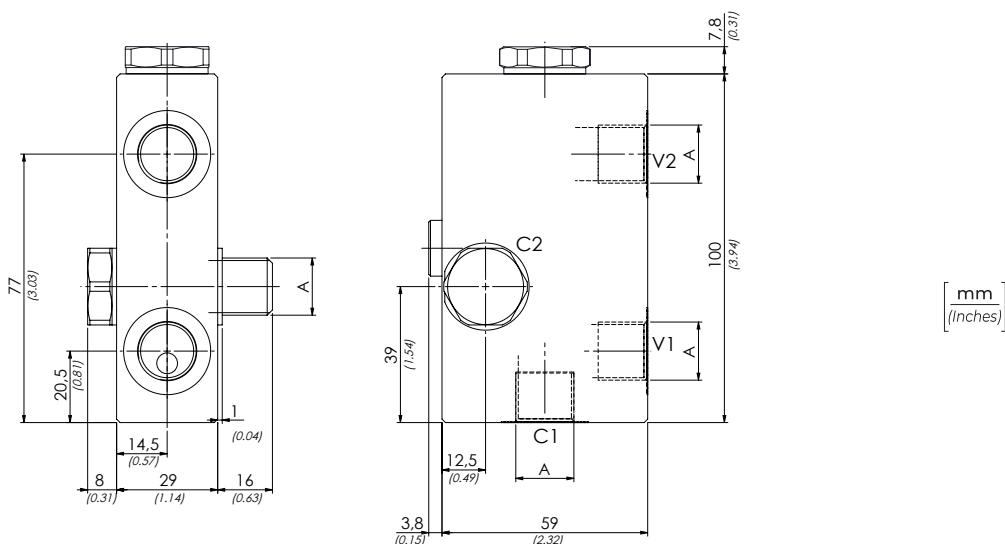
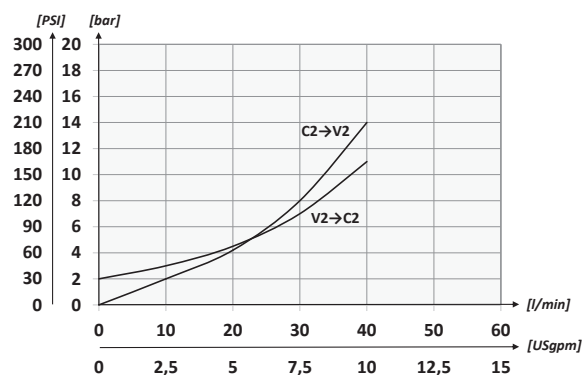
01	02	03	04
VBZB	380	2	

01	VALVOLE DI BILANCIAMENTO A BULLONE SINGOLE PER CENTRO APERTO A TARATURA FISSA (BOLT-FITTING SINGLE COUNTERBALANCE VALVES FIXED SETTING FOR OPEN CENTER)		VBZB
02	DIMENSIONE (SIZE)	BSPP 3/8	380
03	TARATURA (SETTING)	Q=5 l/min 350 bar (5075 PSI)	2
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)	S
		Acciaio + zinco-nichel (Steel + zinc-nickel)	K
RAPPORTO DI PILOTAGGIO (PILOT RATIO) 1:4.25			

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



DATI TECNICI / TECHNICAL DATA

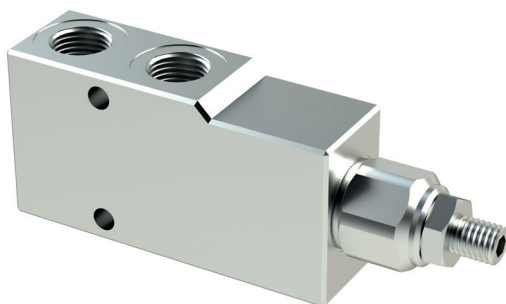
Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

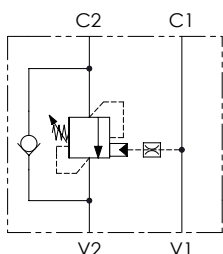
TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX APPROX WEIGHT kg-lbt
VBZB380	BSPP 3/8	40 (10.6)	350 (5075)	1,24 (2,73)

VBCL VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO

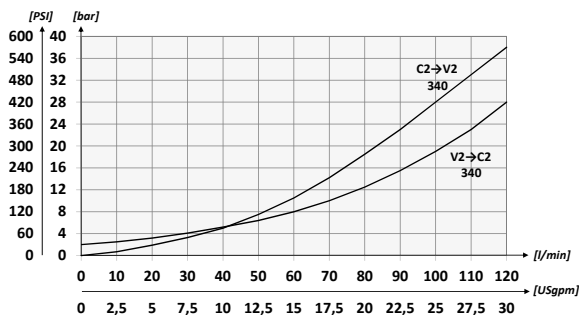
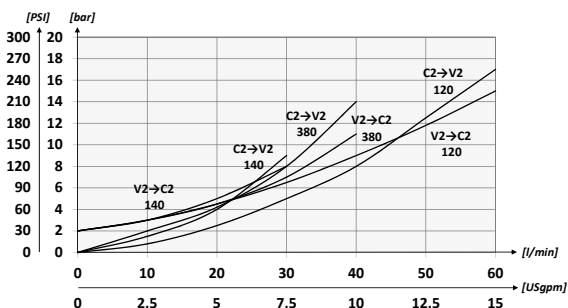
SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



CODICE ORDINAZIONE

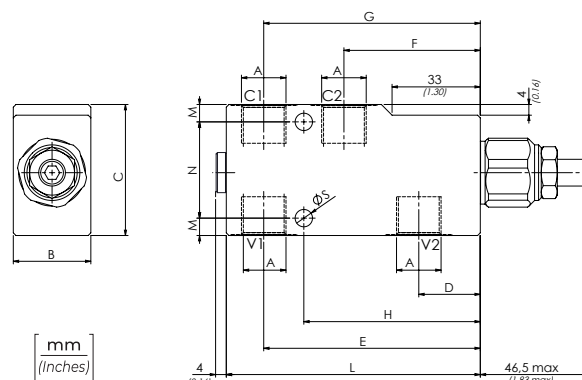
ORDERING CODE

01	02	03	04	05
VBCL				

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER)					VBCL
02	DIMENSIONE (SIZE)	BSPP 1/4				140
		BSPP 3/8				380
		BSPP 1/2				120
		BSPP 3/4				340
03	MOLLA (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)		Taratura standard (Std. setting)	1
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)		Q=5 l/min 200 bar (2900 PSI)	
	MOLLA (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	140	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting)	2
		Rp 1:8.75	120	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
	MOLLA (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:6.2	340	143 bar/al giro (2074 PSI/turn)	Taratura standard (Std. setting)	
		Rp 1:10.6		242bar/al giro (3509 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel body + zinc-plating)				S
		Acciaio + zinco-nichel (Steel body + zinc-nickel)				K
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	140	1:4.25 Standard			/
		380	1:8.75			8
		120	1:6.2			/
		340	1:10,6			11

DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

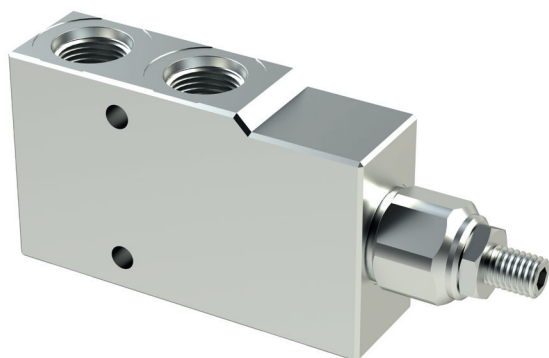


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

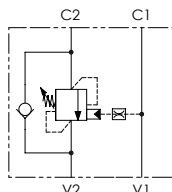
TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	M	N	S	PESO APPROX (kg) APPROX WEIGHT (lb)
VBCL140	BSPP 1/4	30 (7.9)	350 (5075)	29 (1.14)	49 (1.93)	23 (0.91)	81 (3.19)	51 (2.01)	81 (3.19)	66 (2.60)	95 (3.74)	6,5 (0.26)	36 (1.42)	6,5 (0.26)	0,98 (2.16)
VBCL380	BSPP 3/8	40 (10.6)			59 (2.32)	21 (0.83)	84 (3.30)		84 (3.31)	67,5 (2.66)	100 (3.94)	9,5 (0.37)	40 (1.57)		0,92 (2.02)
VBCL120	BSPP 1/2	60 (15.9)			39 (1.54)	69 (2.72)	20 (0.79)	120 (4.72)	72 (2.83)	96 (3.78)	140 (5.51)	10,5 (0.41)	50 (1.97)		1,09 (2.40)
VBCL340	BSPP 3/4	120 (31.7)													2,54 (5.59)

VBCL-SAE

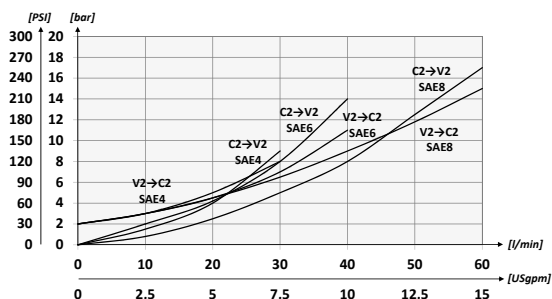
VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO
SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



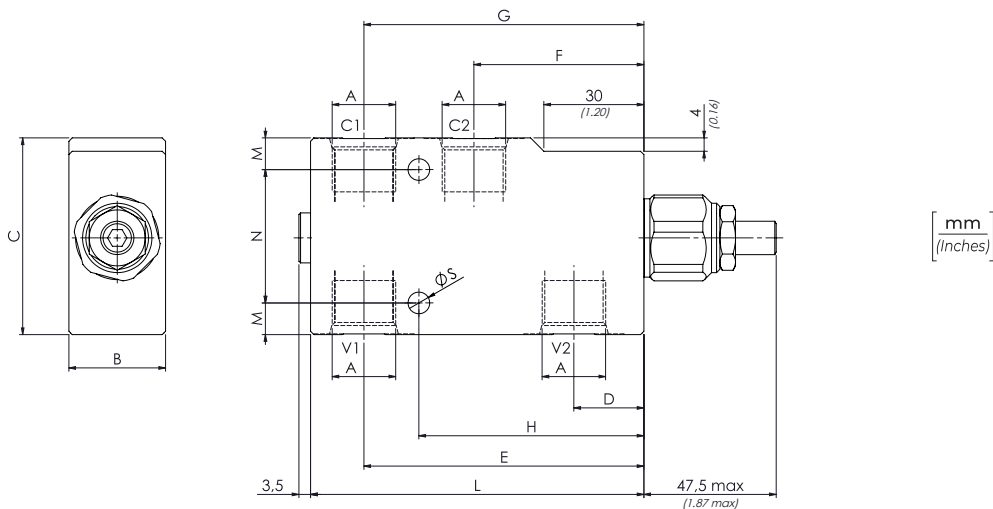
CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VBCL				

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER				VBCL
02	DIMENSIONE (SIZE)		7/16-20UNF		4
			9/16-18UNF		6
			3/4-16UNF		8
03	MOLLA (SPRING)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting)	1
	30/210 bar (435/3045 PSI)	Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 200 bar (2900 PSI)	
	MOLLA (SPRING)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting)	2
	60/350 bar (870/5075 PSI)	Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)			S
		Acciaio + zinco-nichel (Steel + zinc-nichel)			K
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)			1:4.25 Standard	/
				1:8.75	8

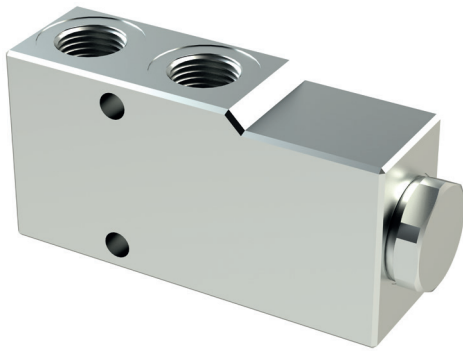
DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C	+80°C	-4°F +176°F
Temperatura ambiente - Environment temperature	-20°C	+50°C	-4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

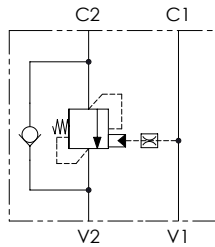


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	M	N	S	PESO APPROX APPROXWEIGHT kg-lbt
VBCL4	7/16-20UNF	30 (7.9)	350 (5075)	29 (1.14)	49 (1.93)	23 (0.91)	81 (3.19)	51 (2.01)	81 (3.19)	66 (2.60)	95 (3.74)	6,5 (0.26)	36 (1.42)	6,5 (0.26)	1 (2.20)
VBCL6	9/16-18UNF	40 (10.6)			59 (2.32)	21 (0.83)	84 (3.31)		84 (3.31)	67,5 (2.66)	100 (3.94)	9,5 (0.37)	40 (1.57)		0,97 (2.14)
VBCL8	3/4-16UNF	60 (15.9)													1,16 (2.56)



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



DATI TECNICI / TECHNICAL DATA

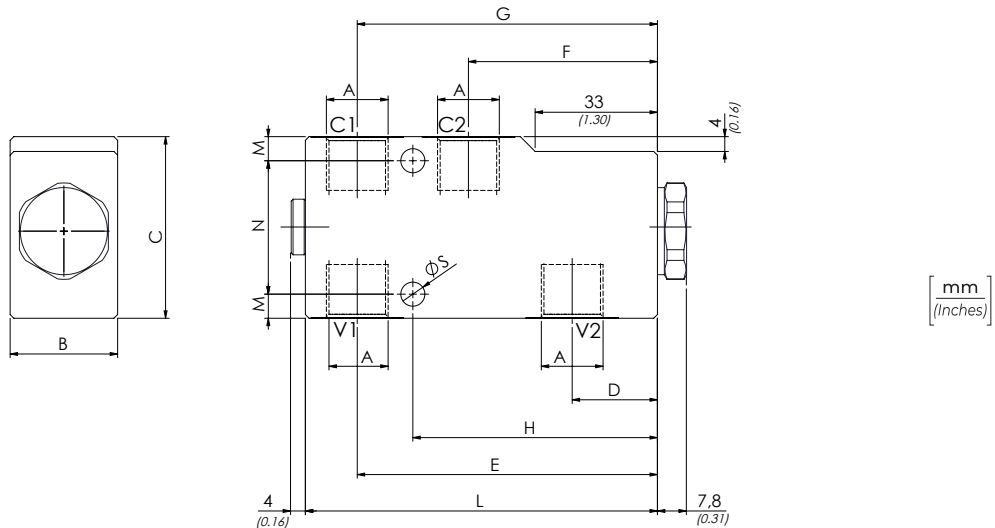
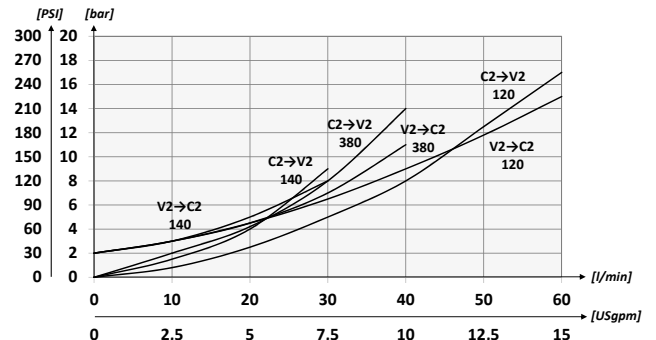
Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C +80°C	-4°F +176°F	
Temperatura ambiente - Environment temperature	-20°C +50°C	-4°F +122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

CODICE ORDINAZIONE ORDERING CODE

01	02	03	04
VBZL		2	

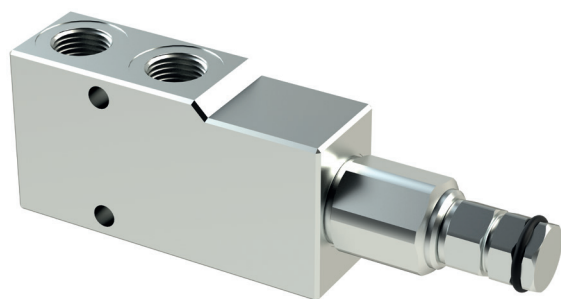
01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO A TARATURA FISSA (SINGLE COUNTERBALANCE VALVES FIXED SETTING FOR OPEN CENTER)		VBZL
02	DIMENSIONE (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
05	Taratura (Setting) Q=5 l/min 350 bar (5075 PSI)		2
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)	S
		Acciaio + zinco-nichel (Steel + zinc-nickel)	K
Rapporto di pilotaggio (Pilot ratio) 1:4.25			

PERFORMANCES

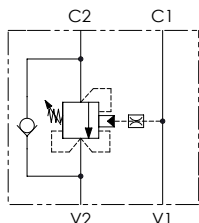


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

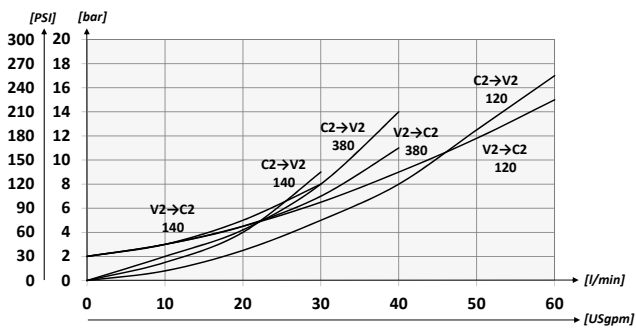
TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	M	N	S	PESO APPROX (kg) APPROX WEIGHT (lbt)
VBZL140	BSPP 1/4	30 (7.9)	350 (5075)	29 (1.14)	49 (1.93)	23 (0.91)	81 (3.19)	51 (2.01)	81 (3.19)	66 (2.60)	95 (3.74)	6,5 (0.26)	36 (1.42)	6,5 (0.26)	0,91 (2.00)
VBZL380	BSPP 3/8	40 (10.6)			59 (2.32)	21 (0.83)	84 (3.30)		84 (3.31)	67,5 (2.66)	100 (3.94)	9,5 (0.37)	40 (1.57)		0,85 (1.87)
VBZL120	BSPP 1/2	60 (15.9)													1,02 (2.24)



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



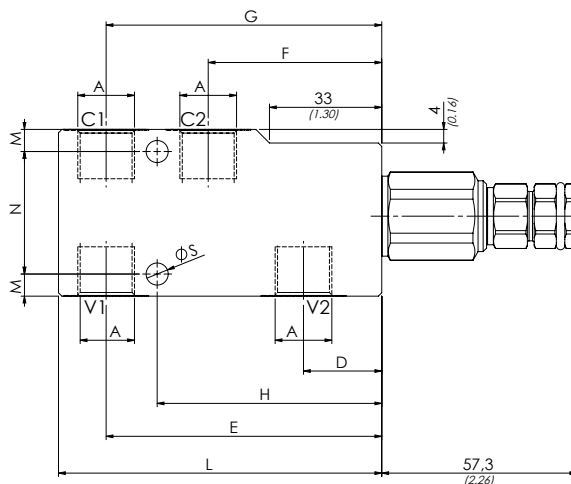
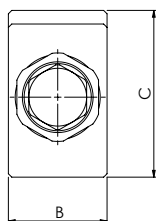
CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VCCL			S	

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO CHIUSO (SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER)			VCCL	
02	DIMENSIONE (SIZE)		BSPP 1/4	140	
			BSPP 3/8	380	
			BSPP 1/2	120	
03	MOLLA (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting) Q=5 l/min 200 bar (2900 PSI)	1
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)		
	MOLLA (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting) Q=5 l/min 350 bar (5075 PSI)	2
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)		
04	MATERIALE (MATERIAL)		Acciaio + zincatura (Steel + zinc-plating)		S
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)		1:4.25 Standard		/
			1:8.75		8

DATI TECNICI / TECHNICAL DATA

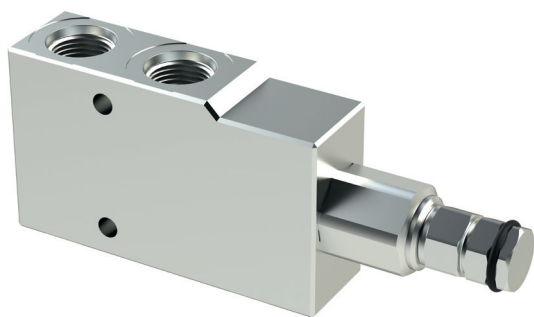
Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	



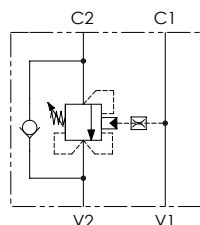
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CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

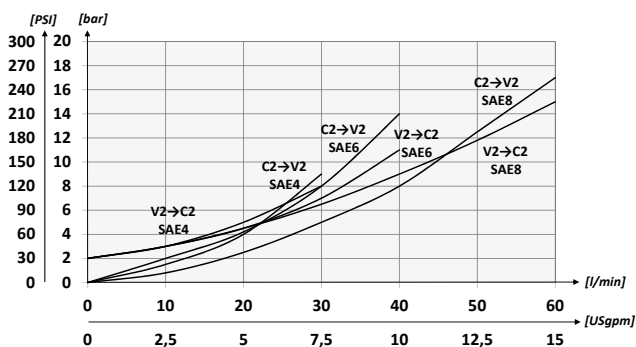
TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	M	N	S	PESO APPROX APPROX WEIGHT kg-lbt
VCCL140	BSPP 1/4	30 (7.9)	350 (5075)	29 (1.14)	49 (1.93)	23 (0.91)	81 (3.19)	51 (2.01)	81 (3.19)	66 (2.60)	95 (3.74)	6,5 (0.26)	36 (1.42)	6,5 (0.26)	1,02 (2.24)
VCCL380	BSPP 3/8	40 (10.6)			59 (2.32)	21 (0.83)	84 (3.30)		84 (3.31)	67,5 (2.66)	100 (3.94)	9,5 (0.37)	40 (1.57)		0,98 (2.16)
VCCL120	BSPP 1/2	60 (15.9)													1,15 (2.53)



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



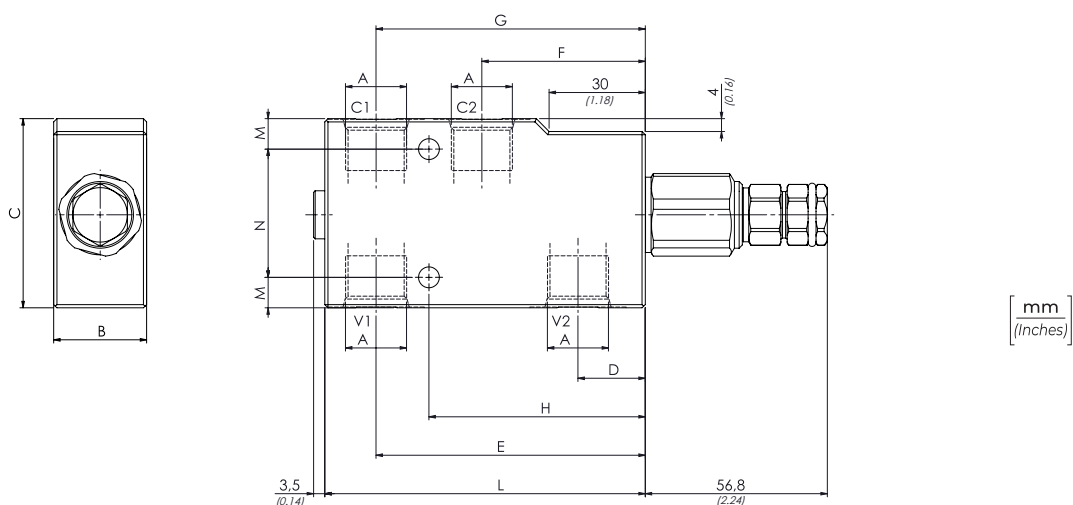
PERFORMANCES



	01	02	03	04	05
CODICE ORDINAZIONE ORDERING CODE	VCCL			S	
01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO CHIUSO (SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER)				VCCL
02	DIMENSIONE (SIZE)	7/16-20UNF			4
		9/16-18UNF			6
		3/4-16UNF			8
	MOLLA (SPRING)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting)	1
	30/210 bar (435/3045 PSI)	Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 200 bar (2900 PSI)	
03	MOLLA (SPRING)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting)	2
	60/350 bar (870/5075 PSI)	Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)			S
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	1:4.25 Standard			/
		1:8.75			8

DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C	+80°C	-4°F +176°F
Temperatura ambiente - Environment temperature	-20°C	+50°C	-4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			



CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

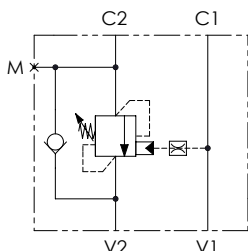
TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	M	N	S	PESO APPROX APPROX WEIGHT kg-lbt
VCCL4	7/16-20UNF	30 (7.9)	350 (5075)	29 (1.14)	49 (1.93)	23 (0.91)	81 (3.19)	51 (2.01)	81 (3.19)	66 (2.60)	95 (3.74)	6,5 (0.26)	36 (1.42)	6,5 (0.26)	1,02 (2.24)
VCCL6	9/16-18UNF	40 (10.6)			59 (2.32)	21 (0.83)	84 (3.30)		84 (3.31)	67,5 (2.66)	100 (3.94)	9,5 (0.37)	40 (1.57)		0,98 (2.16)
VCCL8	3/4-16UNF	60 (15.9)													1,15 (2.53)

VBLP VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO

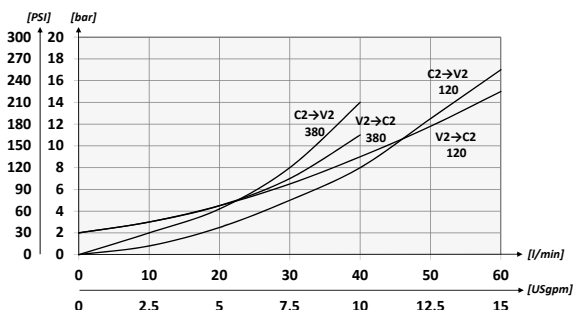
SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



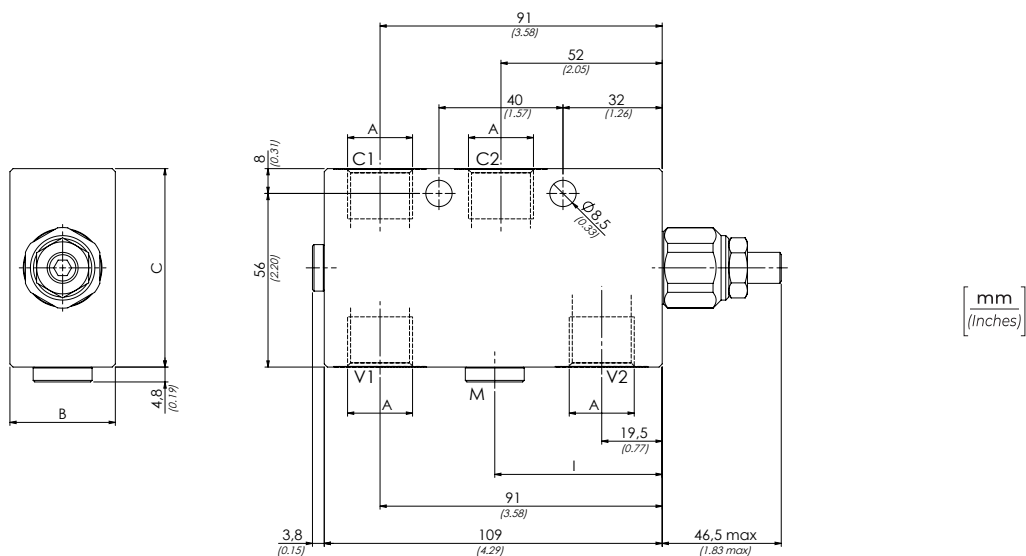
CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VBLP				

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER)			VBLP
02	DIMENSIONE (SIZE)	BSPP 3/8		380
		BSPP 1/2		120
03	MOLLA 30/210 BAR (SPRING 435/3045 PSI)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	1
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	
	MOLLA 60/350 BAR (SPRING 870/5075 PSI)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	2
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)		S
		Acciaio + zinco-nichel (Steel + zinc-nickel)		K
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	1:4.25 Standard		/
		1:8.75		8

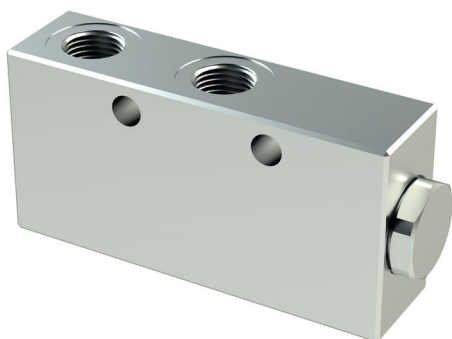
DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

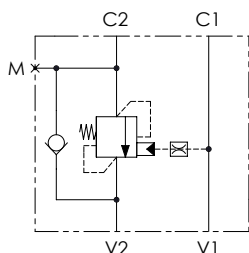


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	B	C	I	M	PESO APPROX (kg) APPROX WEIGHT (lb)
VBLP380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	/	/	1,21 (2.63)
VBLP120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)	54 (2.13)	BSPP 1/4	1,59 (3.46)



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



DATI TECNICI / TECHNICAL DATA

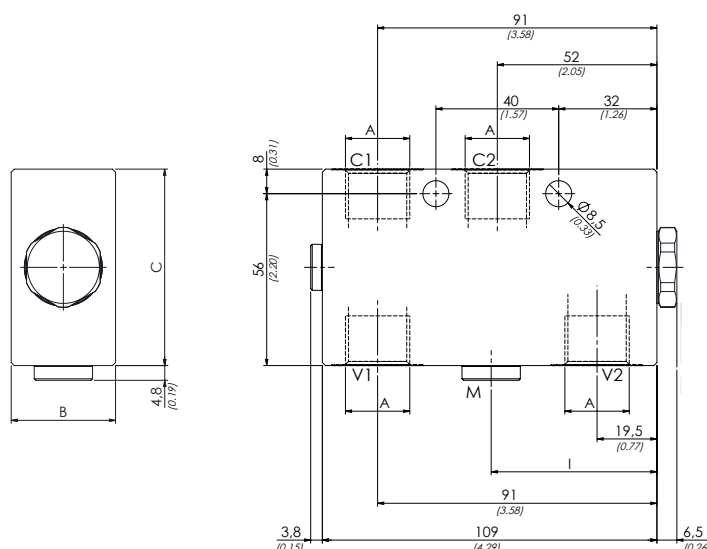
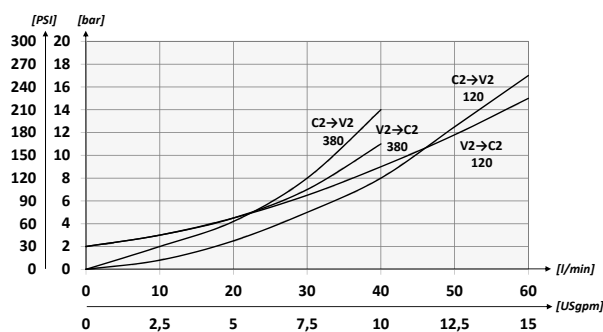
Olivo idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C	+80°C	-4°F + 176°F
Temperatura ambiente - Environment temperature	-20°C	+50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

CODICE ORDINAZIONE ORDERING CODE

01	02	03	04
VBZP		2	

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO A TARATURA FISSA (SINGLE COUNTERBALANCE VALVES FIXED SETTING FOR OPEN CENTER)		VBZP
02	DIMENSIONE (SIZE)	BSPP 3/8	380
		BSPP 1/2	120
03	Taratura (Setting) Q=5 l/min 350 bar (5075 PSI)		2
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)	S
		Acciaio + zinco-nichel (Steel + zinc-nickel)	K
Rapporto di pilotaggio (Pilot ratio) 1:4.25			

PERFORMANCES



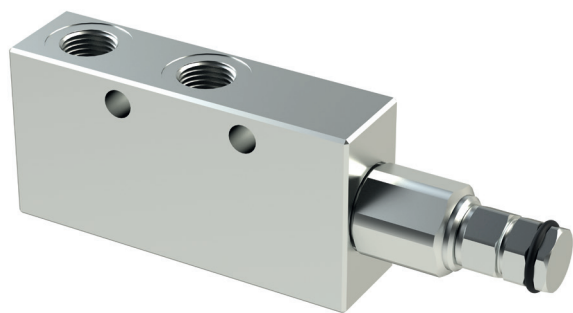
CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	B	C	I	M	PESO APPROX (kg) APPROX WEIGHT (lb)
VBZP380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	/	/	1,14 (2.50)
VBZP120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)	54 (2.13)	BSPP 1/4	1,52 (3.34)

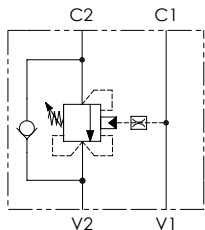
VCLP

VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO CHIUSO

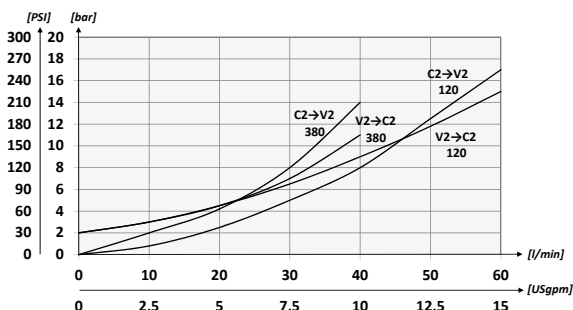
SINGLE COUNTERBALANCE VALVES FOR CLOSSED CENTER



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



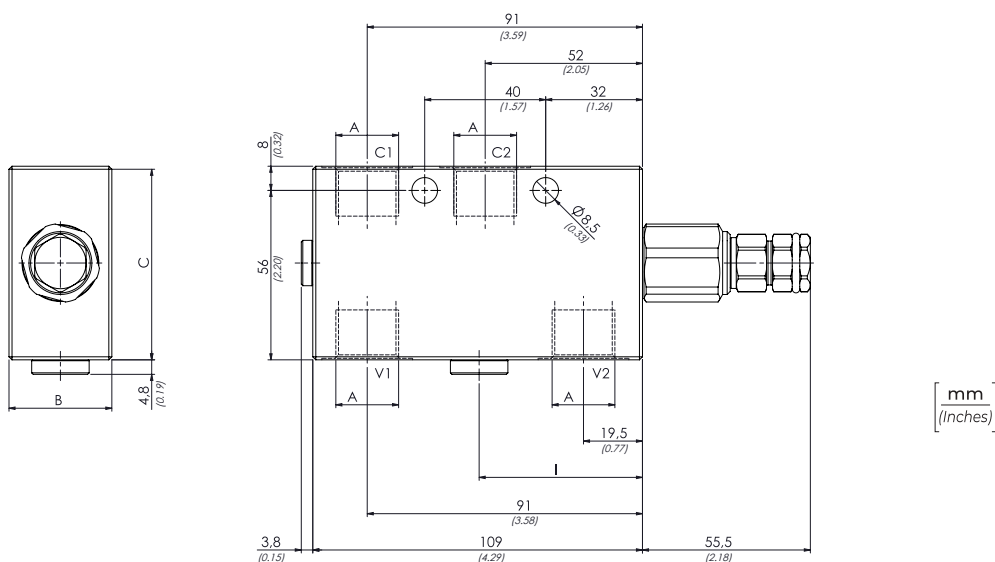
CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VCLP			S	

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO CHIUSO (SINGLE COUNTERBALANCE VALVES FOR CLSOD CENTER)				VCLP
02	DIMENSIONE (SIZE)		BSPP 3/8		380
			BSPP 1/2		120
03	MOLLA 30/210 BAR (SPRING 435/3045 PSI)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting)	1
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 200 bar (2900 PSI)	
	MOLLA 60/350 BAR (SPRING 870/5075 PSI)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting)	2
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
04	MATERIALE (MATERIAL)		Acciaio + zincatura (Steel + zinc-plating)		S
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)		1:4.25 Standard		/
			1:8.75		8

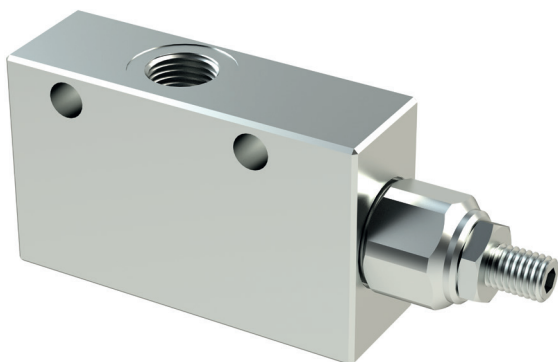
DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

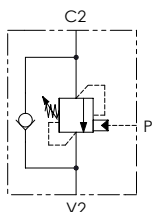


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

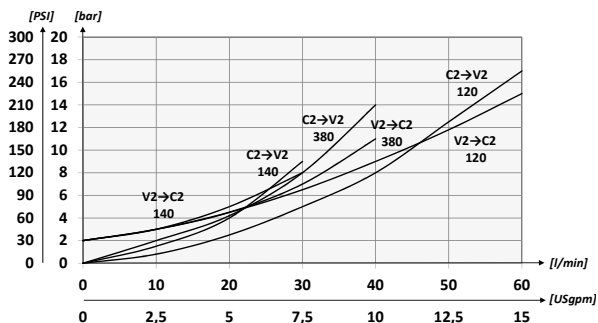
TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	B	C	I	M	PESO APPROX (kg) APPROX WEIGHT (lb)
VCLP380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	/	/	1,21 (2.63)
VCLP120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)	54 (2.13)	BSPP 1/4	1,59 (3.46)



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



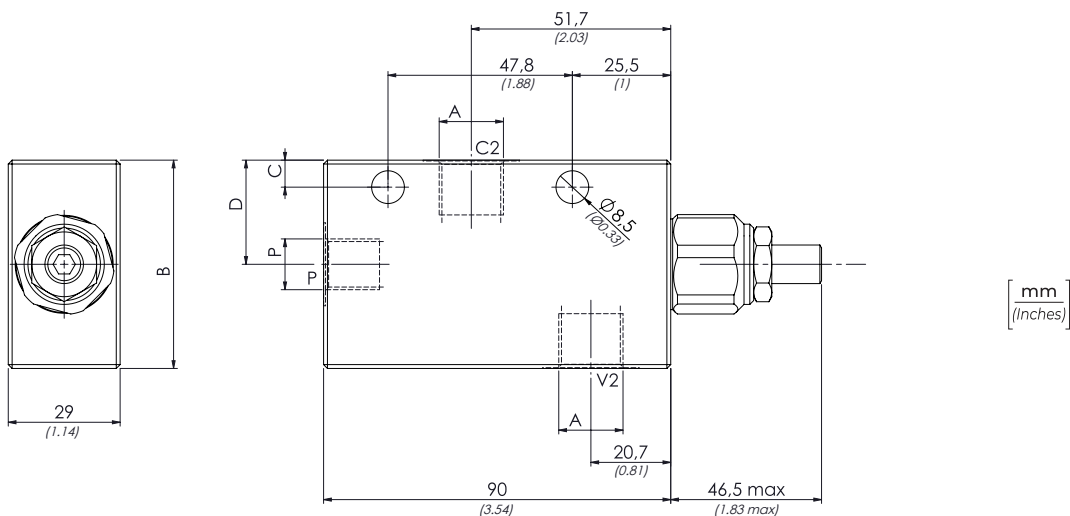
CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VBCR				

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO - PILOTAGGIO ESTERNO SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER - EXTERNAL PILOT				VBCR
02	DIMENSIONE (SIZE)		BSPP 1/4		140
			BSPP 3/8		380
			BSPP 1/2		120
03	MOLLA 30/210 BAR (SPRING 435/3045 PSI)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting) Q=5 l/min 200 bar (2900 PSI)	1
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)		
	MOLLA 60/350 BAR (SPRING 870/5075 PSI)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting) Q=5 l/min 350 bar (5075 PSI)	2
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)		
04	MATERIALE (MATERIAL)		Acciaio + zincatura (Steel body + zinc-plating)		S
			Acciaio + zinco-nichel (Steel body + zinc-nickel)		K
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)		1:4.25 Standard		/
			1:8.75		8

DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

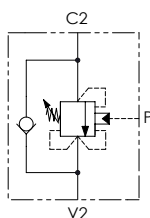


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

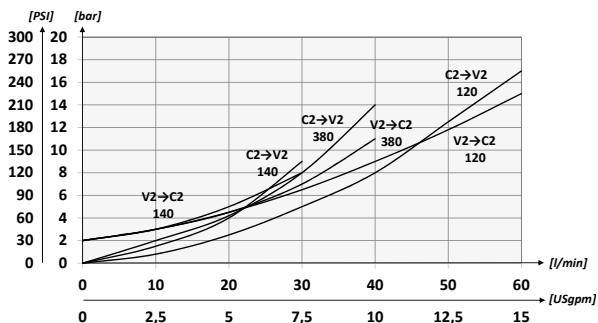
TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	B	C	D	A	P	PESO APPROX (kg) APPROX WEIGHT (lbt)
VBCR140	BSPP 1/4	30 (7.9)	350 (5075)	54 (2.13)	7 (0.28)	27 (1.06)	BSPP 1/4	BSPP 1/4	1,06 (2.33)
VBCR380	BSPP 3/8	40 (10.6)					BSPP 3/8		1,21 (2.63)
VBCR120	BSPP 1/2	60 (15.9)		64 (2.52)	11 (0.43)	32 (1.26)	BSPP 1/2		1,59 (3.46)



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



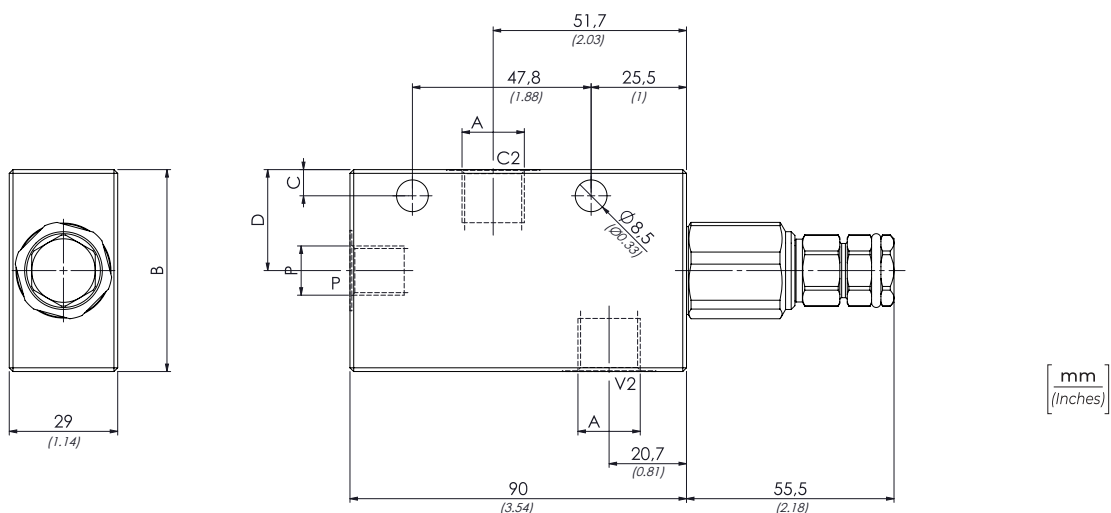
CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VCCR			S	

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO CHIUSO - PILOTAGGIO ESTERNO SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER - EXTERNAL PILOT				VCCR
02	DIMENSIONE (SIZE)		BSPP 1/4		140
			BSPP 3/8		380
			BSPP 1/2		120
03	MOLLA 30/210 BAR (SPRING 435/3045 PSI)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting) Q=5 l/min 200 bar (2900 PSI)	1
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)		
	MOLLA 60/350 BAR (SPRING 870/5075 PSI)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting) Q=5 l/min 350 bar (5075 PSI)	2
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)		
04	MATERIALE (MATERIAL)		Acciaio + zincatura (Steel body + zinc-plating)		S
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)		1:4.25 Standard		/
			1:8.75		8

DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

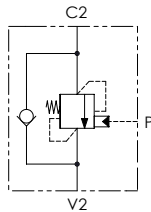


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

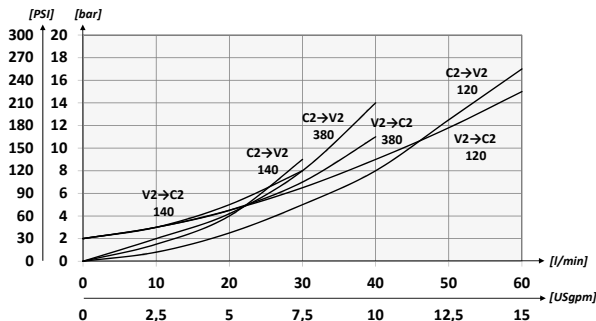
TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	B	C	D	A	P	PESO APPROX (kg) APPROX WEIGHT (lbt)
VCCR140	BSPP 1/4	30 (7.9)	350 (5075)	54 (2.13)	7 (0.28)	27 (1.06)	BSPP 1/4	BSPP 1/4	1,06 (2.33)
VCCR380	BSPP 3/8	40 (10.6)					BSPP 3/8		1,21 (2.63)
VCCR120	BSPP 1/2	60 (15.9)					BSPP 1/2		1,59 (3.46)



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT

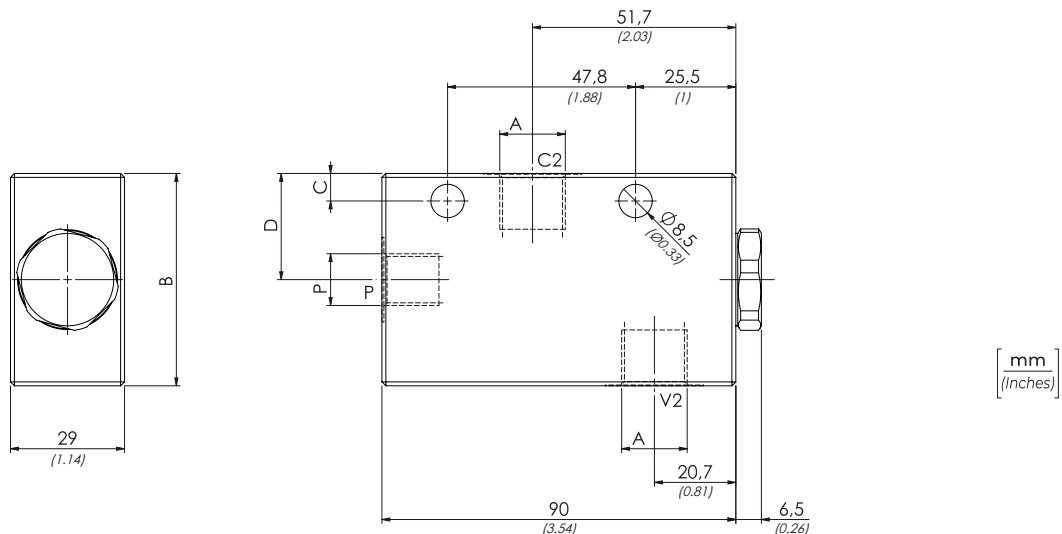


PERFORMANCES



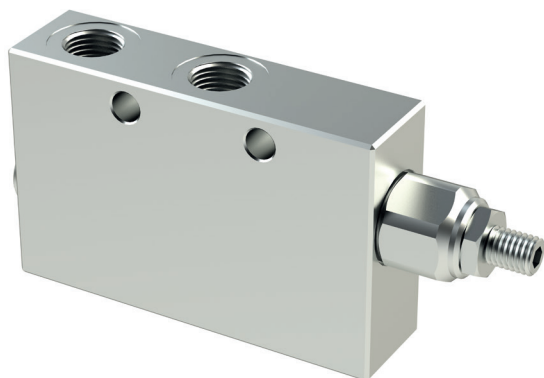
DATI TECNICI / TECHNICAL DATA

Olío idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C +80°C	-4°F	+176°F
Temperatura ambiente - Environment temperature	-20°C +50°C	-4°F	+122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

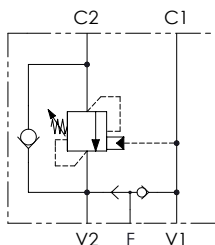


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

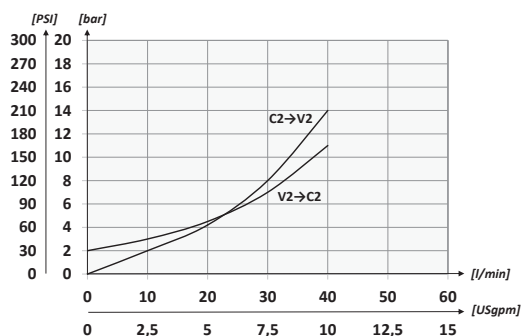
TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	B	C	D	A	P	PESO APPROX (kg) APPROX WEIGHT (lbt)
VBZR140	BSPP 1/4	30 (7.9)	350 (5075)	54 (2.13)	7 (0.28)	27 (1.06)	BSPP 1/4	BSPP 1/4	1,06 (2.33)
VBZR380	BSPP 3/8	40 (10.6)		64 (2.52)	11 (0.43)	32 (1.26)	BSPP 3/8		1,21 (2.63)
VBZR120	BSPP 1/2	60 (15.9)					BSPP 1/2		1,59 (3.46)



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



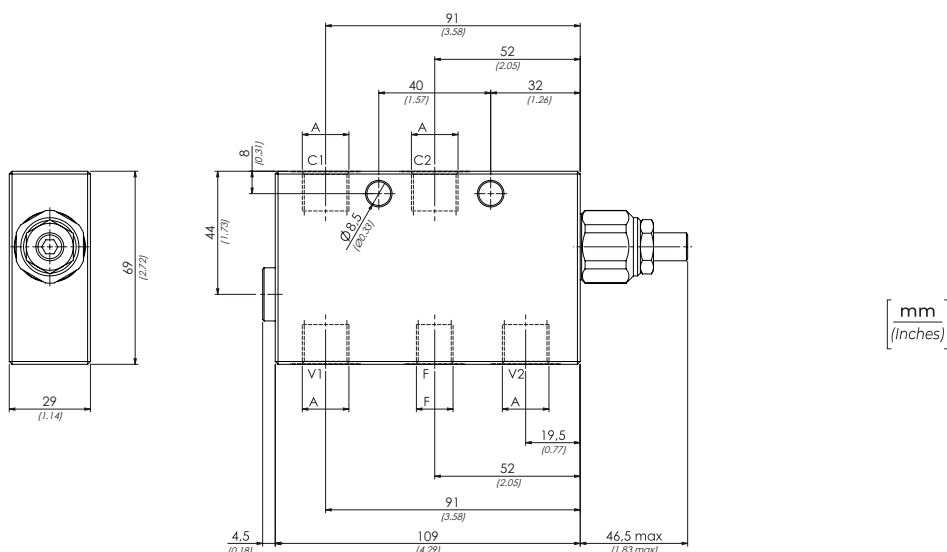
CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VBFP	380			

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO CON SBLOCCA FRENO (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER WITH BRAKE UN-LOCKING)			VBFP
02	DIMENSIONE (SIZE)		BSPP 3/8	380
03	MOLLA 30/210 BAR (SPRING 435/3045 PSI)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	1
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	
03	MOLLA 60/350 BAR (SPRING 870/5075 PSI)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	2
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)		S
		Acciaio + zinco-nichel (Steel + zinc-nickel)		K
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)		1:4.25 Standard	/

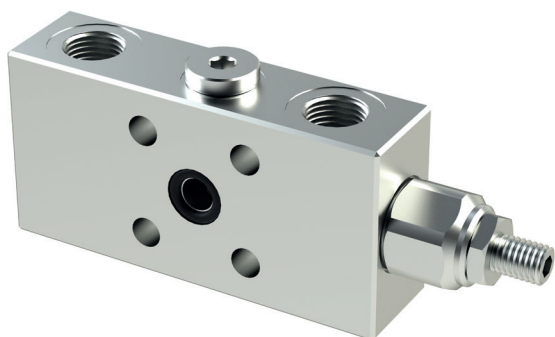
DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

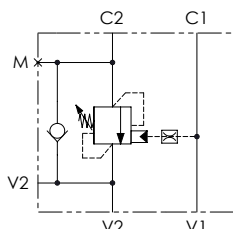


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

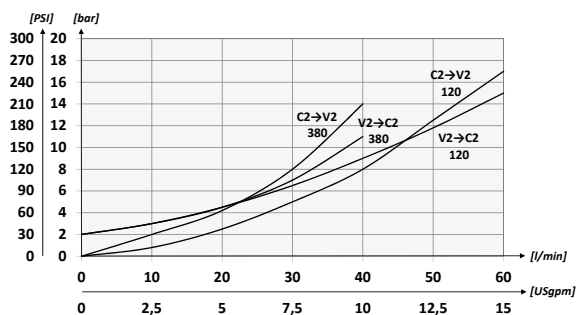
TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	A	F	PESO APPROX (kg) APPROX WEIGHT (lb)
VBFP380	BSPP 3/8	40 (10.6)	350 (5075)	BSPP 3/8	BSPP 1/4	1,51 (3.33)



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



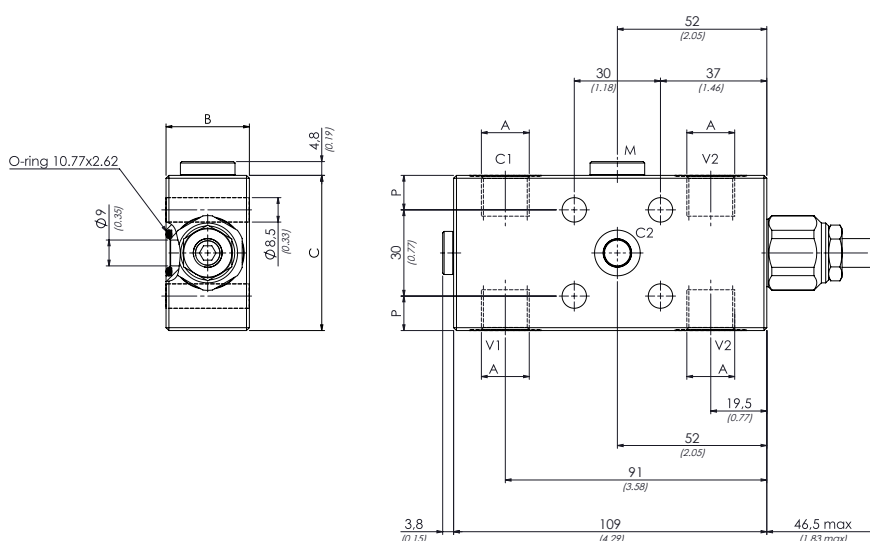
CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VBLH				

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO - FLANGIATE SINGOLE (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER - SINGLE FLANGED VERSION)				VBLH
02	DIMENSIONE (SIZE)	BSPP 3/8		380	
		BSPP 1/2		120	
03	MOLLA (SPRING)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting)	1
	30/210 bar (435/3045 PSI)	Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 200 bar (2900 PSI)	
03	MOLLA (SPRING)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting)	2
	60/350 bar (870/5075 PSI)	Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)			S
		Acciaio + zinco-nichel (Steel + zinc-nickel)			K
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)		1:4.25 Standard	/	
			1:8.75	8	

DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

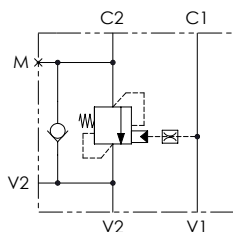


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	B	C	M	P	PESO APPROX (kg) APPROX WEIGHT (lbt)
VBLH380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	BSPP 1/4	12 (0.47)	1,18 (2.60)
VBLH120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)		17 (0.67)	1,57 (3.49)



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT

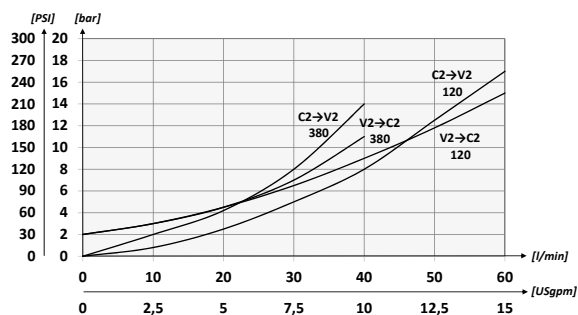


CODICE ORDINAZIONE ORDERING CODE

01	02	03	04
VBZH		2	

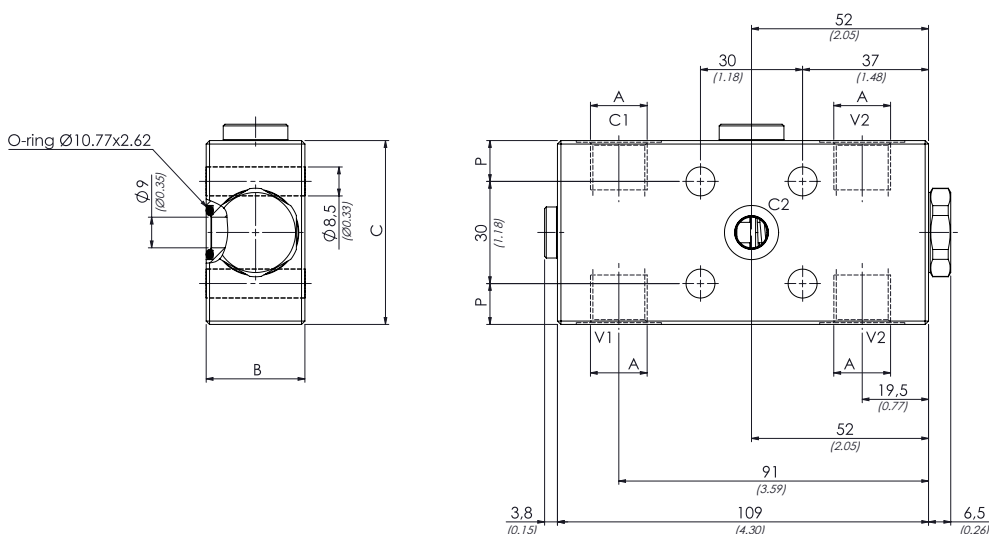
01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO - FLANGIATE SINGOLE A TARATURA FISSA (SINGLE COUNTERBALANCE VALVES FIXED SETTING FOR OPEN CENTER - SINGLE FLANGED VERSION)		VBZH
02	DIMENSIONE (SIZE)	BSPP 3/8	380
		BSPP 1/2	120
03	Taratura standard (Std. setting) Q=5 l/min 350 bar (5075 PSI)		2
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)	S
		Acciaio + zinco-nichel (Steel + zinc-nickel)	K
Rapporto di pilotaggio (Pilot ratio) 1:4.25			

PERFORMANCES



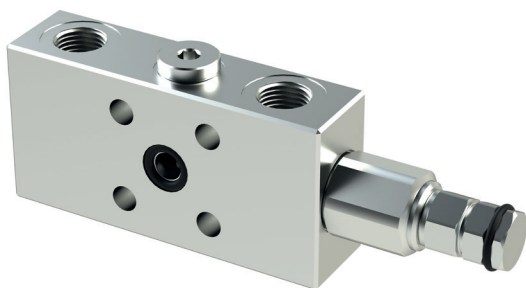
DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

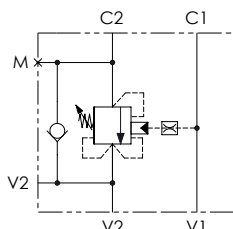
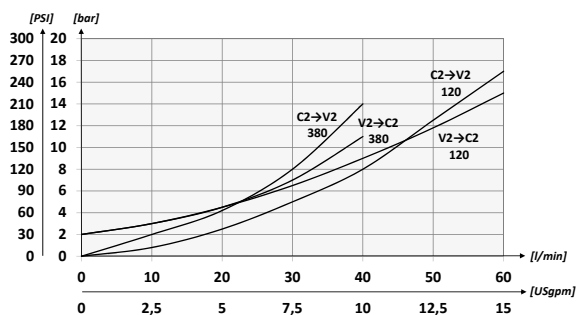


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	B	C	M	P	PESO APPROX (kg) APPROX WEIGHT (lbt)
VBZH380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	BSPP 1/4	12 (0.47)	1,11 (2.49)
VBZH120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)		17 (0.67)	1,55 (3.41)


CODICE ORDINAZIONE
ORDERING CODE

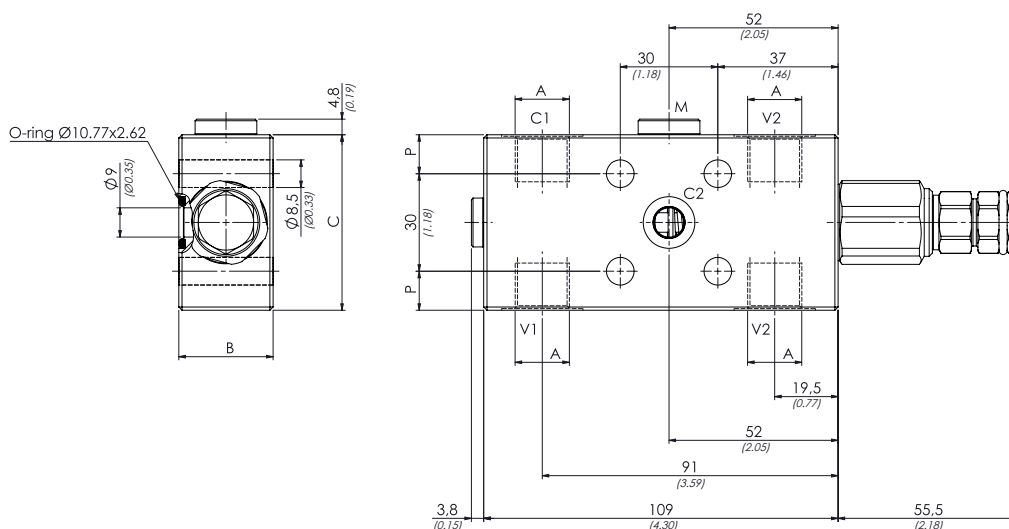
01	02	03	04	05
VCLH			S	

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT

PERFORMANCES


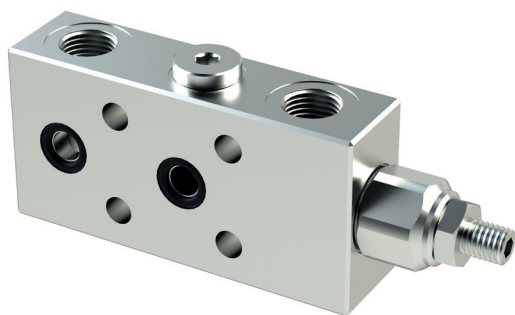
01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO CHIUSO - FLANGIATE SINGOLE (SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER - SINGLE FLANGED VERSION)				VCLH
02	DIMENSIONE (SIZE)		BSPP 3/8		380
			BSPP 1/2		120
03	MOLLA (SPRING)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting)	1
	30/210 bar (435/3045 PSI)	Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 200 bar (2900 PSI)	
	MOLLA (SPRING)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting)	2
	60/350 bar (870/5075 PSI)	Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)			S
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)			1:4.25 Standard	/
				1:8.75	8

DATI TECNICI / TECHNICAL DATA

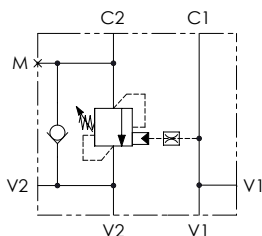
Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

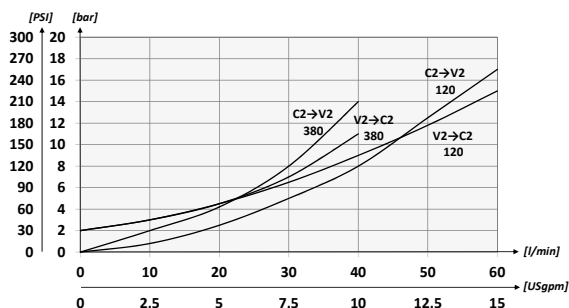
TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	B	C	M	P	PESO APPROX (kg) APPROX WEIGHT (lbt)
VCLH380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	BSPP 1/4	12 (0.47)	1,23 (2.85)
VCLH120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)		17 (0.67)	1,62 (3.61)



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



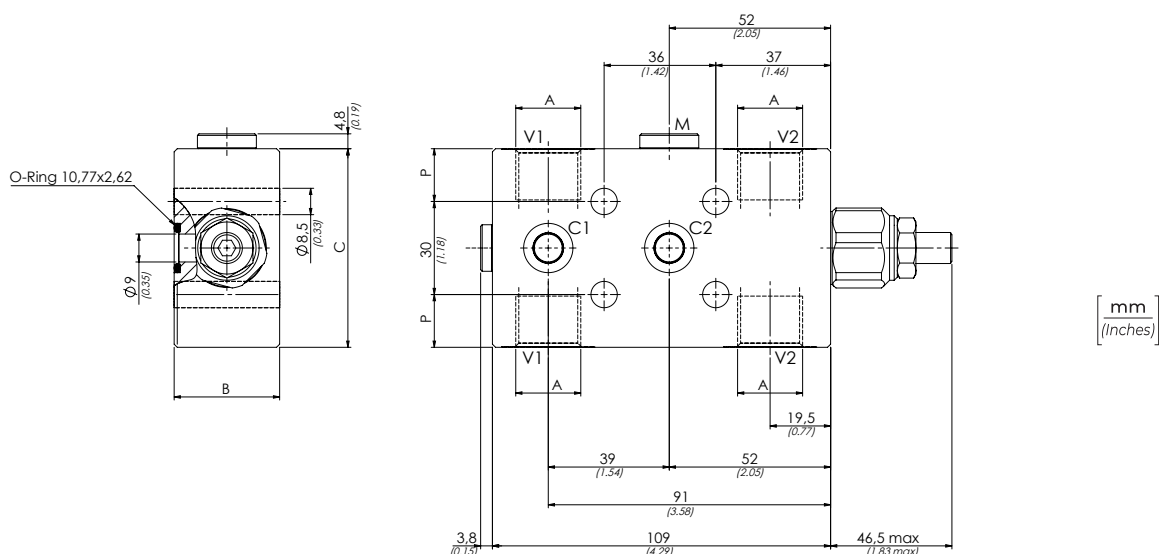
CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VBLF				

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO - FLANGIATA DOPPIA (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER - DOUBLE FLANGED VERSION)				VBLF
02	DIMENSIONE (SIZE)	BSPP 3/8		380	
		BSPP 1/2		120	
03	MOLLA (SPRING)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting)	1
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 200 bar (2900 PSI)	
	MOLLA (SPRING)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting)	2
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)			S
		Acciaio + zinco-nichel (Steel + zinc-nickel)			K
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	1:4.25 Standard			/
		1:8.75			8

DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

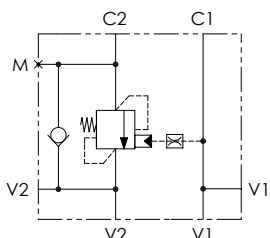


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	B	C	M	P	PESO APPROX (kg) APPROX WEIGHT (lb)
VBLF380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	BSPP 1/4	12 (0.47)	1,17 (2.55)
VBLF120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)		17 (0.67)	1,55 (3.37)



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



DATI TECNICI / TECHNICAL DATA

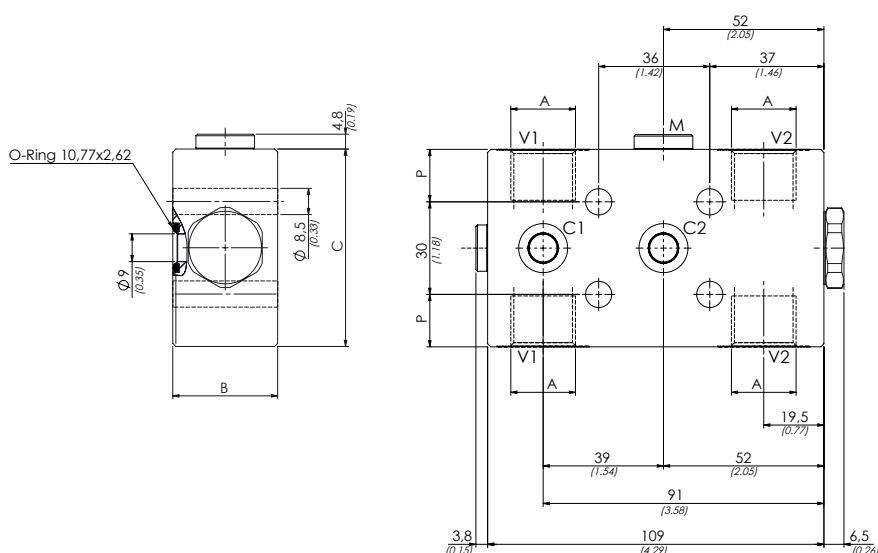
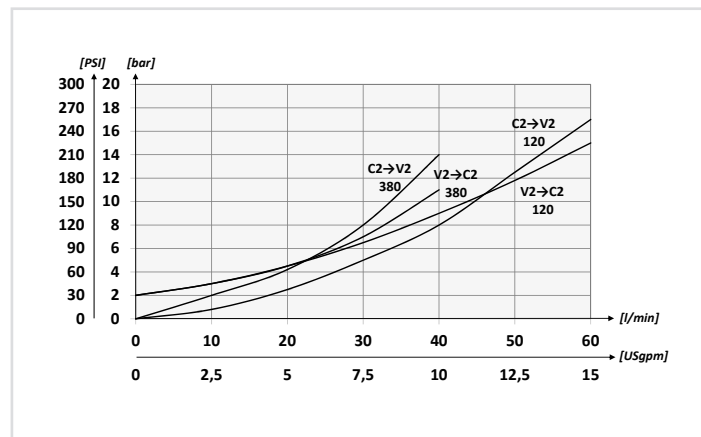
olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C +80°C	-4°F +176°F	
Temperatura ambiente - Environment temperature	-20°C +50°C	-4°F +122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

CODICE ORDINAZIONE ORDERING CODE

01	02	03	04
VBZF		2	

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO - FLANGIATE A TARATURA FISSA (SINGLE COUNTERBALANCE VALVES FIXED SETTING FOR OPEN CENTER - FLANGED VERSION)		VBZF
02	DIMENSIONE (SIZE)	BSPP 3/8	380
		BSPP 1/2	120
03	Taratura (Setting) Q=5 l/min 350 bar (5075 PSI)		2
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)	S
		Acciaio + zinco-nichel (Steel + zinc-nickel)	K
Rapporto di pilotaggio (Pilot ratio) 1:4.25			

PERFORMANCES



CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

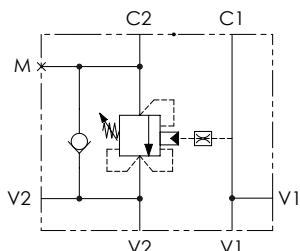
TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	B	C	M	P	PESO APPROX (kg) APPROX WEIGHT (lb)
VBZF380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	BSPP 1/4	12 (0.47)	1,10 (2.42)
VBZF120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)		17 (0.67)	1,48 (3.25)

VCLF VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO CHIUSO - FLANGIATE

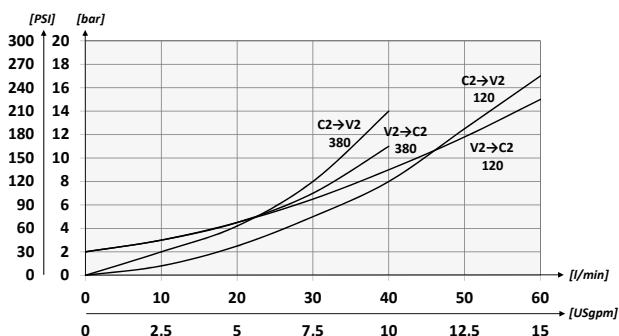
SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER - FLANGED VERSION



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



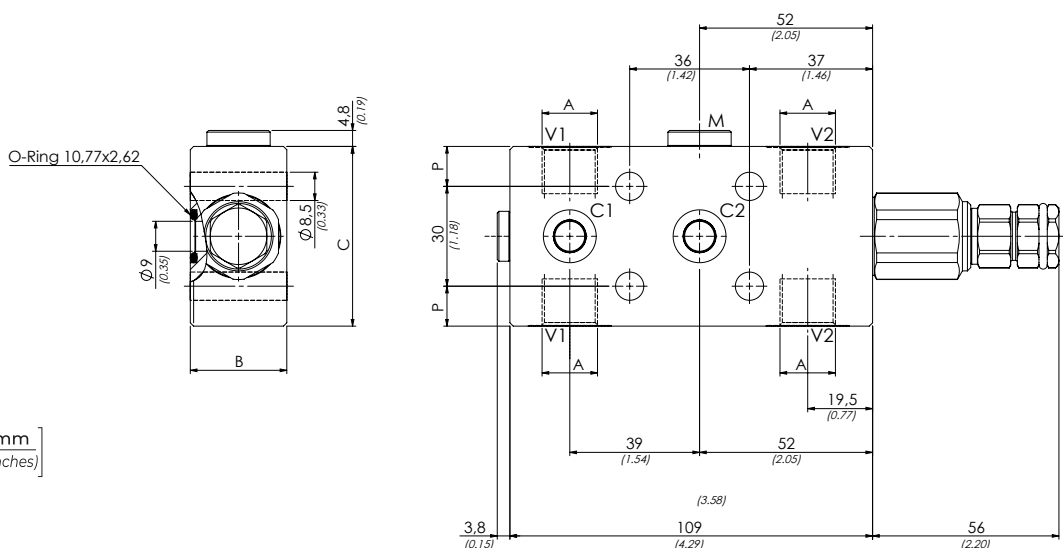
CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VCLF			S	

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO CHIUSO - FLANGIATE (SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER - FLANGED VERSION)			VCLF
02	DIMENSIONE (SIZE)		BSPP 3/8	380
			BSPP 1/2	120
03	MOLLA (SPRING)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting)
	30/210 bar (435/3045 PSI)	Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 200 bar (2900 PSI)
03	MOLLA (SPRING)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting)
	60/350 bar (870/5075 PSI)	Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)		S
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	1:4.25 Standard		/
		1:8.75		8

DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

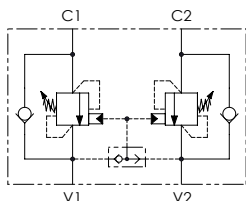


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

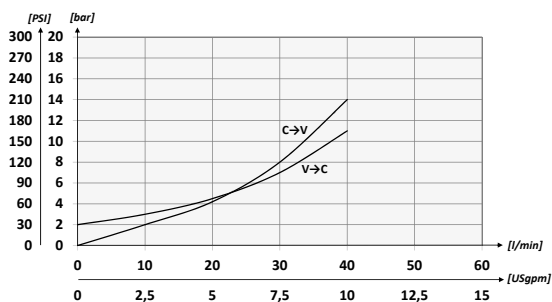
TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	B	C	M	P	PESO APPROX (kg) APPROX WEIGHT (lbt)
VCLF380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	BSPP 1/4	12 (0.47)	1,22 (2.69)
VCLF120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)		17 (0.67)	1,60 (3.52)



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



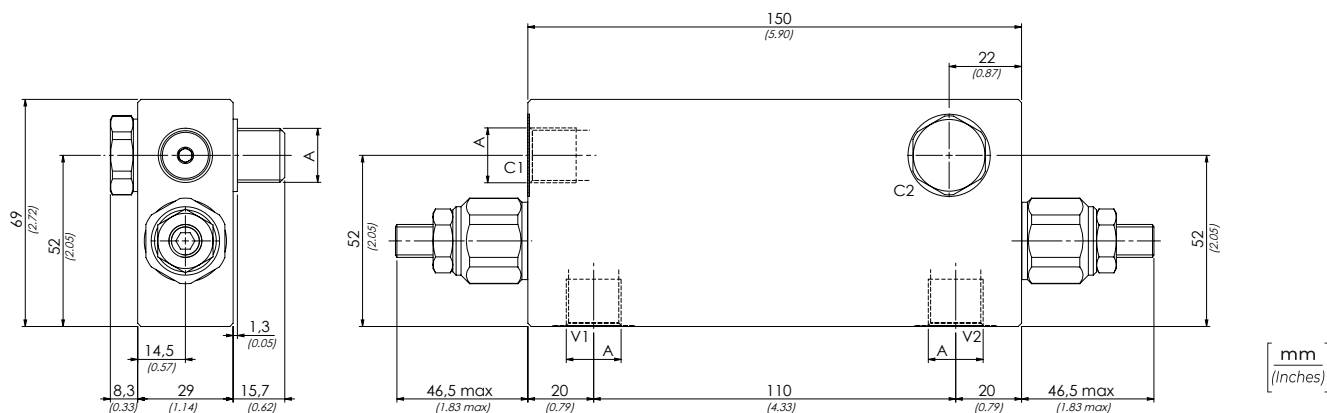
PERFORMANCES



CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VBCA 380				

01	VALVOLE DI BILANCIAMENTO SINGOLA A BULLONE PER CENTRO APERTO (BOLT-FITTING SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER)				VBCA
02	DIMENSIONE (SIZE)	BSPP 3/8			380
03	MOLLA (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting) Q=5 l/min 200 bar (2900 PSI)	1
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)		
	MOLLA (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting) Q=5 l/min 350 bar (5075 PSI)	2
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)		
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)			S
		Acciaio + zinco-nichel (Steel + zinc-nickel)			K
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	1:4.25 Standard			/
		1:8.75			8



DATI TECNICI / TECHNICAL DATA

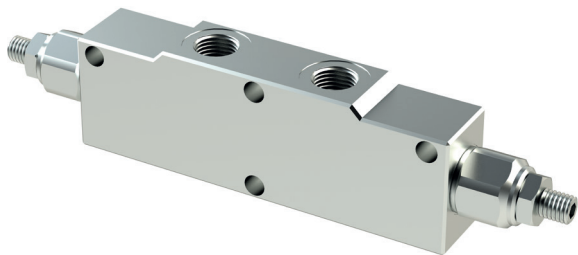
Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C +80°C	-4°F + 176°F	
Temperatura ambiente - Environment temperature	-20°C +50°C	-4°F + 122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

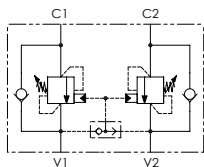
CODICE CODE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX (kg) APPROX WEIGHT (lbt)
VBCA380	BSPP 3/8	40 (10.6)	350 (5075)	2,32 (5.11)

VBCD VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO APERTO

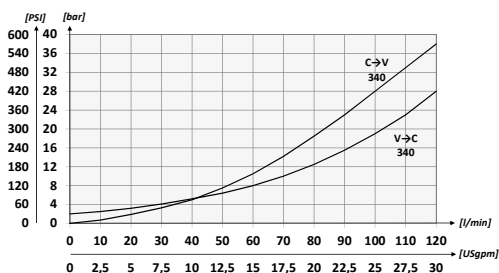
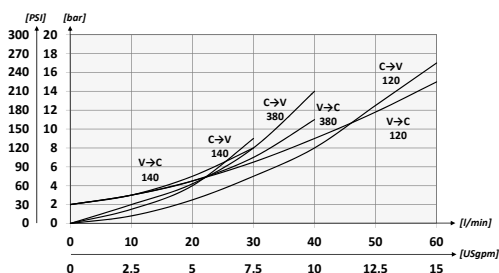
DOUBLE COUNTERBALANCE VALVES FOR OPEN CENTER



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



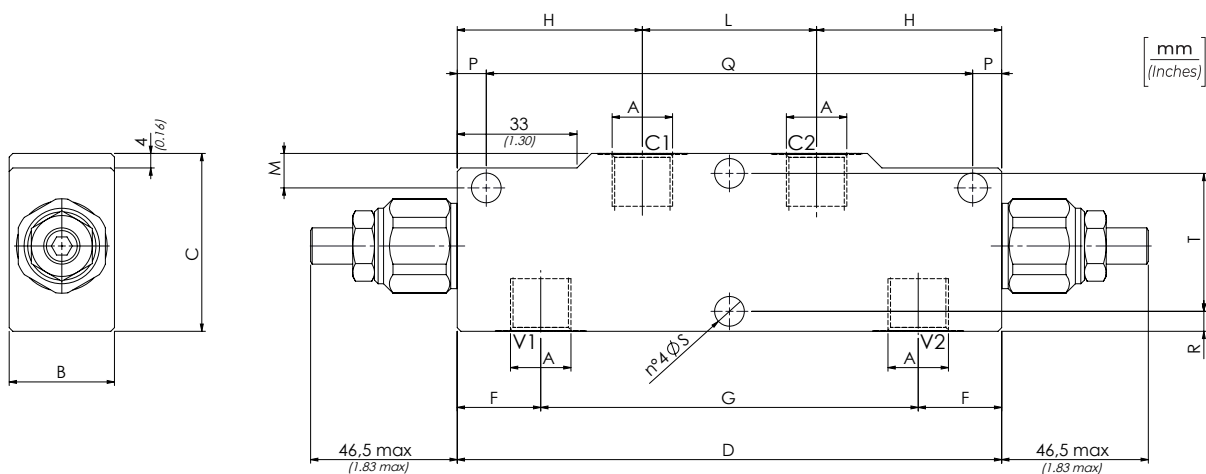
CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VBCD				

01	VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO APERTO (DOUBLE COUNTERBALANCE VALVES FOR OPEN CENTER)				VBCD
02	DIMENSIONE (SIZE)	BSPP 1/4			140
		BSPP 3/8			380
		BSPP 1/2			120
		BSPP 3/4			340
03	MOLLA (SPRING)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting)	1
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 200 bar (2900 PSI)	
	MOLLA (SPRING)	Rp 1:4.25	140 380 120	135 bar/al giro (1958 PSI/turn)	2
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
	MOLLA (SPRING)	Rp 1:6.2	340	143 bar/al giro (2074 PSI/turn)	
		Rp 1:10.6	242 bar/al giro (3509 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)			S
		Acciaio + zincatura (Steel + zinc-plating)			K
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	140	1:4.25 Standard		/
		380	1:8.75		8
		120	1:6.2		/
		340	1:10.6		11

DATI TECNICI / TECHNICAL DATA

Olío idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

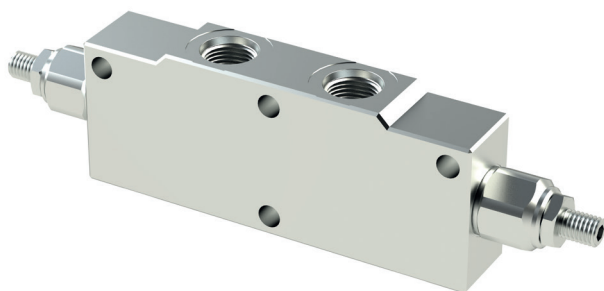


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

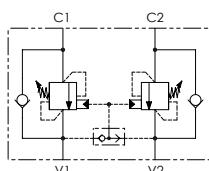
TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	F	G	H	L	M	P	Q	R	S	T	Peso Approx Approx weight kg-lbt
VBCD140	BSPP 1/4	30 (7.9)	350 (5075)	29 (1.14)	49 (1.93)	150 (5.91)	23 (0.91)	104 (4.09)	51 (2.01)	48 (1.89)	10 (0.39)	8 (0.31)	134 (5.28)	5,5 (0.22)	8,2 (0.32)	38 (1.50)	1,57 (3,46)
VBCD380	BSPP 3/8	40 (10.6)			59 (2.32)		21 (0.83)	108 (4.25)			12 (0.47)		7,5 (0.29)	43 (1.69)		1,55 (3,41)	
VBCD120	BSPP 1/2	60 (15.9)			1,78 (3.92)												
VBCD340	BSPP 3/4	120 (31.7)			39 (1.54)	69 (2.72)	210 (8.27)	26 (1.02)	158 (6.22)	72 (2.83)	66 (2.6)	13 (0.51)	10 (0.39)	190 (7.48)	8,5 (0.33)	10,5 (0.41)	52 (2.05)

VBCD-SAE

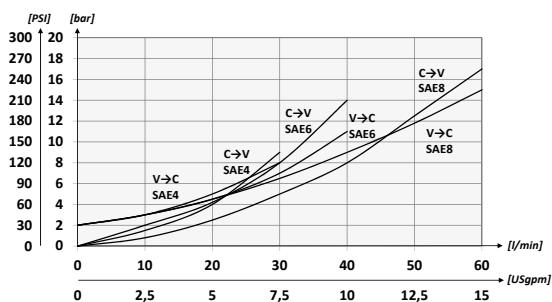
VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO APERTO
DOUBLE COUNTERBALANCE VALVES FOR OPEN CENTER



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



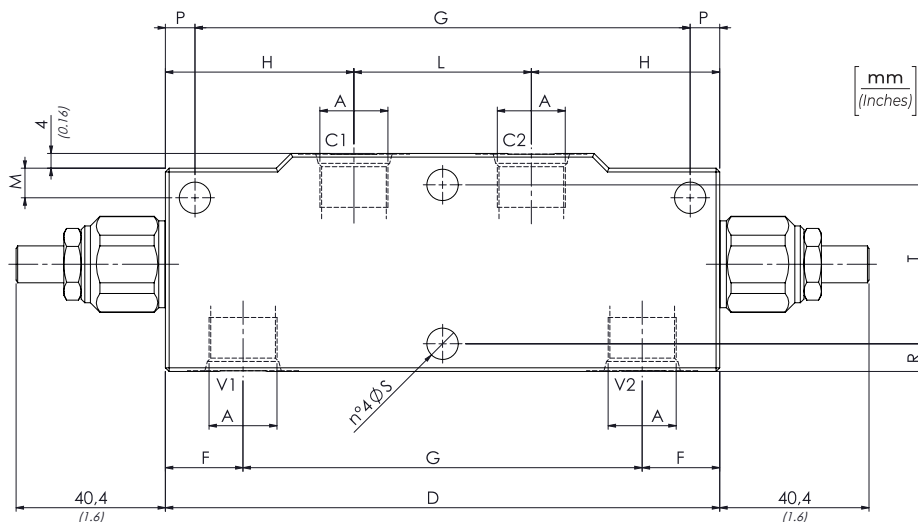
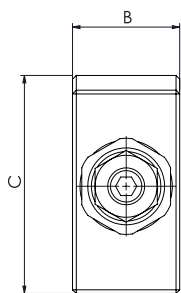
CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VBCD				

01	VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO APERTO DOUBLE COUNTERBALANCE VALVES FOR OPEN CENTER				VBCD
02	DIMENSIONE (SIZE)	7/16-20UNF			4
		9/16-18UNF			6
		3/4-16UNF			8
03	MOLLA (SPRING)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting)	1
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 200 bar (2900 PSI)	
	MOLLA (SPRING)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting)	2
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)			S
		Acciaio + zinco-nichel (Steel + zinc-nickel)			K
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	1:4.25 Standard			/
		1:8.75			8

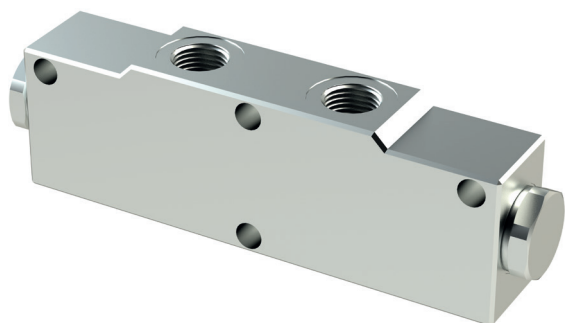
DATI TECNICI / TECHNICAL DATA

olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

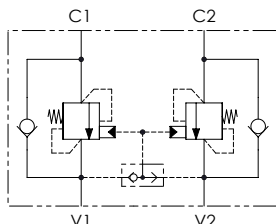


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	F	G	H	L	M	P	R	S	T	PESO APPROX APPROXWEIGHT kg-lbt
VBCD4	7/16-20UNF	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)	5,5 (0.22)	8 (0.31)	5,5 (0.22)	8,2 (0.32)	38 (1.50)	1,59 (3,50)
VBCD6	9/16-18UNF	40 (10.6)			59 (2.32)		21 (0.83)	134 (5.27)			8 (0.31)		7,5 (0.29)		43 (1.69)	1,56 (3,44)
VBCD8	3/4-16UNF	60 (15.9)														1,80 (3.97)



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT

**DATI TECNICI / TECHNICAL DATA**

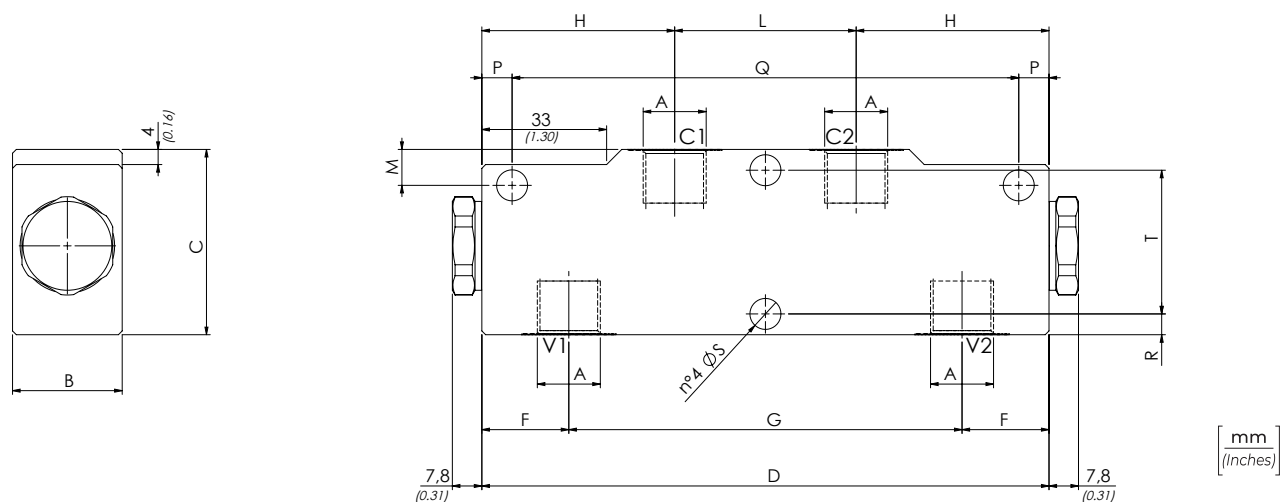
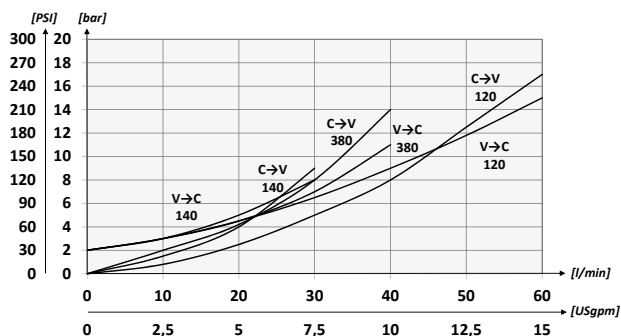
Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C	+80°C	-4°F + 176°F
Temperatura ambiente - Environment temperature	-20°C	+50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

CODICE ORDINAZIONE
ORDERING CODE

01	02	03	04
VBZD		2	

01	VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO APERTO A TARATURA FISSA (DOUBLE COUNTERBALANCE VALVES FIXED SETTING FOR OPEN CENTER)		VBZD
02	DIMENSIONE (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
03	Taratura (Setting) Q=5 l/min 350 bar (5075 PSI)		2
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)	S
		Acciaio + zinco-nichel (Steel + zinc-nickel)	K
Rapporto di pilotaggio (Pilot ratio) 1:4.25			

PERFORMANCES

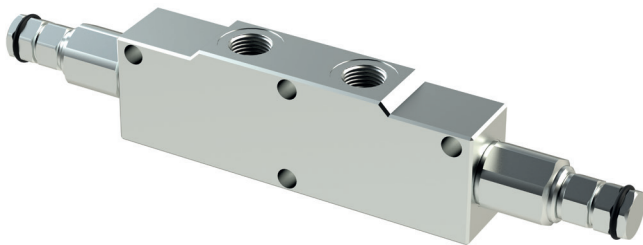


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

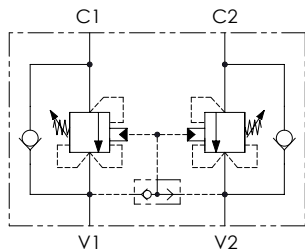
TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	F	G	H	L	M	P	Q	R	S	T	PESO APPROX APPROX WEIGHT kg-lbt
VBZD140	BSPP 1/4	30 (7.9)	350 (5075)	29 (1.14)	49 (1.93)	150 (5.91)	23 (0.91)	104 (4.09)	51 (2,01)	48 (1.89)	10 (0.39)	8 (0.31)	134 (5.28)	5,5 (0.22)	8,2 (0.32)	38 (1.50)	1,50 (3,30)
VBZD380	BSPP 3/8	40 (10.6)					21 (0.83)	108 (4.25)			12 (0.47)			7,5 (0.29)		43 (1.69)	1,48 (3,25)
VBZD120	BSPP 1/2	60 (15.9)			59 (2.32)												

VBCC VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO CHIUSO

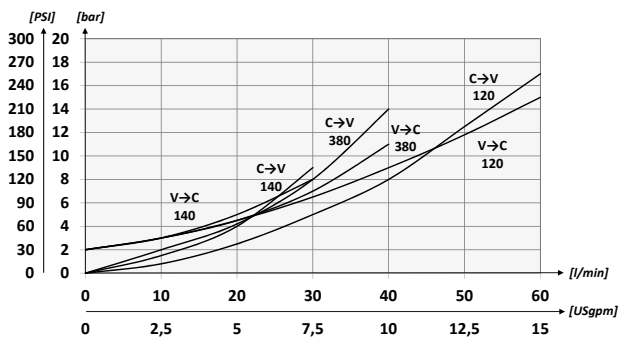
DOUBLE COUNTERBALANCE VALVES FOR CLOSED CENTER



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



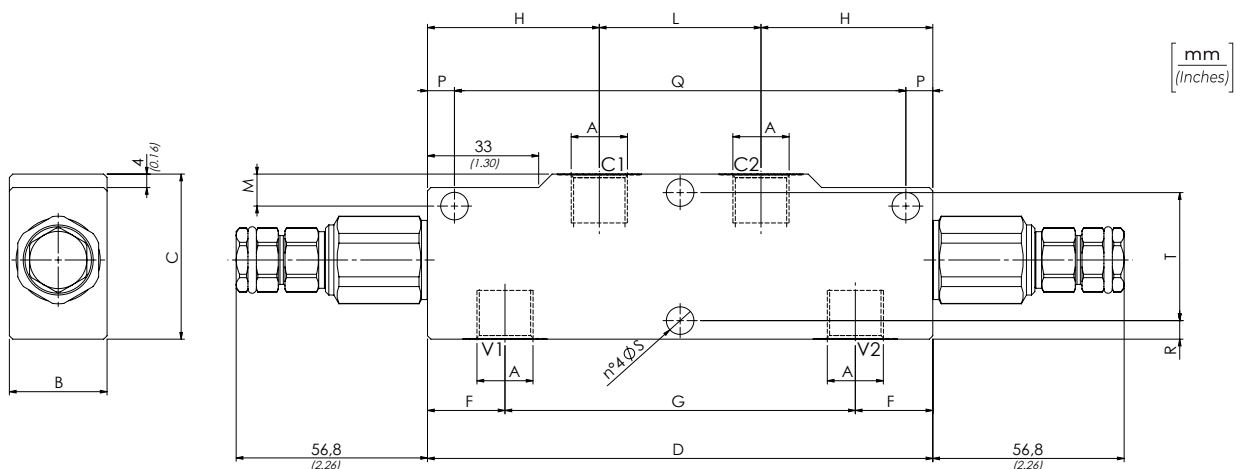
CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VBCC			S	

01	VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO CHIUSO (DOUBLE COUNTERBALANCE VALVES FOR CLOSED CENTER)				VBCC
02	DIMENSIONE (SIZE)		BSPP 1/4		140
			BSPP 3/8		380
			BSPP 1/2		120
03	MOLLA (SPRING)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting)	1
	30/210 bar (435/3045 PSI)	Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 200 bar (2900 PSI)	
	MOLLA (SPRING)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting)	2
	60/350 bar (870/5075 PSI)	Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
04	MATERIALE (MATERIAL)		Acciaio + zincatura (Steel + zinc-plating)		S
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)		1:4.25 Standard		/
			1:8.75		8

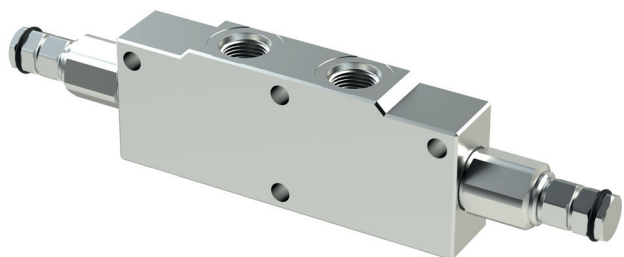
DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C	+80°C	-4°F +176°F
Temperatura ambiente - Environment temperature	-20°C	+50°C	-4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

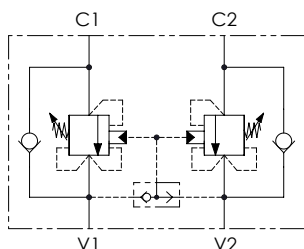


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

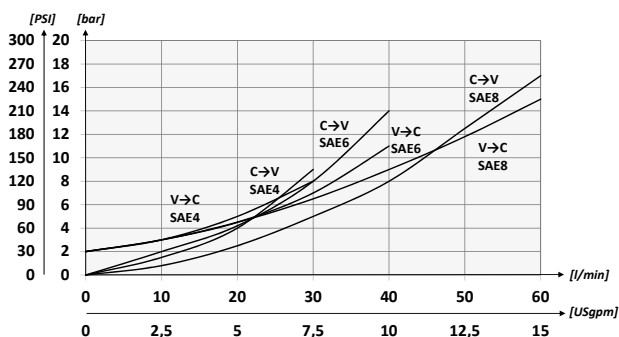
TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	F	G	H	L	M	P	Q	R	S	T	PESO APPROX APPROX WEIGHT kg-lbt
VBCC140	BSPP 1/4	30 (8)	350 (5075)	29 (1.14)	49 (1.93)	150 (5.91)	23 (0.91)	104 (4.09)	51 (2.01)	48 (1.89)	10 (0.39)	8 (0.31)	134 (5.28)	5,5 (0.22)	8,2 (0.32)	38 (1.50)	1,68 (3.70)
VBCC380	BSPP 3/8	40 (10.5)			59 (2.32)		21 (0.83)	108 (4.25)			12 (0.47)			7,5 (0.29)		43 (1.69)	1,66 (3.66)
VBCC120	BSPP 1/2	60 (16)															1,89 (4.16)



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



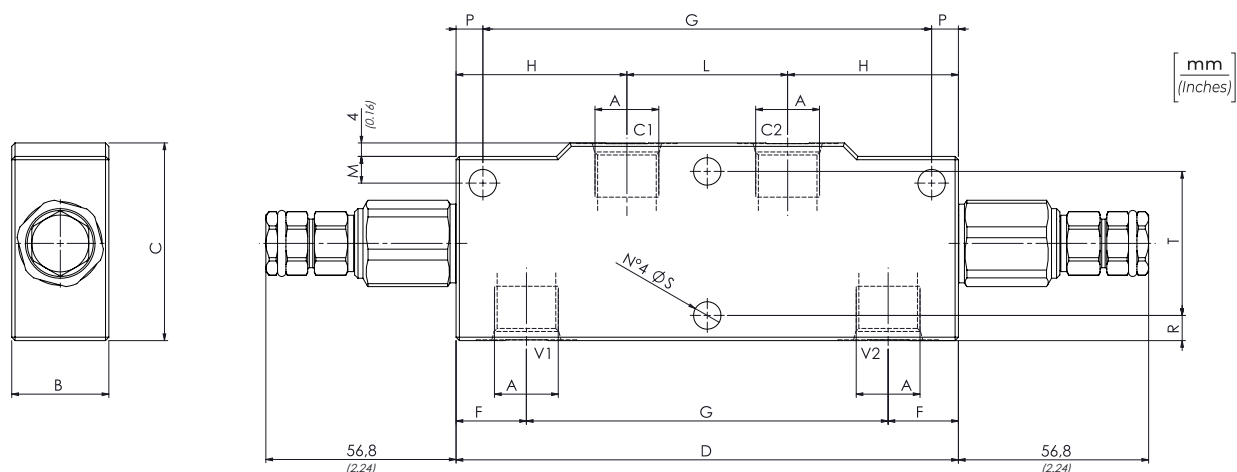
CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VBCC			S	

01	VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO CHIUSO (DOUBLE COUNTERBALANCE VALVES FOR CLOSED CENTER)				VBC
02	DIMENSIONE (SIZE)		7/16-20UNF		4
			9/16-18UNF		6
			3/4-16UNF		8
03	MOLLA (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting)	1
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 200 bar (2900 PSI)	
	MOLLA (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting)	2
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
04	MATERIALE (MATERIAL)		Acciaio + zincatura (Steel + zinc-plating)		S
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)		1:4.25 Standard		/
			1:8.75		8

DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

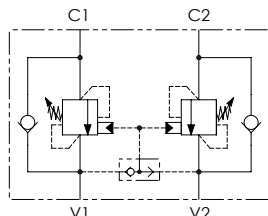


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

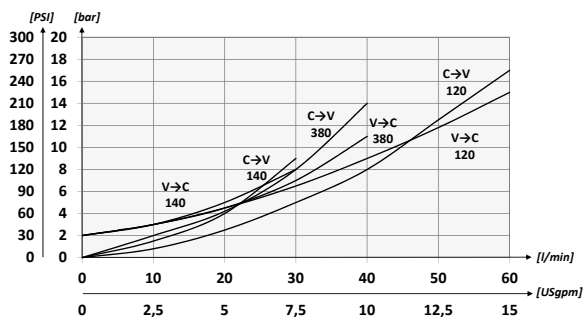
TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	F	G	H	L	M	P	Q	R	S	T	PESO APPROX APPROX WEIGHT kg-lbt
VBCC140	7/16-20UNF	30 (8)	350 (5075)	29 (1.14)	49 (1.93)	150 (5.91)	23 (0.91)	104 (4.09)	51 (2.01)	48 (1.89)	10 (0.39)	8 (0.31)	134 (5.28)	5,5 (0.22)	8,2 (0.32)	38 (1.50)	1,68 (3.70)
VBCC380	9/16-18UNF	40 (10.5)			59 (2.32)		21 (0.83)	108 (4.25)			12 (0.47)			7,5 (0.29)		43 (1.69)	1,66 (3.66)
VBCC120	3/4-16UNF	60 (16)			59 (2.32)		21 (0.83)	108 (4.25)			12 (0.47)			7,5 (0.29)		43 (1.69)	1,89 (4.16)



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



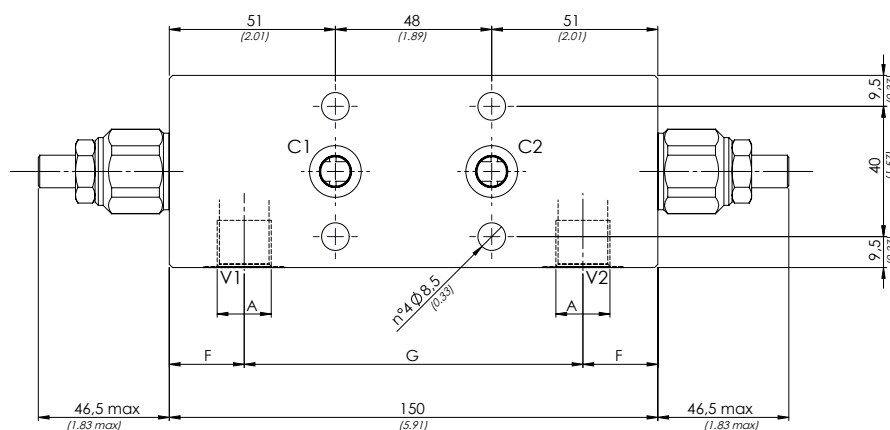
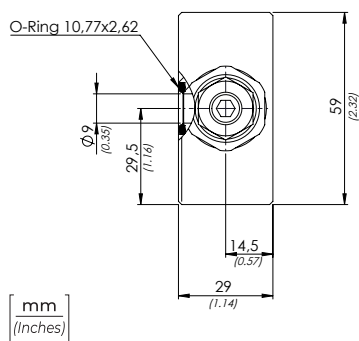
CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VBCF				

01	VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO APERTO - FLANGIATE (DOUBLE COUNTERBALANCE VALVES FOR OPEN CENTER - FLANGED VERSION)				VBCF
02	DIMENSIONE (SIZE)		BSPP 1/4	140	1
			BSPP 3/8	380	
			BSPP 1/2	120	
03	MOLLA (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting) Q=5 l/min 200 bar (2900 PSI)	1
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)		
	MOLLA (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting) Q=5 l/min 350 bar (5075 PSI)	2
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)		
04	MATERIALE (MATERIAL)		Acciaio + zincatura (Steel + zinc-plating)	S	K
			Acciaio + zinco-nichel (Steel + zinc-nickel)		
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)		1:4.25 Standard	/	8
			1:8.75		

DATI TECNICI / TECHNICAL DATA

Oilio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

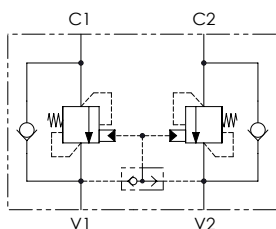


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	G	F	PESO APPROX (kg) APPROX WEIGHT (lbt)
VBCF140	BSPP 1/4	40 (10.6)	350 (5075)	104 (4.09)	23 (0.91)	2,02 (4.45)
VBCF380	BSPP 3/8					1,95 (4.30)
VBCF120	BSPP 1/2	60 (15.9)		108 (4.25)	21 (0.83)	1,92 (4.23)

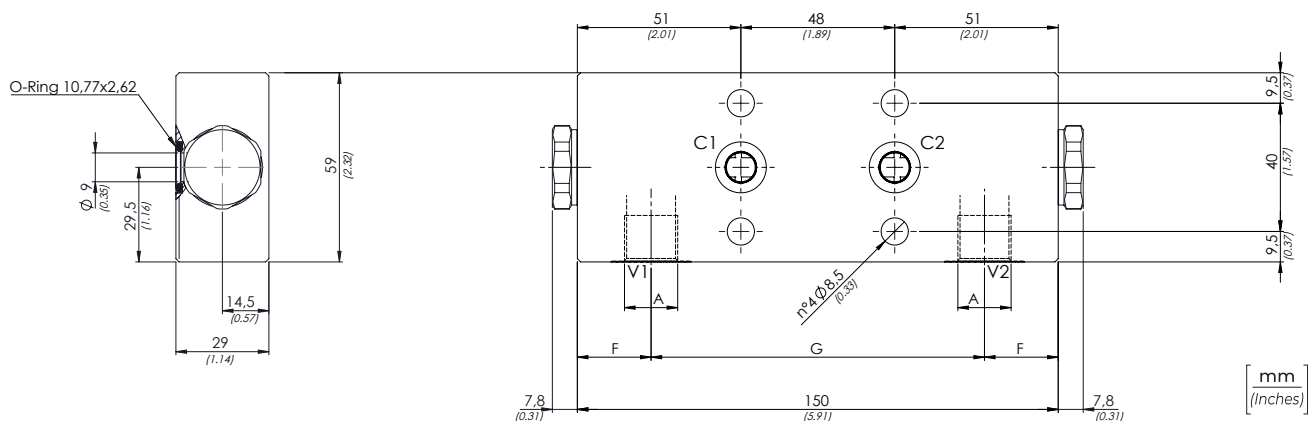
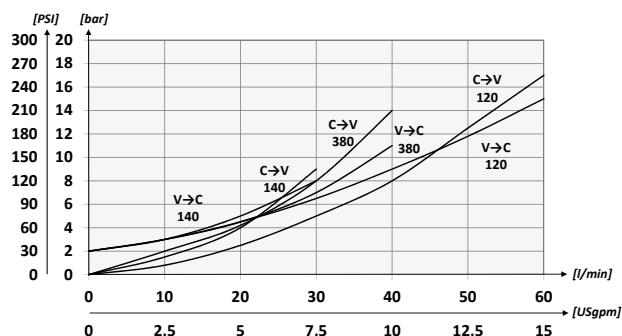


SCHEMA IDRAULICO / HYDRAULIC CIRCUIT

**DATI TECNICI / TECHNICAL DATA**

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C	+80°C	-4°F + 176°F
Temperatura ambiente - Environment temperature	-20°C	+50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

PERFORMANCES

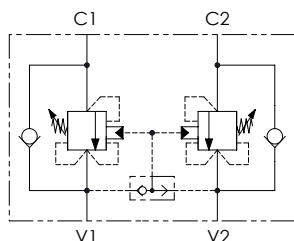


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

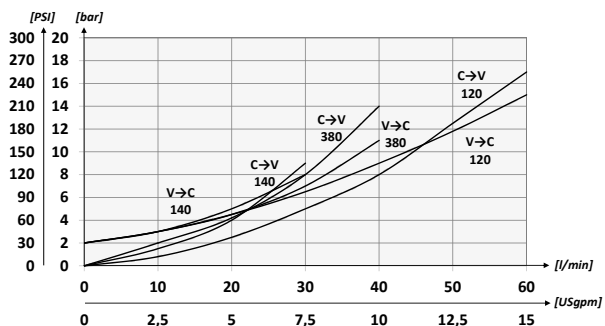
TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	G	F	PESO APPROX (kg) APPROX WEIGHT (lbt)
VBZC140	BSPP 1/4	40 (10.6)	350 (5075)	104 (4.09)	23 (0.91)	1,98 (4.24)
VBZC380	BSPP 3/8					1,90 (4.07)
VBZC120	BSPP 1/2	60 (15.9)		108 (4.25)	21 (0.83)	1,88 (4.03)



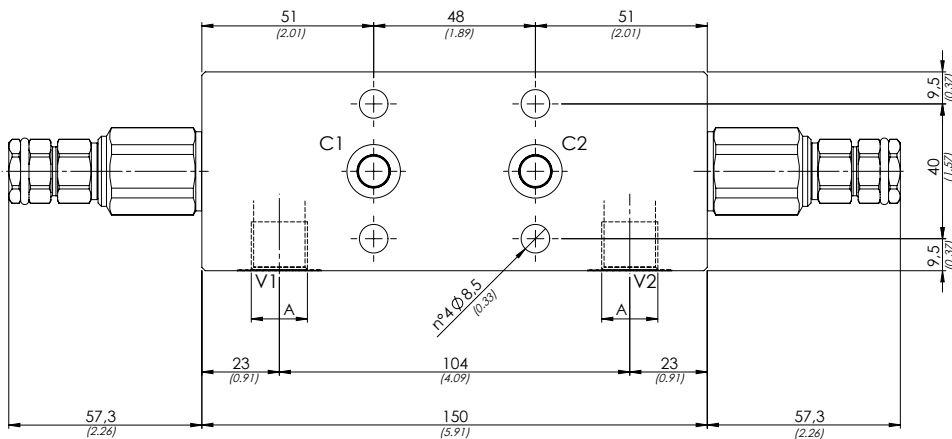
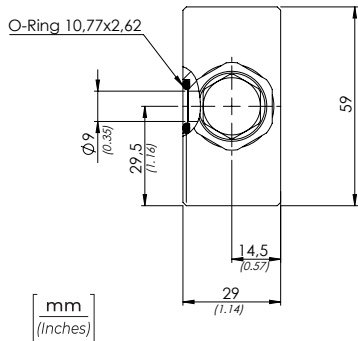
SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



CODICE ORDINAZIONE / ORDERING CODE				
01	02	03	04	05
VBCM			S	
01	VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO CHIUSO - FLANGIATE (DOUBLE COUNTERBALANCE VALVES FOR CLOSED CENTER - FLANGED VERSION)			VBCM
02	DIMENSIONE (SIZE)	BSPP 1/4		140
		BSPP 3/8		380
		BSPP 1/2		120
03	MOLLA (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	1
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	
	MOLLA (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	2
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)		S
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	1:4.25 Standard		/
		1:8.75		8

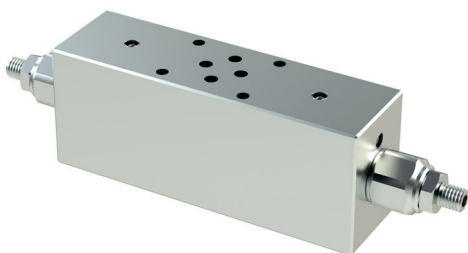


DATI TECNICI / TECHNICAL DATA

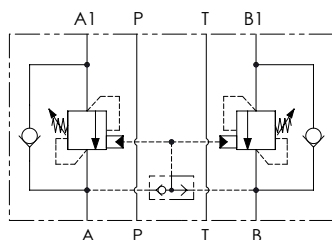
Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C	+80°C	-4°F +176°F
Temperatura ambiente - Environment temperature	-20°C	+50°C	-4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX APPROX WEIGHT kg-lbt
VBCM140	BSPP 1/4	40 (10.6)	350 (5075)	2,13 (4.69)
VBCM380	BSPP 3/8			2,09 (4.60)
VBCM120	BSPP 1/2	60 (15.9)		2,06 (4.54)



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT

**DATI TECNICI / TECHNICAL DATA**

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C	+80°C	-4°F + 176°F
Temperatura ambiente - Environment temperature	-20°C	+50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

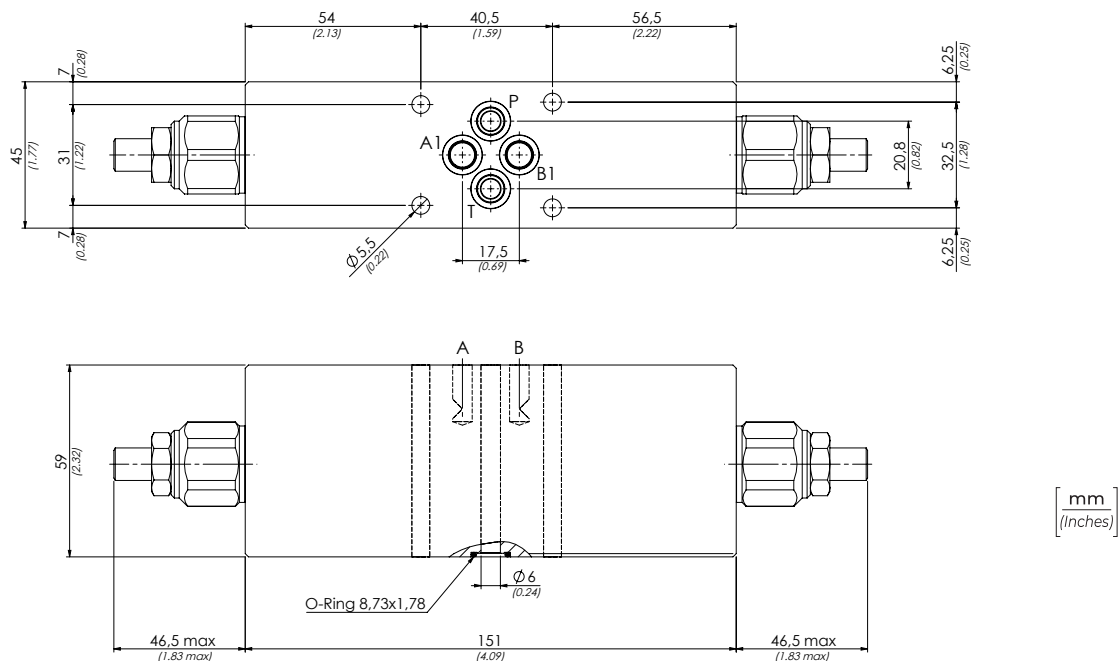
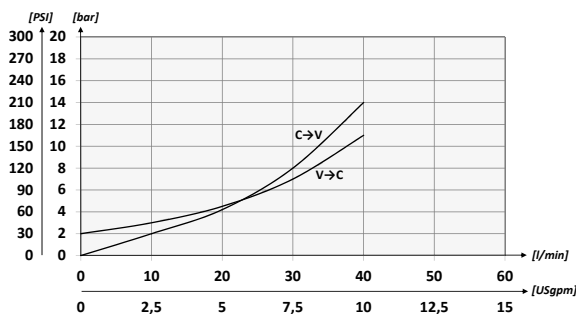
TIPO TYPE	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX APPROX WEIGHT kg-lbt
VBCS06	40 (10.6)	350 (5075)	3,10 (6.80)

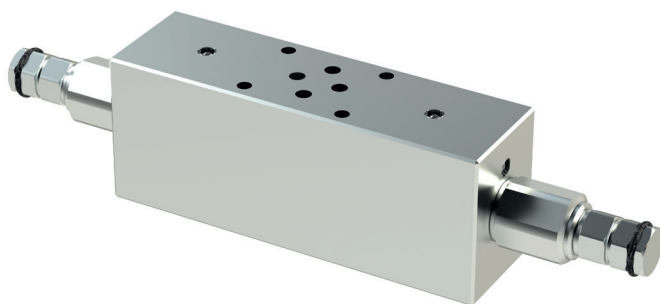
CODICE ORDINAZIONE
ORDERING CODE

01	02	03	04	05
VBCS06		S		

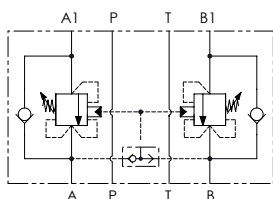
01	VALVOLE DI BILANCIAMENTO MODULARI CETOP3 DOPPIE PER CENTRO APERTO (DOUBLE CETOP3 MODULAR COUNTERBALANCE VALVES FOR OPEN CENTER)				VBCS06
02	MOLLA (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting)	1
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 200 bar (2900 PSI)	
	MOLLA (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting)	2
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
03	MATERIALE (MATERIAL)		Acciaio + zincatura (Steel + zinc-plating)		S
04	RAPPORTO DI PILOTAGGIO (PILOT RATIO)		1:4.25 Standard		/
			1:8.75		8

PERFORMANCES





SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

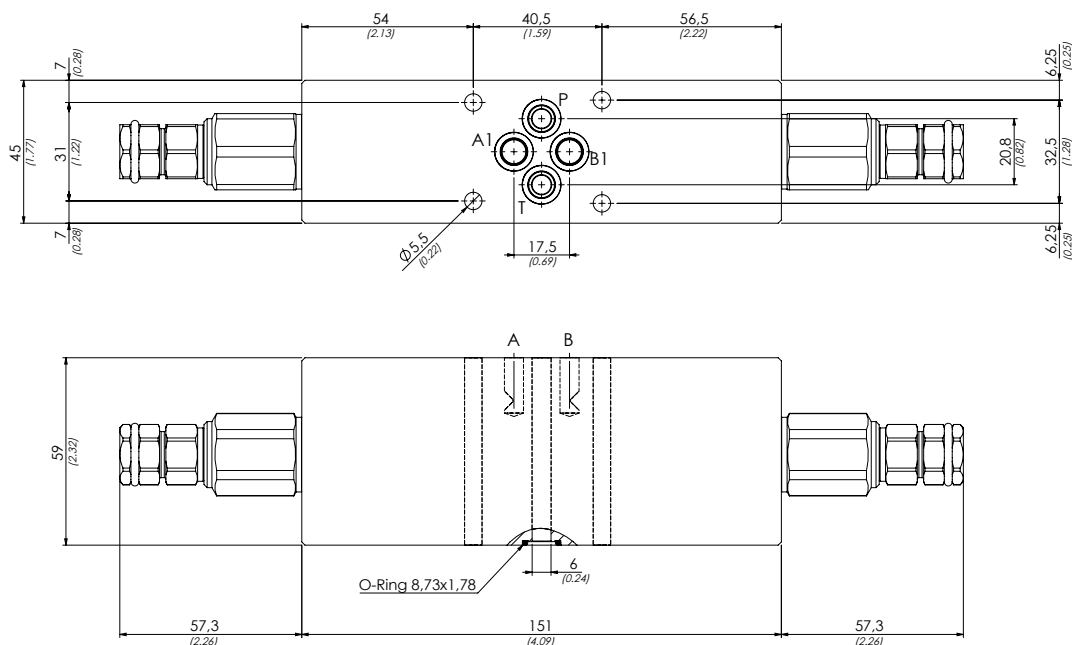
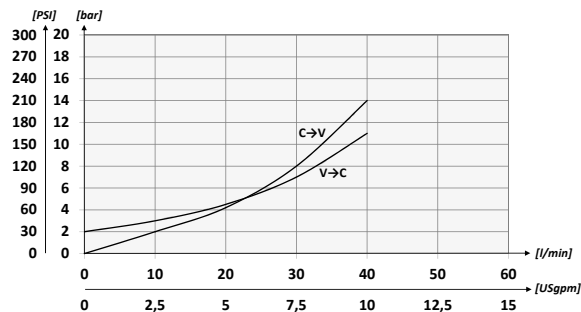
TIPO TYPE	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX APPROX WEIGHT kg-lbt
VBCT06	40 (10.6)	350 (5075)	3,10 (6.9)

CODICE ORDINAZIONE ORDERING CODE

01	02	03	04	05
VBCT06		S		

01	VALVOLE DI BILANCIAMENTO MODULARI CETOP3 DOPPIE PER CENTRO CHIUSO (DOUBLE CETOP3 MODULAR COUNTERBALANCE VALVES FOR CLOSED CENTER)			VBCT06
02	MOLLA (SPRING)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	1
	30/210 bar (435/3045 PSI)	Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	
02	MOLLA (SPRING)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	2
	60/350 bar (870/5075 PSI)	Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	
03	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)		S
04	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	1:4.25 Standard		/
		1:8.75		8

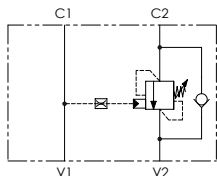
PERFORMANCES



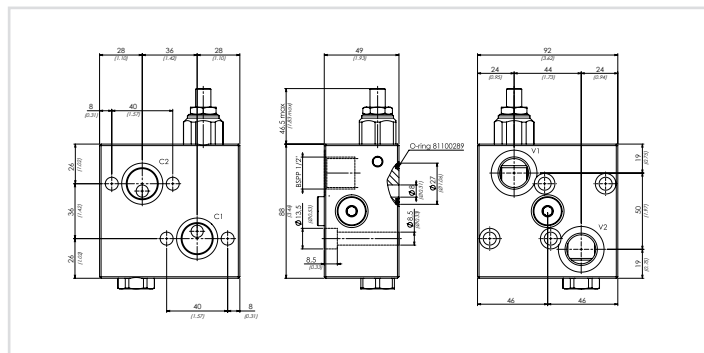
[mm]
[inches]



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT

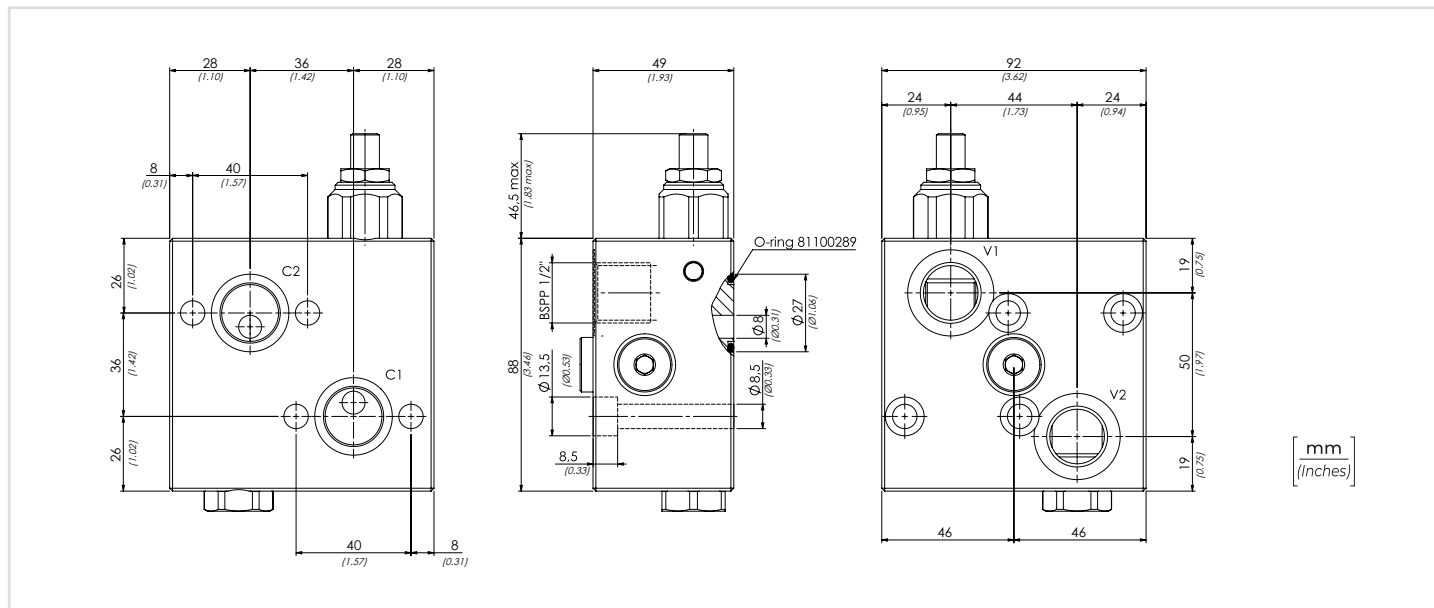


PERFORMANCES



DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	



CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

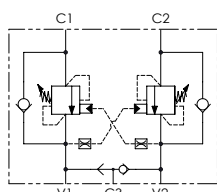
TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX (kg) APPROX WEIGHT (lbt)
SCVB120	BSPP 1/2	60 (15.9)	350 (5075)	2,81 (6.19)

	01	02	03	04	
CODICE ORDINAZIONE ORDERING CODE	SCVB			S	
01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER)			SCVB	
02	DIMENSIONE (SIZE)	BSPP 1/2		120	
03	MOLLA (SPRING)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	Taratura standard (Std. setting)	1
	30/210 bar (435/3045 PSI)	Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 200 bar (2900 PSI)	
	MOLLA (SPRING)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	Taratura standard (Std. setting)	2
	60/350 bar (870/5075 PSI)	Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)		S	

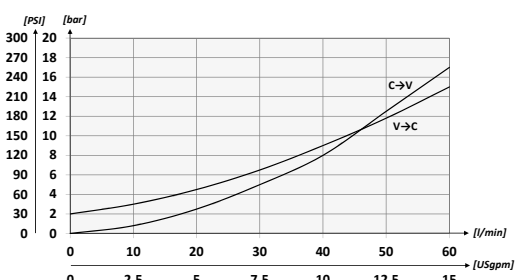
DCVB VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO APERTO OMP-OMR DOUBLE COUNTERBALANCE VALVES FOR OPEN CENTER OMP-OMR



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



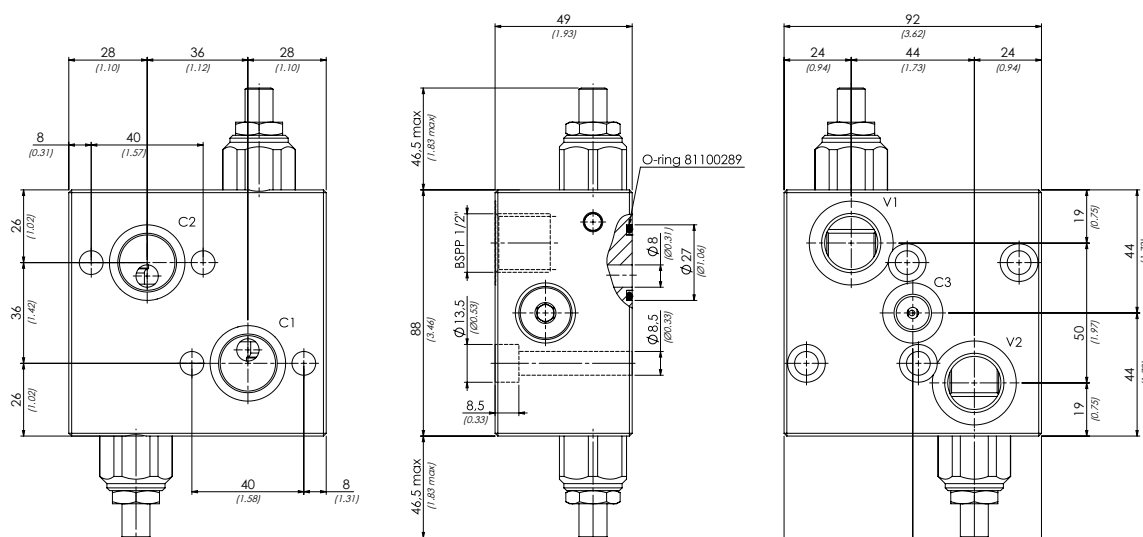
CODICE ORDINAZIONE ORDERING CODE

01	02	03	04
DCVB			S

01	VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO APERTO OMP-OMR (DOUBLE COUNTERBALANCE VALVES FOR OPEN CENTER OMP-OMR)			DCVB
02	MOLLA (SPRING)	BSPP 1/2		120
03	MOLLA (SPRING) 30/210 bar (435/3045 PSI)	Rp 1:4.25	78 bar/al giro (1131 PSI/turn)	1
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	
03	MOLLA (SPRING) 60/350 bar (870/5075 PSI)	Rp 1:4.25	135 bar/al giro (1958 PSI/turn)	2
		Rp 1:8.75	160 bar/al giro (2320 PSI/turn)	
04	MATERIALE (MATERIAL)	Acciaio + zincatura (Steel + zinc-plating)		S

DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	



CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	Peso Approx Approx weight kg-lbt
DCVB120	BSPP 1/2	60 (15.9)	350 (5075)	2,8 (6.17)

TAPPO DI SICUREZZA TAMPER PROOF CAP



CODICE ORDINAZIONE
ORDERING CODE

01

01	81300119	M6
	81300037	M8
	81300095	M10
	81300120	M12
	81300121	M16