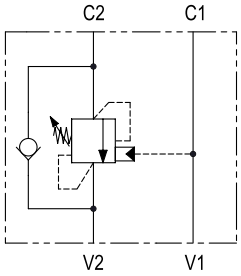
B03SN-L1

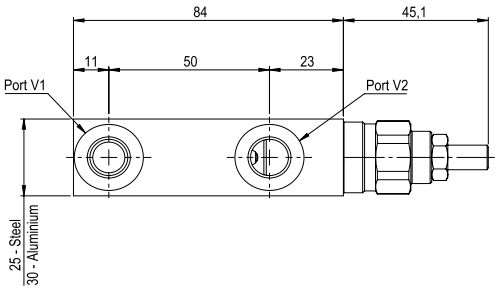
VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO
SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER

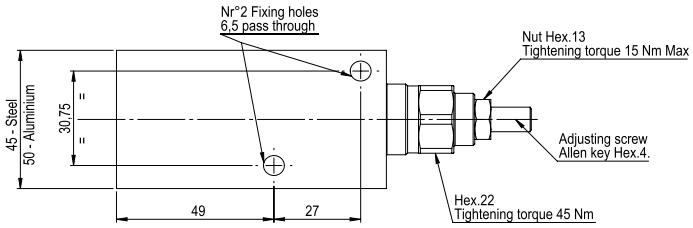
CODICE ORDINAZIONE / ORDERING CODE

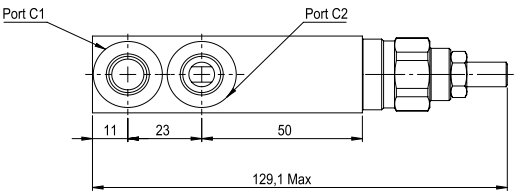
01	02	03	04	05	06	07	08
B03S	**N**				**L1**		**G140**

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT









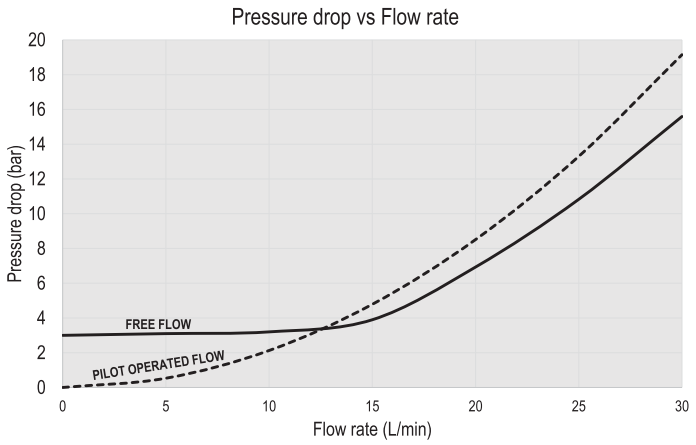
mm
(Inches)

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER)		**B03S**
02	VERSIONE (VERSION)	Non Compensata (Not Compensated)	**N**
03	CAMPO DI TARATURA (SETTING RANGE)	Campo di Taratura (setting range) **60 ÷ 210 bar** (870 ÷ 3045 PSI) Taratura standard (Std. setting) * **210 bar @ 5 l/min** (3045 PSI @ 1.3 gpm)	**1**
		Campo di Taratura (setting range) **100 ÷ 350 bar** (1450 ÷ 5075 PSI) Taratura standard (Std. setting) * **350 bar @ 5 l/min** (5075 PSI @ 1.3 gpm)	**2**
04	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	Rp 4:1 **56 bar/al giro (Taratura std. a 210 bar)** (797 PSI/turn -std. Setting at 210 bar)	**4**
		Rp 4:1 **116 bar/al giro (Taratura std. a 350 bar)** (1785 PSI/turn - std.Setting at 350 bar)	
		Rp 8:1 **114 bar/al giro** (1653 PSI/turn)	**8**
		Rp 11,5:1 **153 bar/al giro** (2219 PSI/turn)	**A**
05	GUARNIZIONI (GASKETS)	NBR	**B**
		VITON	**V**
06	CORPO (BODY)	Single Acting	**L1**
07	MATERIALE (MATERIAL)	Acciaio + Zincatura (Steel + Zinc-plating)	**S**
		Acciaio + Zinco-nichel (Steel + Zinc-nickel)	**K**
		Alluminio (Aluminum)	**A**
08	ATTACCHI (PORTS)	BSPP 1/4	**G140**

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300037**

* PER TARATURE DIFFERENTI DALLO STD CONTATTARE UFFICIO COMMERCIALE
(FOR DIFFERENT SETTING OPTIONS CONTACT OUR CUSTOMER CARE)

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**	
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

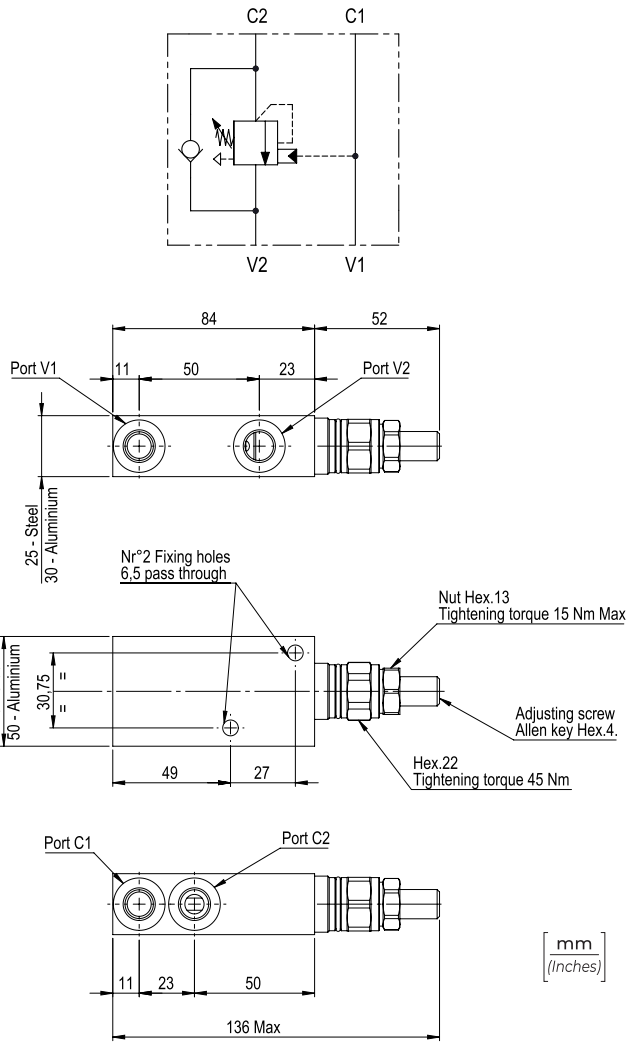
CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	**PORTATA MAX** (l/min) MAX FLOW (USgpm)	**PRESSIONE MAX** (bar) MAX PRESSURE (PSI)	**PESO APPROX** (kg) APPROX WEIGHT (lbt)
B03SN-L1	**30** (7.9)	**350** (5075)	**0,7** (15.4)

CODICE ORDINAZIONE
ORDERING CODE

01	02	03	04	05	06	07	08
B03S	**C**				**L1**		**G140**

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



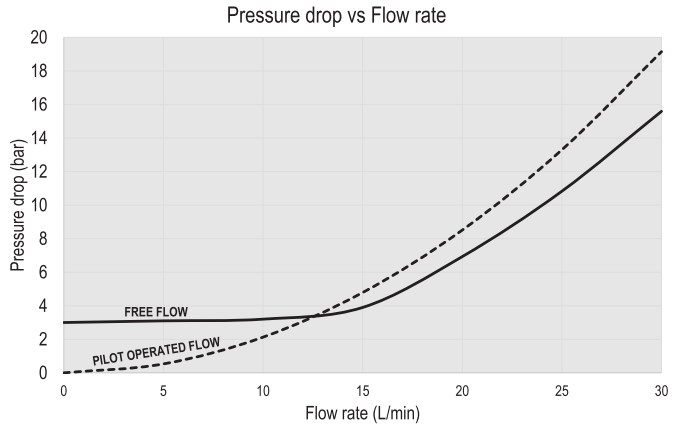
mm
(Inches)

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO CHIUSO (SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER)		**B03S**
02	VERSIONE (VERSION)	Compensata (Compensated)	**C**
03	CAMPO DI TARATURA (SETTING RANGE)	Campo di Taratura (setting range) **60 ÷ 210 bar** (870 ÷ 3045 PSI) Taratura standard (Std. setting) * **210 bar @ 5 l/min** (3045 PSI @ 1.3 gpm)	**1**
		Campo di Taratura (setting range) **100 ÷ 350 bar** (1450 ÷ 5075 PSI) Taratura standard (Std. setting) * **350 bar @ 5 l/min** (5075 PSI @ 1.3 gpm)	**2**
04	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	Rp 4:1 **56 bar/al giro (Taratura std. a 210 bar)** (797 PSI/turn -std. Setting at 210 bar)	**4**
		Rp 4:1 **116 bar/al giro (Taratura std. a 350 bar)** (1785 PSI/turn - std.Setting at 350 bar)	
		Rp 8:1 **114 bar/al giro** (1653 PSI/turn)	**8**
		Rp 11,5:1 **153 bar/al giro** (2219 PSI/turn)	**A**
05	GUARNIZIONI (GASKETS)	NBR	**B**
		VITON	**V**
06	CORPO (BODY)	Single Acting	**L1**
07	MATERIALE (MATERIAL)	Acciaio + Zincatura (Steel + Zinc-plating)	**S**
		Acciaio + Zinco-nichel (Steel + Zinc-nickel)	**K**
		Alluminio (Aluminum)	**A**
08	ATTACCHI (PORTS)	BSPP 1/4	**G140**

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300120**

* PER TARATURE DIFFERENTI DALLO STD CONTATTARE UFFICIO COMMERCIALE
(FOR DIFFERENT SETTING OPTIONS CONTACT OUR CUSTOMER CARE)

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)	
Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	**PORTATA MAX** (l/min) MAX FLOW (USgpm)	**PRESSIONE MAX** (bar) MAX PRESSURE (PSI)	**PESO APPROX** (kg) APPROX WEIGHT (lbt)
B03SC-L1	**30** (7.9)	**350** (5075)	**0,7** (15.4)

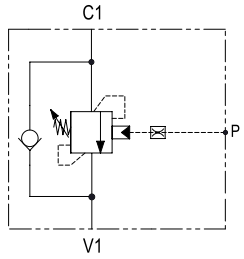
B03SN-P1

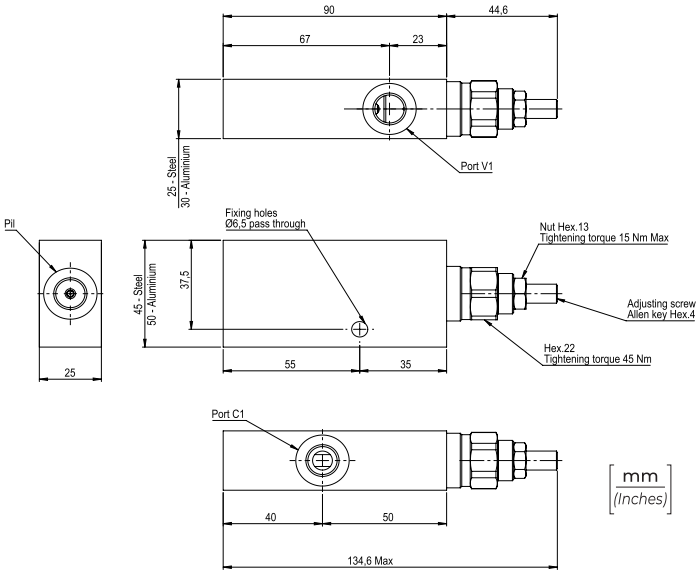
VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO PILOTATE
SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER PILOTED VERSION

CODICE ORDINAZIONE
ORDERING CODE

01	02	03	04	05	06	07	08
B03S	**N**				**P1**		**G140**

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT





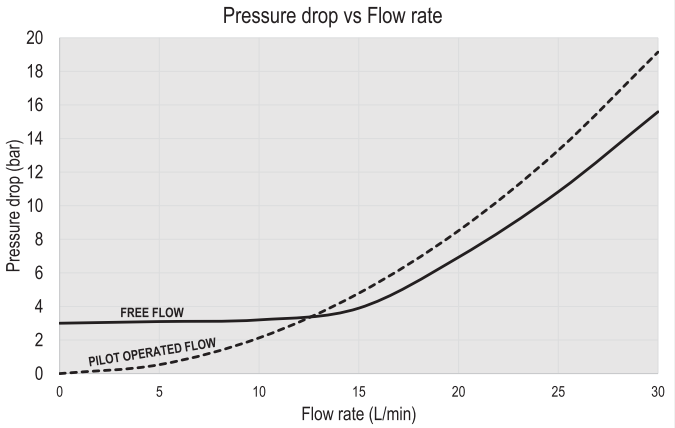
mm
(Inches)

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER)		**B03S**
02	VERSIONE (VERSION)	Non Compensata (Not Compensated)	**N**
03	CAMPO DI TARATURA (SETTING RANGE)	Campo di Taratura (setting range) **60 ÷ 210 bar** (870 ÷ 3045 PSI) Taratura standard (Std. setting) * **210 bar @ 5 l/min** (3045 PSI @ 1.3 gpm)	**1**
		Campo di Taratura (setting range) **100 ÷ 350 bar** (1450 ÷ 5075 PSI) Taratura standard (Std. setting) * **350 bar @ 5 l/min** (5075 PSI @ 1.3 gpm)	**2**
04	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	Rp 4:1 **56 bar/al giro (Taratura std. a 210 bar)** (797 PSI/turn - std. Setting at 210 bar)	**4**
		Rp 4:1 **116 bar/al giro (Taratura std. a 350 bar)** (1785 PSI/turn - std. Setting at 350 bar)	
		Rp 8:1 **114 bar/al giro** (1653 PSI/turn)	**8**
		Rp 11,5:1 **153 bar/al giro** (2219 PSI/turn)	**A**
05	GUARNIZIONI (GASKETS)	NBR	**B**
		VITON	**V**
06	CORPO (BODY)	Single Acting with Pil	**P1**
07	MATERIALE (MATERIAL)	Acciaio + Zincatura (Steel + Zinc-plating)	**S**
		Acciaio + Zinco-nichel (Steel + Zinc-nickel)	**K**
		Alluminio (Aluminum)	**A**
08	ATTACCHI (PORTS)	BSPP 1/4	**G140**

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300120**

* PER TARATURE DIFFERENTI DALLO STD CONTATTARE UFFICIO COMMERCIALE
(FOR DIFFERENT SETTING OPTIONS CONTACT OUR CUSTOMER CARE)

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)	
Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	**PORTATA MAX** (l/min) MAX FLOW (USgpm)	**PRESSIONE MAX** (bar) MAX PRESSURE (PSI)	**PESO APPROX** (kg) APPROX WEIGHT (lbt)
B03SN-P1	**30** (7.9)	**350** (5075)	**0,7** (15.4)

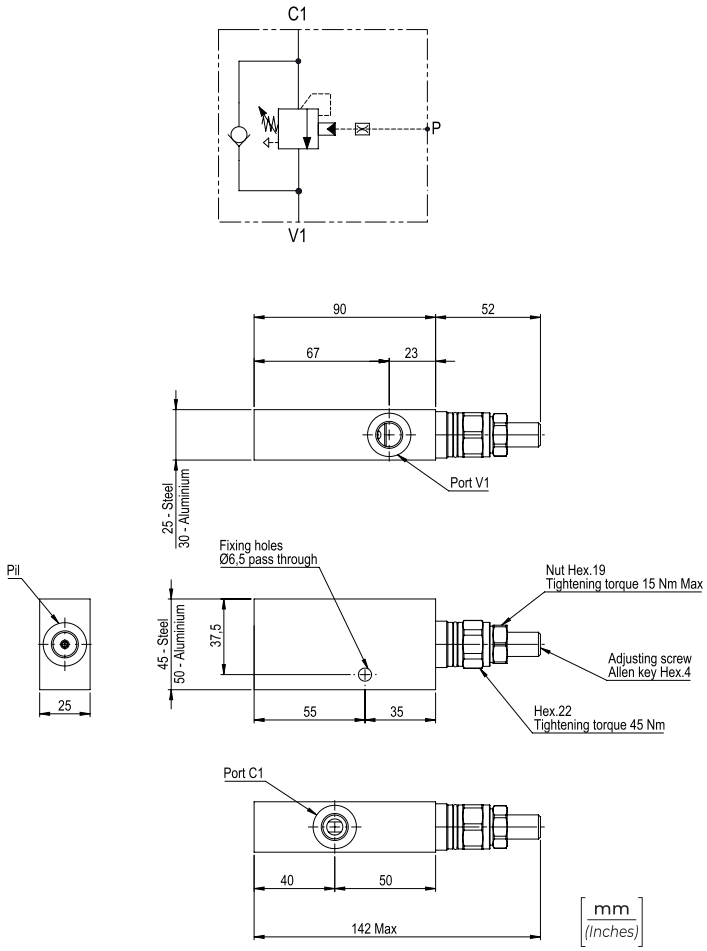
B03SC-P1

VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO CHIUSO PILOTATE
SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER PILOTED VERSION

CODICE ORDINAZIONE / ORDERING CODE

01	02	03	04	05	06	07	08
B03S	C				P1		G140

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT

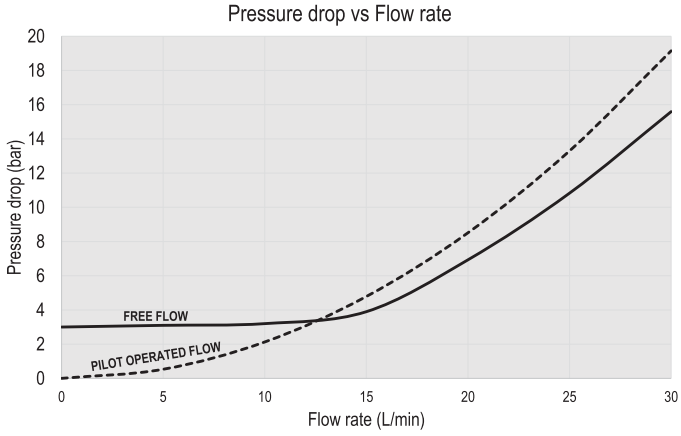


01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO CHIUSO (SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER)		**B03S**
02	VERSIONE (VERSION)	Compensata (Compensated)	**C**
03	CAMPO DI TARATURA (SETTING RANGE)	Campo di Taratura (setting range) **60 ÷ 210 bar** (870 ÷ 3045 PSI) Taratura standard (Std. setting) * **210 bar @ 5 l/min** (3045 PSI @ 1.3 gpm)	**1**
		Campo di Taratura (setting range) **100 ÷ 350 bar** (1450 ÷ 5075 PSI) Taratura standard (Std. setting) * **350 bar @ 5 l/min** (5075 PSI @ 1.3 gpm)	**2**
04	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	Rp 4:1 **56 bar/al giro (Taratura std. a 210 bar)** (797 PSI/turn - std. Setting at 210 bar)	**4**
		Rp 4:1 **116 bar/al giro (Taratura std. a 350 bar)** (1785 PSI/turn - std. Setting at 350 bar)	
		Rp 8:1 **114 bar/al giro** (1653 PSI/turn)	**8**
		Rp 11,5:1 **153 bar/al giro** (2219 PSI/turn)	**A**
05	GUARNIZIONI (GASKETS)	NBR	**B**
		VITON	**V**
06	CORPO (BODY)	Single Acting with Pil	**P1**
07	MATERIALE (MATERIAL)	Acciaio + Zincatura (Steel + Zinc-plating)	**S**
		Acciaio + Zinco-nichel (Steel + Zinc-nickel)	**K**
		Alluminio (Aluminum)	**A**
08	ATTACCHI (PORTS)	BSPP 1/4	**G140**

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300120**

* PER TARATURE DIFFERENTI DALLO STD CONTATTARE UFFICIO COMMERCIALE
(FOR DIFFERENT SETTING OPTIONS CONTACT OUR CUSTOMER CARE)

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)	
Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	PESO APPROX (kg) APPROX WEIGHT (lbt)
B03SC-P1	**30** (7.9)	**350** (5075)	**0,7** (15.4)

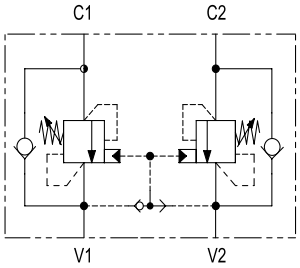
B03DN-L1

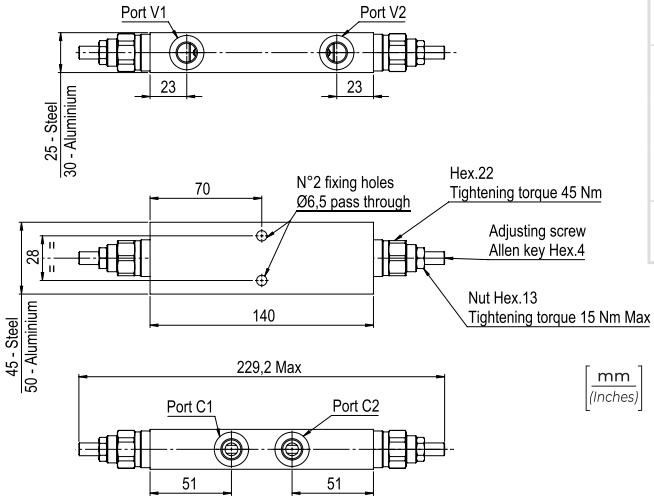
VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO APERTO
DOUBLE COUNTERBALANCE VALVES FOR OPEN CENTER

CODICE ORDINAZIONE / ORDERING CODE

01	02	03	04	05	06	07	08
B03D	**N**				**L1**		**G140**

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT





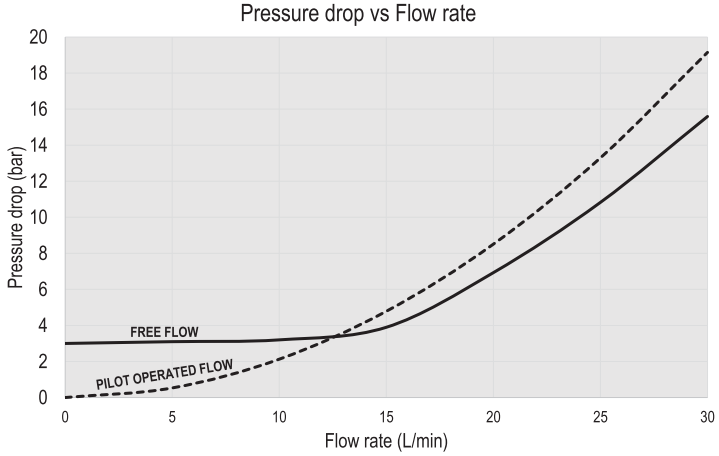
mm (Inches)

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER)		**B03D**
02	VERSIONE (VERSION)	Non Compensata (Not Compensated)	**N**
03	CAMPO DI TARATURA (SETTING RANGE)	Campo di Taratura (setting range) **60 ÷ 210 bar** (870 ÷ 3045 PSI) Taratura standard (Std. setting) * **210 bar @ 5 l/min** (3045 PSI @ 1.3 gpm)	**1**
		Campo di Taratura (setting range) **100 ÷ 350 bar** (1450 ÷ 5075 PSI) Taratura standard (Std. setting) * **350 bar @ 5 l/min** (5075 PSI @ 1.3 gpm)	**2**
04	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	Rp 4:1 **56 bar/al giro (Taratura std. a 210 bar)** (797 PSI/turn - std. Setting at 210 bar)	**4**
		Rp 4:1 **116 bar/al giro (Taratura std. a 350 bar)** (1785 PSI/turn - std. Setting at 350 bar)	
		Rp 8:1 **114 bar/al giro** (1653 PSI/turn)	**8**
		Rp 11,5:1 **153 bar/al giro** (2219 PSI/turn)	**A**
05	GUARNIZIONI (GASKETS)	NBR	**B**
		VITON	**V**
06	CORPO (BODY)	Double Acting	**L1**
07	MATERIALE (MATERIAL)	Acciaio + Zincatura (Steel + Zinc-plating)	**S**
		Acciaio + Zinco-nichel (Steel + Zinc-nickel)	**K**
		Alluminio (Aluminum)	**A**
08	ATTACCHI (PORTS)	BSPP 1/4	**G140**

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300037**

* PER TARATURE DIFFERENTI DALLO STD CONTATTARE UFFICIO COMMERCIALE
(FOR DIFFERENT SETTING OPTIONS CONTACT OUR CUSTOMER CARE)

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

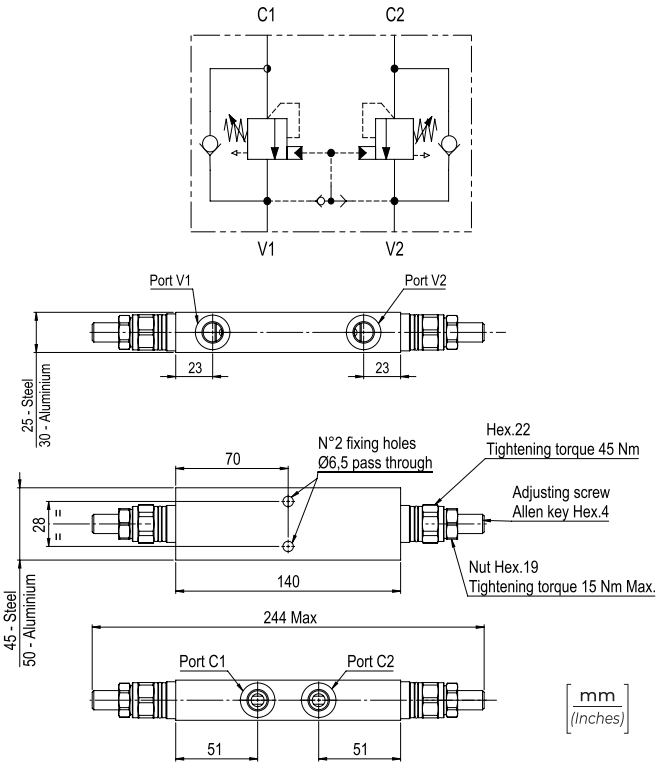
CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	**PORTATA MAX** (l/min) MAX FLOW (USgpm)	**PRESSIONE MAX** (bar) MAX PRESSURE (PSI)	**PESO APPROX** (kg) APPROX WEIGHT (lbt)
B03DN-L1	**30** (7.9)	**350** (5075)	**0,7** (15.4)

CODICE ORDINAZIONE
ORDERING CODE

01	02	03	04	05	06	07	08
B03D	**C**				**L1**		**G140**

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT

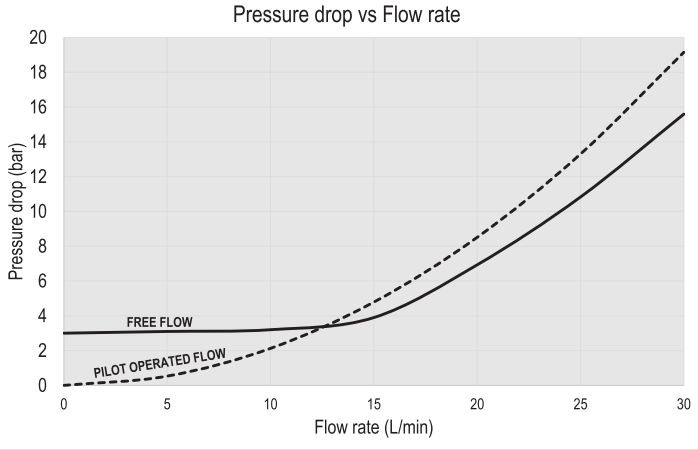


01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO CHIUSO (SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER)		**B03D**
02	VERSIONE (VERSION)	Compensata (Compensated)	**C**
03	CAMPO DI TARATURA (SETTING RANGE)	Campo di Taratura (setting range) **60 ÷ 210 bar** (870 ÷ 3045 PSI) Taratura standard (Std. setting) * **210 bar @ 5 l/min** (3045 PSI @ 1.3 gpm)	**1**
		Campo di Taratura (setting range) **100 ÷ 350 bar** (1450 ÷ 5075 PSI) Taratura standard (Std. setting) * **350 bar @ 5 l/min** (5075 PSI @ 1.3 gpm)	**2**
04	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	Rp 4:1 **56 bar/al giro (Taratura std. a 210 bar)** (797 PSI/turn - std. Setting at 210 bar)	**4**
		Rp 4:1 **116 bar/al giro (Taratura std. a 350 bar)** (1785 PSI/turn - std. Setting at 350 bar)	
		Rp 8:1 **114 bar/al giro** (1653 PSI/turn)	**8**
		Rp 11,5:1 **153 bar/al giro** (2219 PSI/turn)	**A**
05	GUARNIZIONI (GASKETS)	NBR	**B**
		VITON	**V**
06	CORPO (BODY)	Double Acting	**L1**
07	MATERIALE (MATERIAL)	Acciaio + Zincatura (Steel + Zinc-plating)	**S**
		Acciaio + Zinco-nichel (Steel + Zinc-nickel)	**K**
		Alluminio (Aluminum)	**A**
08	ATTACCHI (PORTS)	BSPP 1/4	**G140**

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300120**

* PER TARATURE DIFFERENTI DALLO STD CONTATTARE UFFICIO COMMERCIALE
(FOR DIFFERENT SETTING OPTIONS CONTACT OUR CUSTOMER CARE)

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**	
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	PESO APPROX (kg) APPROX WEIGHT (lbt)
B03DC-L1	**30** (7.9)	**350** (5075)	**0,7** (15.4)

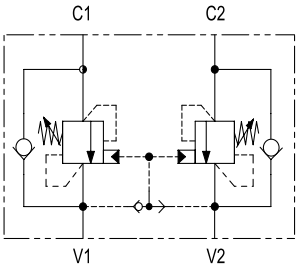
B03DN-F2

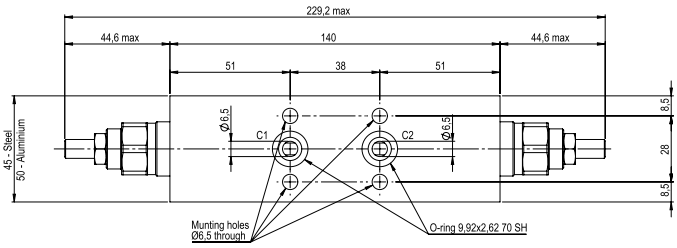
VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO APERTO - FLANGIATE
DOUBLE COUNTERBALANCE VALVES FOR OPEN CENTER - FLANGED VERSION

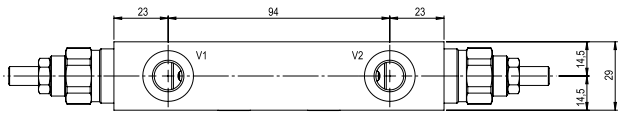
CODICE ORDINAZIONE / ORDERING CODE

01	02	03	04	05	06	07	08
B03D	**N**				**F2**		**G140**

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT





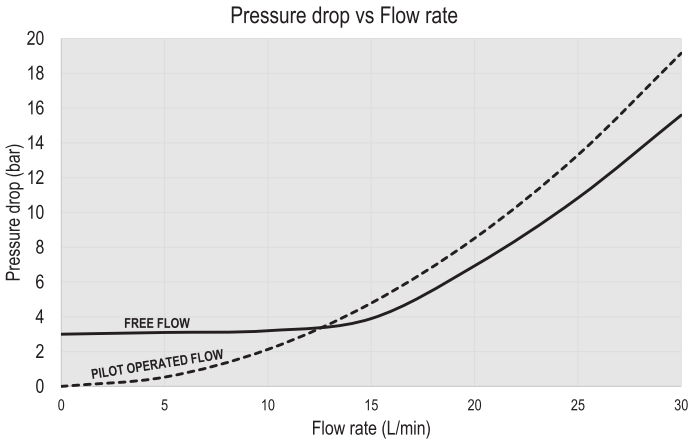


01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO FLANGIATE (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER FLANGED VERSION)		**B03D**
02	VERSIONE (VERSION)	Non Compensata (Not Compensated)	**N**
03	CAMPO DI TARATURA (SETTING RANGE)	Campo di Taratura (setting range) **60 ÷ 210 bar** (870 ÷ 3045 PSI) Taratura standard (Std. setting) * **210 bar @ 5 l/min** (3045 PSI @ 1.3 gpm)	**1**
		Campo di Taratura (setting range) **100 ÷ 350 bar** (1450 ÷ 5075 PSI) Taratura standard (Std. setting) * **350 bar @ 5 l/min** (5075 PSI @ 1.3 gpm)	**2**
04	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	Rp 4:1 **56 bar/al giro (Taratura std. a 210 bar)** (797 PSI/turn - std. Setting at 210 bar)	**4**
		Rp 4:1 **116 bar/al giro (Taratura std. a 350 bar)** (1785 PSI/turn - std. Setting at 350 bar)	
		Rp 8:1 **114 bar/al giro** (1653 PSI/turn)	**8**
		Rp 11,5:1 **153 bar/al giro** (2219 PSI/turn)	**A**
05	GUARNIZIONI (GASKETS)	NBR	**B**
		VITON	**V**
06	CORPO (BODY)	Coaxial Flanged Ø15	**F2**
07	MATERIALE (MATERIAL)	Acciaio + Zincatura (Steel + Zinc-plating)	**S**
		Acciaio + Zinco-nichel (Steel + Zinc-nickel)	**K**
		Alluminio (Aluminum)	**A**
08	ATTACCHI (PORTS)	BSPP 1/4	**G140**

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300037**

* PER TARATURE DIFFERENTI DALLO STD CONTATTARE UFFICIO COMMERCIALE
(FOR DIFFERENT SETTING OPTIONS CONTACT OUR CUSTOMER CARE)

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)	
Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

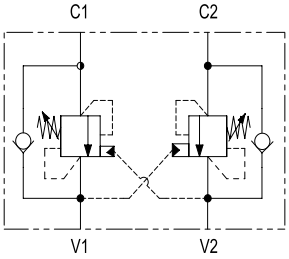
CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

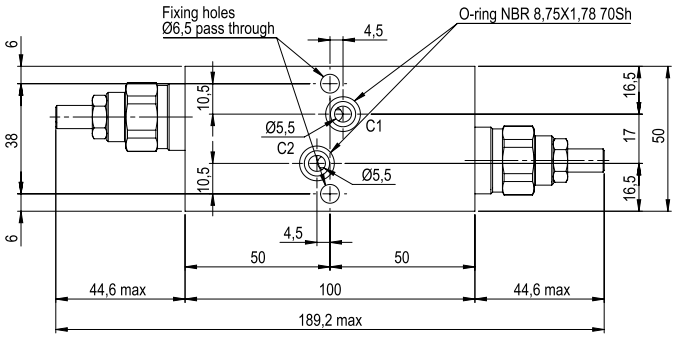
TIPO TYPE	**PORTATA MAX** (l/min) MAX FLOW (USgpm)	**PRESSIONE MAX** (bar) MAX PRESSURE (PSI)	**PESO APPROX** (kg) APPROX WEIGHT (lbt)
B03DN-F2	**30** (7.9)	**350** (5075)	**0,7** (15.4)

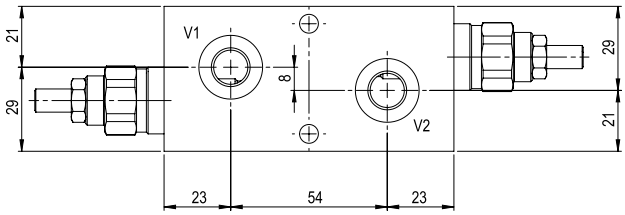
CODICE ORDINAZIONE / ORDERING CODE

01	02	03	04	05	06	07	08
B03S	**N**				**F3**		**G140**

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT





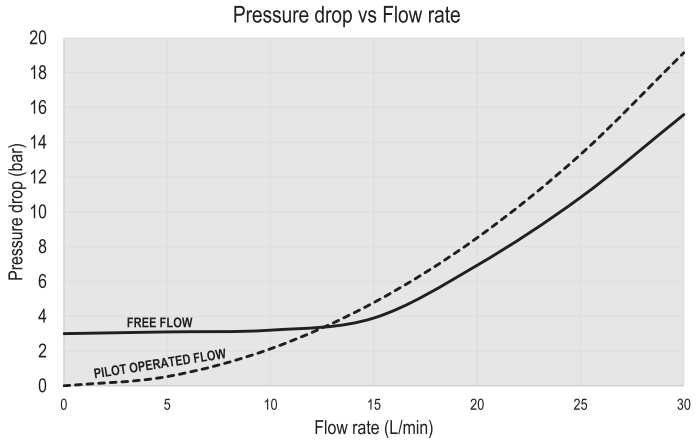


01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO - FLANGIATE (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER - FLANGED VERSION)		**B03S**
02	VERSIONE (VERSION)	Non Compensata (Not Compensated)	**N**
03	CAMPO DI TARATURA (SETTING RANGE)	Campo di Taratura (setting range) **60 ÷ 210 bar** (870 ÷ 3045 PSI) Taratura standard (Std. setting) * **210 bar @ 5 l/min** (3045 PSI @ 1.3 gpm)	**1**
		Campo di Taratura (setting range) **100 ÷ 350 bar** (1450 ÷ 5075 PSI) Taratura standard (Std. setting) * **350 bar @ 5 l/min** (5075 PSI @ 1.3 gpm)	**2**
04	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	Rp 4:1 **56 bar/al giro (Taratura std. a 210 bar)** (797 PSI/turn - std. Setting at 210 bar)	**4**
		Rp 4:1 **116 bar/al giro (Taratura std. a 350 bar)** (1785 PSI/turn - std. Setting at 350 bar)	
		Rp 8:1 **114 bar/al giro** (1653 PSI/turn)	**8**
		Rp 11,5:1 **153 bar/al giro** (2219 PSI/turn)	**A**
05	GUARNIZIONI (GASKETS)	NBR	**B**
		VITON	**V**
06	CORPO (BODY)	Non Coaxial Flanged Ø15	**F3**
07	MATERIALE (MATERIAL)	Acciaio + Zincatura (Steel + Zinc-plating)	**S**
		Acciaio + Zinco-nichel (Steel + Zinc-nickel)	**K**
		Alluminio (Aluminum)	**A**
08	ATTACCHI (PORTS)	BSPP 1/4	**G140**

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300037**

* PER TARATURE DIFFERENTI DALLO STD CONTATTARE UFFICIO COMMERCIALE
(FOR DIFFERENT SETTING OPTIONS CONTACT OUR CUSTOMER CARE)

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	PESO APPROX (kg) APPROX WEIGHT (lbt)
B03SN-F3	**30** (7.9)	**350** (5075)	**0,7** (15.4)

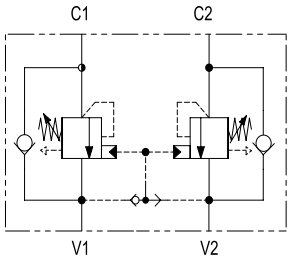
B03DC-F2

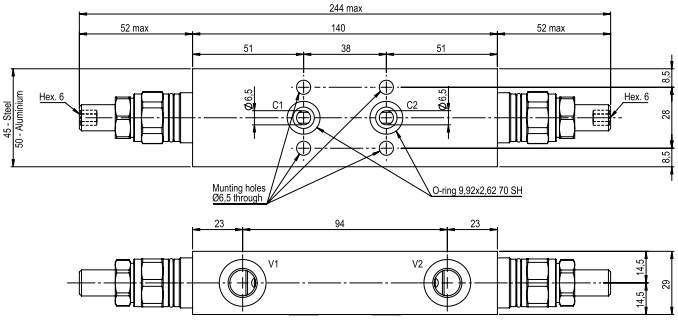
VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO CHIUSO - FLANGIATE
DOUBLE COUNTERBALANCE VALVES FOR CLOSED CENTER - FLANGED VERSION

CODICE ORDINAZIONE / ORDERING CODE

01	02	03	04	05	06	07	08
B03D	C				F2		G140

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT





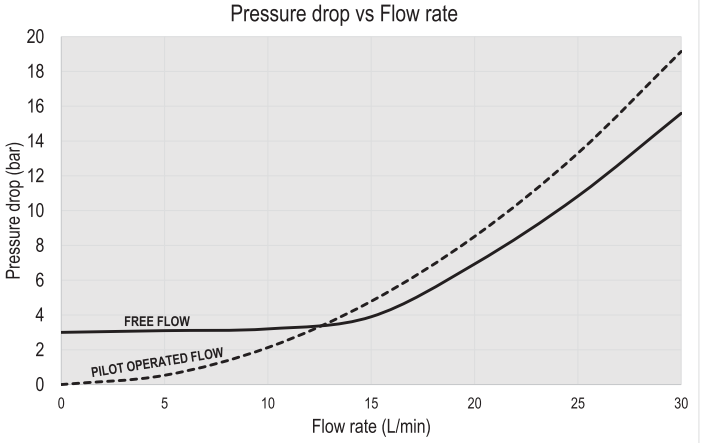
mm
(Inches)

01	VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO CHIUSO FLANGIATE (DOUBLE COUNTERBALANCE VALVES FOR CLOSED CENTER FLANGED VERSION)		**B03D**
02	VERSIONE (VERSION)	Compensata (Compensated)	**C**
03	CAMPO DI TARATURA (SETTING RANGE)	Campo di Taratura (setting range) **60 ÷ 210 bar** (870 ÷ 3045 PSI) Taratura standard (Std. setting) * **210 bar @ 5 l/min** (3045 PSI @ 1.3 gpm)	**1**
		Campo di Taratura (setting range) **100 ÷ 350 bar** (1450 ÷ 5075 PSI) Taratura standard (Std. setting) * **350 bar @ 5 l/min** (5075 PSI @ 1.3 gpm)	**2**
04	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	Rp 4:1 **56 bar/al giro (Taratura std. a 210 bar)** (797 PSI/turn - std. Setting at 210 bar)	**4**
		Rp 4:1 **116 bar/al giro (Taratura std. a 350 bar)** (1785 PSI/turn - std. Setting at 350 bar)	
		Rp 8:1 **114 bar/al giro** (1653 PSI/turn)	**8**
		Rp 11,5:1 **153 bar/al giro** (2219 PSI/turn)	**A**
05	GUARNIZIONI (GASKETS)	NBR	**B**
		VITON	**V**
06	CORPO (BODY)	Coaxial Flanged Ø15	**F2**
07	MATERIALE (MATERIAL)	Acciaio + Zincatura (Steel + Zinc-plating)	**S**
		Acciaio + Zinco-nichel (Steel + Zinc-nickel)	**K**
		Alluminio (Aluminum)	**A**
08	ATTACCHI (PORTS)	BSPP 1/4	**G140**

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300120**

* PER TARATURE DIFFERENTI DALLO STD CONTATTARE UFFICIO COMMERCIALE
(FOR DIFFERENT SETTING OPTIONS CONTACT OUR CUSTOMER CARE)

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	PESO APPROX (kg) APPROX WEIGHT (lbt)
B03DC-F2	**30** (7.9)	**350** (5075)	**0,7** (15.4)

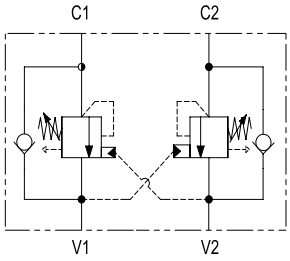
B03SC-F3

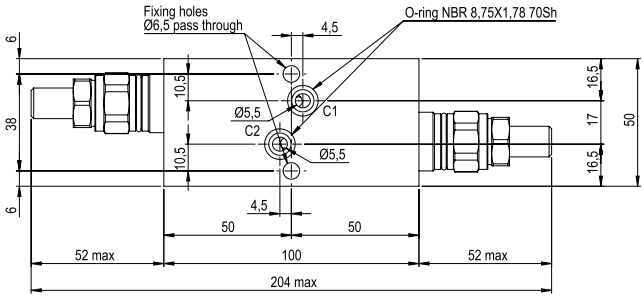
VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO CHIUSO - FLANGIATE
DOUBLE COUNTERBALANCE VALVES FOR CLOSED CENTER - FLANGED VERSION

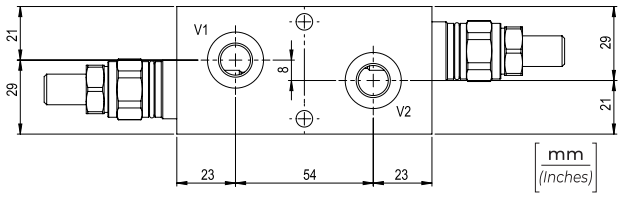
CODICE ORDINAZIONE
ORDERING CODE

01	02	03	04	05	06	07	08
B03S	**C**				**F3**		**G140**

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT





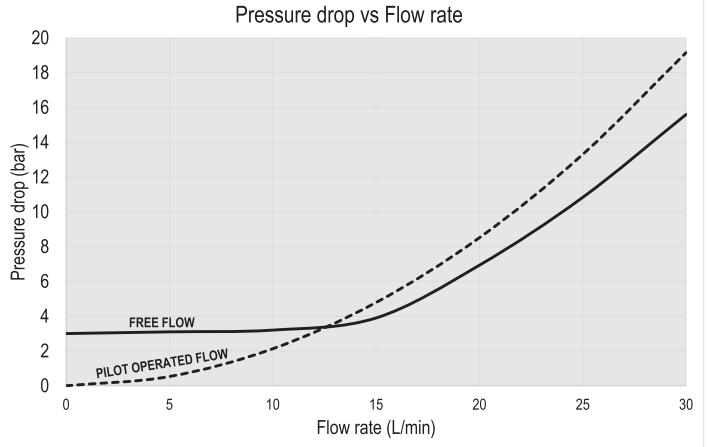


01	VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO CHIUSO FLANGIATE (DOUBLE COUNTERBALANCE VALVES FOR CLOSED CENTER FLANGED VERSION)		**B03S**
02	VERSIONE (VERSION)	Compensata (Compensated)	**C**
03	CAMPO DI TARATURA (SETTING RANGE)	Campo di Taratura (setting range) **60 ÷ 210 bar** (870 ÷ 3045 PSI) Taratura standard (Std. setting) * **210 bar @ 5 l/min** (3045 PSI @ 1.3 gpm)	**1**
		Campo di Taratura (setting range) **100 ÷ 350 bar** (1450 ÷ 5075 PSI) Taratura standard (Std. setting) * **350 bar @ 5 l/min** (5075 PSI @ 1.3 gpm)	**2**
04	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	Rp 4:1 **56 bar/al giro (Taratura std. a 210 bar)** (797 PSI/turn - std. Setting at 210 bar)	**4**
		Rp 4:1 **116 bar/al giro (Taratura std. a 350 bar)** (1785 PSI/turn - std. Setting at 350 bar)	
		Rp 8:1 **114 bar/al giro** (1653 PSI/turn)	**8**
		Rp 11,5:1 **153 bar/al giro** (2219 PSI/turn)	**A**
05	GUARNIZIONI (GASKETS)	NBR	**B**
		VITON	**V**
06	CORPO (BODY)	Non Coaxial Flanged Ø15	**F3**
07	MATERIALE (MATERIAL)	Acciaio + Zincatura (Steel + Zinc-plating)	**S**
		Acciaio + Zinco-nichel (Steel + Zinc-nickel)	**K**
		Alluminio (Aluminum)	**A**
08	ATTACCHI (PORTS)	BSPP 1/4	**G140**

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300120**

* PER TARATURE DIFFERENTI DALLO STD CONTATTARE UFFICIO COMMERCIALE
(FOR DIFFERENT SETTING OPTIONS CONTACT OUR CUSTOMER CARE)

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	**PORTATA MAX** (l/min) MAX FLOW (USgpm)	**PRESSIONE MAX** (bar) MAX PRESSURE (PSI)	**PESO APPROX** (kg) APPROX WEIGHT (lbt)
B03SC-F3	**30** (7.9)	**350** (5075)	**0,7** (15.4)

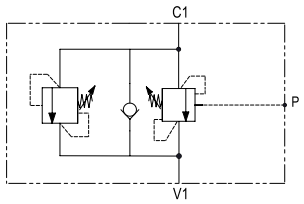
B03SN-PL

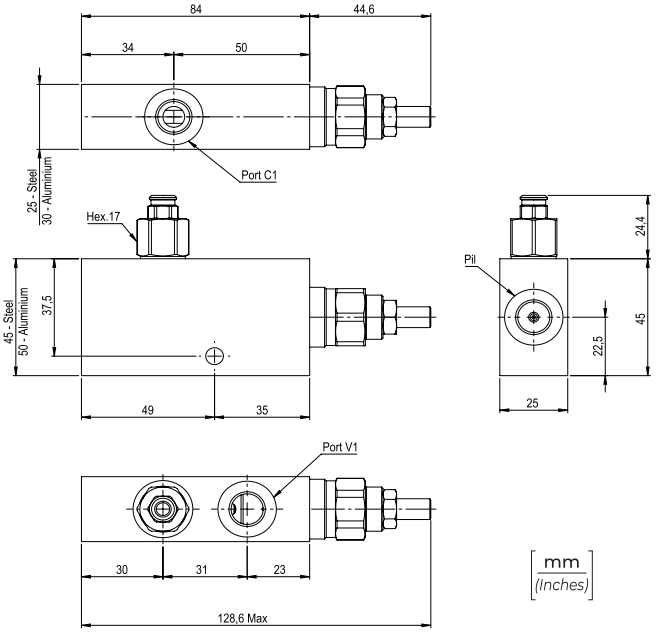
VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO CON LIMITATRICE
SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER WITH RELIEF

CODICE ORDINAZIONE
ORDERING CODE

01	02	03	04	05	06	07	08
B03S	**N**				**PL**		**G140**

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



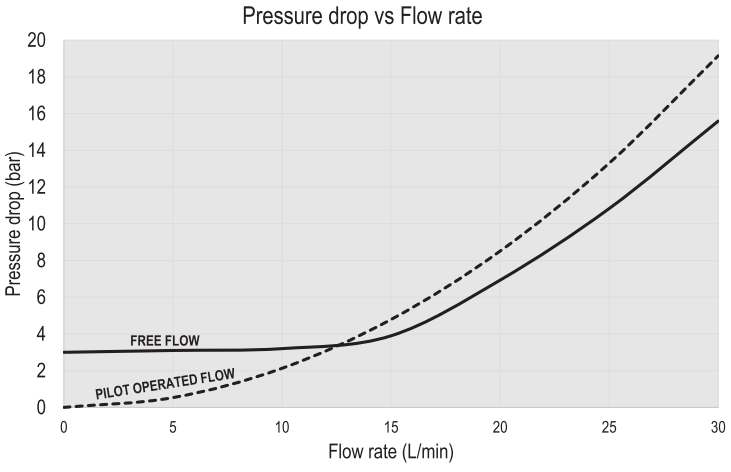


01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER)		**B03S**
02	VERSIONE (VERSION)	Non Compensata (Not Compensated)	**N**
03	CAMPO DI TARATURA (SETTING RANGE)	Campo di Taratura (setting range) **60 ÷ 210 bar** (870 ÷ 3045 PSI) Taratura standard (Std. setting) * **210 bar @ 5 l/min** (3045 PSI @ 1.3 gpm)	**1**
		Campo di Taratura (setting range) **100 ÷ 350 bar** (1450 ÷ 5075 PSI) Taratura standard (Std. setting) * **350 bar @ 5 l/min** (5075 PSI @ 1.3 gpm)	**2**
04	RAPPORTO DI PILOTAGGIO (PILOT RATIO)	Rp 4:1 **56 bar/al giro (Taratura std. a 210 bar)** (797 PSI/turn - std. Setting at 210 bar)	**4**
		Rp 4:1 **116 bar/al giro (Taratura std. a 350 bar)** (1785 PSI/turn - std.Setting at 350 bar)	
		Rp 8:1 **114 bar/al giro** (1653 PSI/turn)	**8**
		Rp 11,5:1 **153 bar/al giro** (2219 PSI/turn)	**A**
05	GUARNIZIONI (GASKETS)	NBR	**B**
		VITON	**V**
06	CORPO (BODY)	**Con Limititatrice di by-pass taratura std.** (With by-pass Relief std.setting)	**PL**
07	MATERIALE (MATERIAL)	Acciaio + Zincatura (Steel + Zinc-plating)	**S**
		Acciaio + Zinco-nichel (Steel + Zinc-nickel)	**K**
		Alluminio (Aluminum)	**A**
08	ATTACCHI (PORTS)	BSPP 1/4	**G140**

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300120**

* PER TARATURE DIFFERENTI DALLO STD CONTATTARE UFFICIO COMMERCIALE
(FOR DIFFERENT SETTING OPTIONS CONTACT OUR CUSTOMER CARE)

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)	
Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	**PORTATA MAX** (l/min) MAX FLOW (USgpm)	**PRESSIONE MAX** (bar) MAX PRESSURE (PSI)	**PESO APPROX** (kg) APPROX WEIGHT (lbt)
B03SN-Pl	**30** (7.9)	**350** (5075)	**0,7** (15.4)

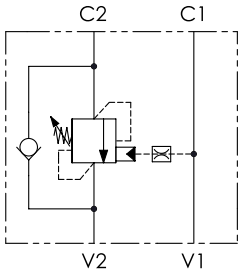
CODICE ORDINAZIONE / ORDERING CODE

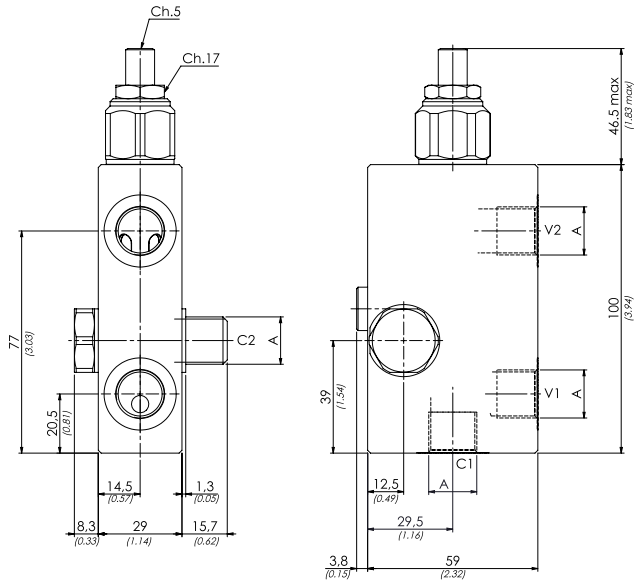
01	02	03	04	05
VBCB	**380**			

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**

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300095**

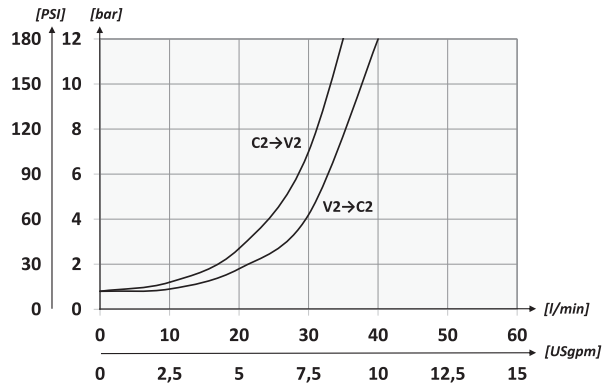
SCHEMA IDRAULICO / HYDRAULIC CIRCUIT





[mm / (Inches)]

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**	
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

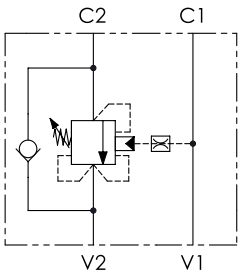
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm)
It is necessary a filter use to protect the valve (advised filtration 15 µm)

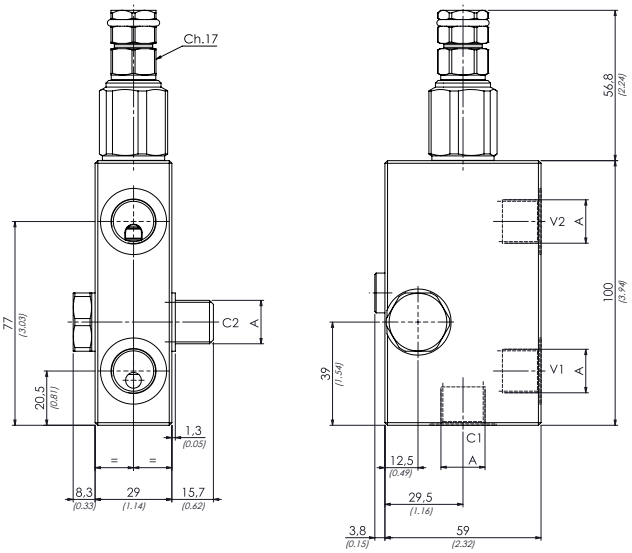
Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

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





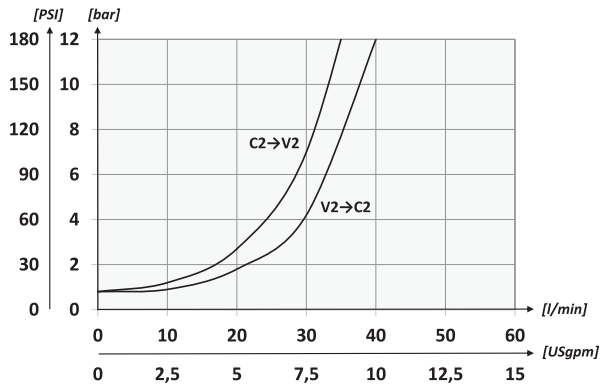
mm
(Inches)

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)				**VCCB**
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**
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 mm²/s** (15 to 250 cSt)	
Classe di contaminazione max Max contamination index	**ISO 4406:1999 Classe 18/16/13**	
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

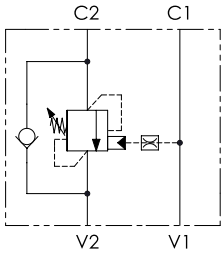
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm)
It is necessary a filter use to protect the valve (advised filtration 15 µm)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

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)

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



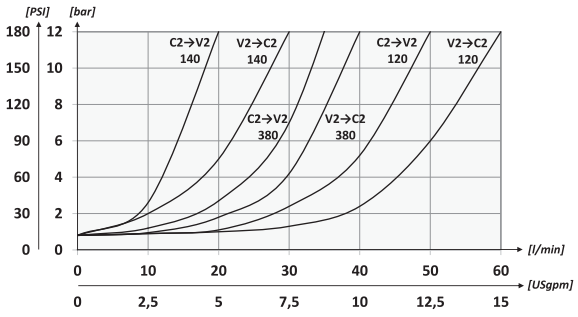
CODICE ORDINAZIONE
ORDERING CODE

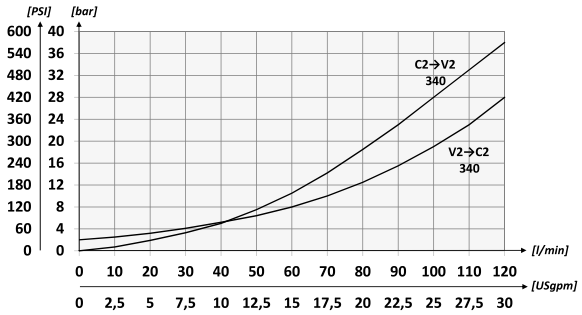
01	02	03	04	05
VBCL				

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	140	**78 bar/al giro** (1131 PSI/turn)	Taratura standard (Std. setting)	**1**
		Rp 1:8.75	380 120	**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	380 120	**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)	140 380 120	1:4.25 Standard			**/**
			1:8.75			**8**
		340	1:6.2			**/**
			1:10,6			**11**

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300095**

PERFORMANCES



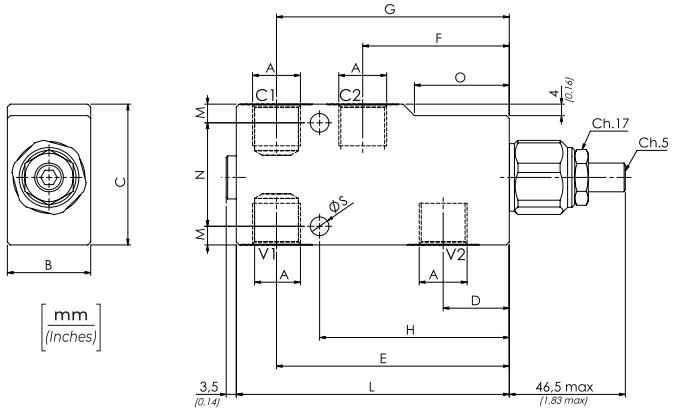


DATI TECNICI / TECHNICAL DATA

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min



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	O	S	PESO APPROX (kg) APPROX WEIGHT (lbt)
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)	**33** (1.30)	**6,5** (0.26)	**0,98** (2.16)
VBCL380	**BSPP 3/8**	**40** (10.6)														**0,92** (2.02)
VBCL120	**BSPP 1/2**	**60** (15.9)			**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)			**1,09** (2.40)
VBCL340	**BSPP 3/4**	**120** (31.7)		**39** (1.54)	**69** (2.72)	**20** (0.79)	**120** (4.72)	**72** (2.83)	**120** (4.72)	**96** (3.78)	**140** (5.51)		**50** (1.97)	**45** (1.77)	**10,5** (0.41)	**2,54** (5.59)

VBCL-SAE

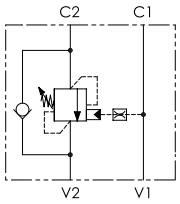
VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO
SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER

CODICE ORDINAZIONE / ORDERING CODE

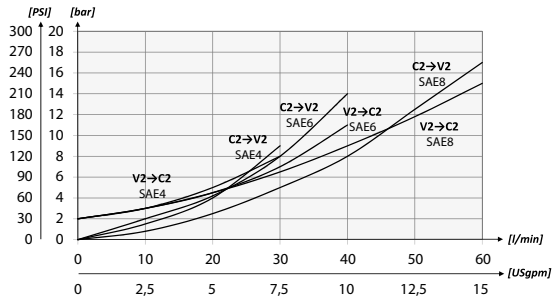
01	02	03	04	05
VBCL				

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) **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

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



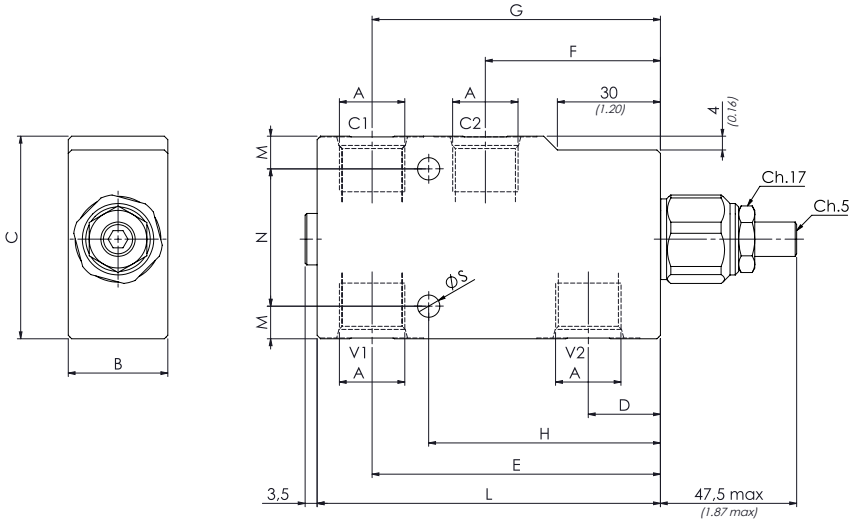
PERFORMANCES



Opzione: Tappo piombatura - Optional: Tamper proof cap **81300095**

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)	
Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min



mm
(Inches)

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

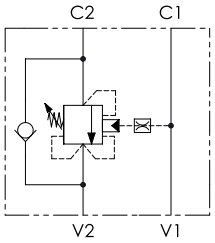
TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	M	N	O	S	PESO APPROX APPROXWEIGHT kg-lbt
VBCL4	7/16-20UNF	30 (7.9)	350 (5075)	29 (1.14)	49 (1.93)	23 (0.91)	81 (3.19)	51 (2,01)	81 (3.19)	66 (2.60)	95 (3.74)	6,5 (0.26)	36 (1.42)	33 (1.30)	6,5 (0.26)	1 (2.20)
VBCL6	9/16-18UNF	40 (10.6)														0,97 (2.14)
VBCL8	3/4-16UNF	60 (15.9)			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)			1,16 (2.56)

CODICE ORDINAZIONE / ORDERING CODE

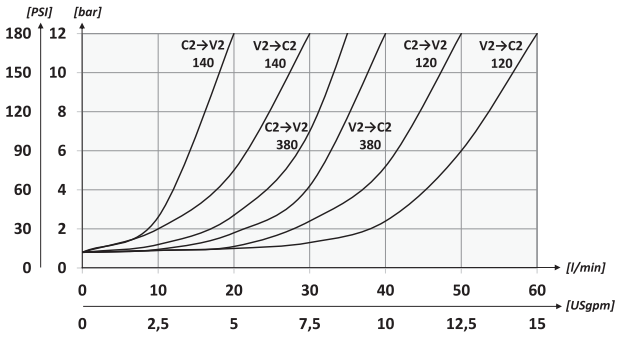
01	02	03	04	05
VCCL			S	

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

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES

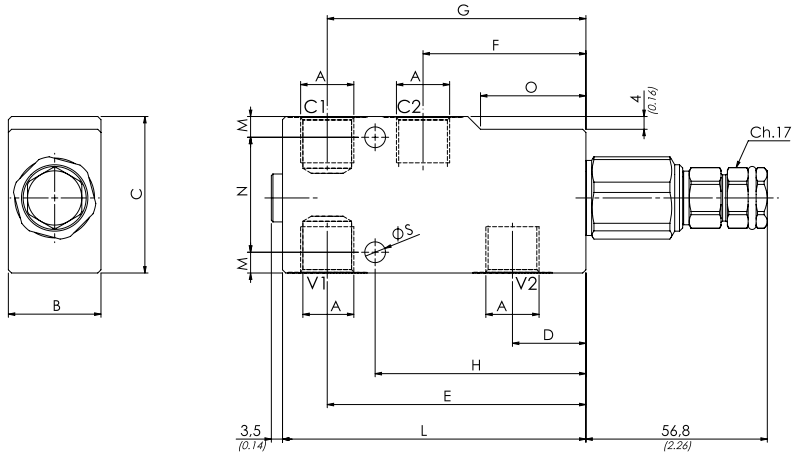


DATI TECNICI / TECHNICAL DATA

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min



mm (Inches)

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	O	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)	33 (1.30)	6,5 (0.26)	1,02 (2.24)
VCCL380	BSPP 3/8	40 (10.6)														0,98 (2.16)
VCCL120	BSPP 1/2	60 (15.9)			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)			1,15 (2.53)

VCCL-SAE

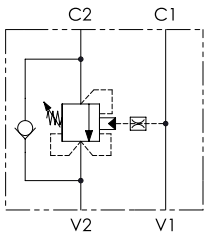
VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO CHIUSO
SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER

CODICE ORDINAZIONE / ORDERING CODE

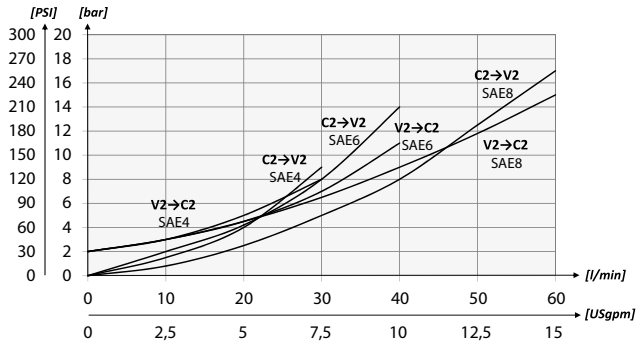
01	02	03	04	05
VCCL			S	

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO CHIUSO (SINGLE COUNTERBALANCE VALVES FOR CLOSED CENTER)				**VCCL**
02	DIMENSIONE (SIZE)		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) **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**

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES

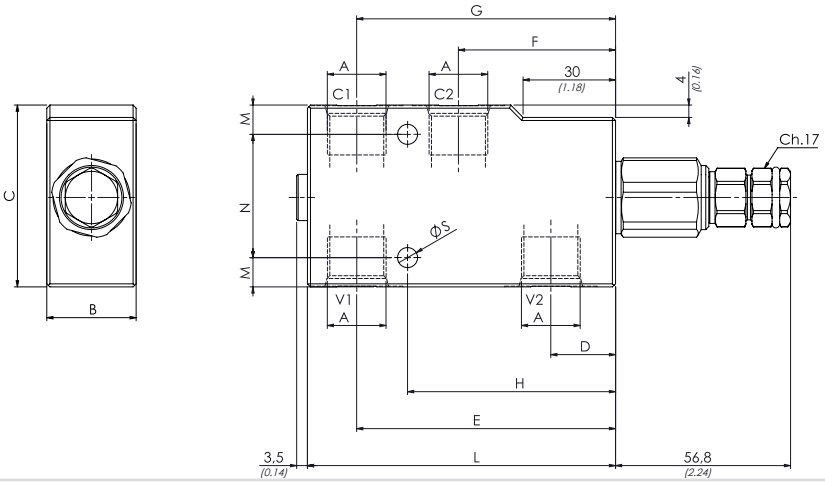


DATI TECNICI / TECHNICAL DATA

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min



mm
(Inches)

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

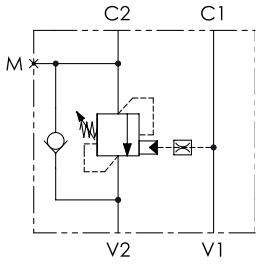
TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	M	N	O	S	PESO APPROX APPROX WEIGHT kg-lbt
VCCL4	**7/16-20UNF**	**30** (7.9)	**350** (5075)	**29** (1.14)	**49** (1.93)	**23** (0.91)	**81** (3.19)	**51** (2,01)	**81** (3.19)	**66** (2.60)	**95** (3.74)	**6,5** (0.26)	**36** (1.42)	**33** (1.30)	**6,5** (0.26)	**1,02** (2.24)
VCCL6	**9/16-18UNF**	**40** (10.6)														**0,98** (2.16)
VCCL8	**3/4-16UNF**	**60** (15.9)			**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)			**1,15** (2.53)

CODICE ORDINAZIONE / ORDERING CODE

01	02	03	04	05
VBLP				

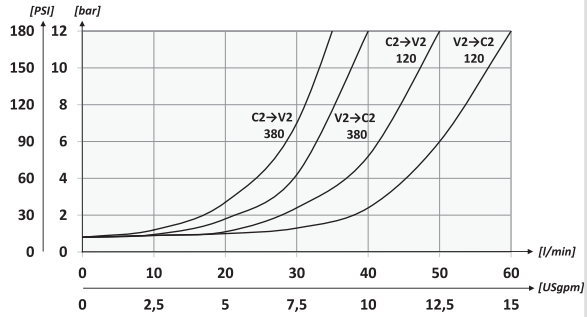
01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER)				**VBLP**
02	DIMENSIONE (SIZE)		BSPP 3/8		**380**
			BSPP 1/2		**120**
03	**MOLLA 30/210 BAR** (SPRING 435/3045 PSI)	Rp 1:4.25	**78 bar/al giro** (1131 PSI/turn)	Taratura standard (Std. setting)	**1**
		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**
			Acciaio + zinco-nichel (Steel + zinc-nickel)		**K**
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)		1:4.25 Standard		**/**
			1:8.75		**8**

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



Opzione: Tappo piombatura - Optional: Tamper proof cap **81300095**

PERFORMANCES

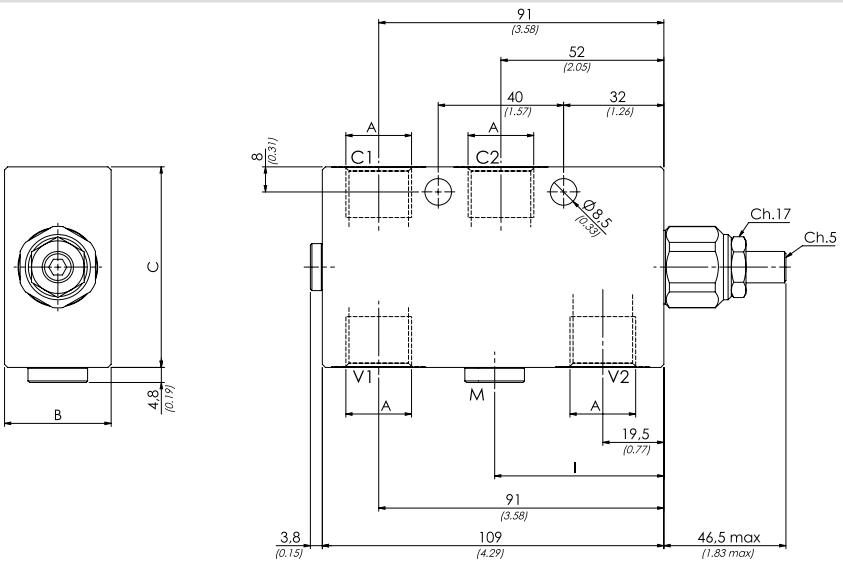


DATI TECNICI / TECHNICAL DATA

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min



mm (Inches)

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

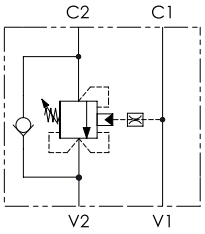
TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	B	C	I	M	PESO APPROX (kg) APPROX WEIGHT (lbt)
VBLP380	**BSPP 3/8**	**40** (10.6)	**350** (5075)	**29** (1.14)	**54** (2.13)	/	/	**1,21** (2.63)
VBLP120	**BSPP 1/2**	**60** (15.9)		**34** (1.34)	**64** (2.52)	**54**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

CODICE ORDINAZIONE / ORDERING CODE

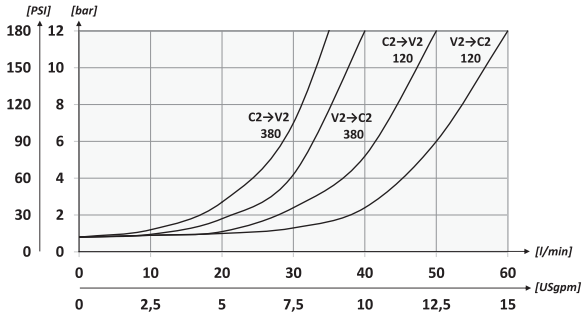
01	02	03	04	05
VCLP			S	

01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO CHIUSO (SINGLE COUNTERBALANCE VALVES FOR CLSOED 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) 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 + zinc-plating)		S
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)		1:4.25 Standard		/
			1:8.75		8

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES

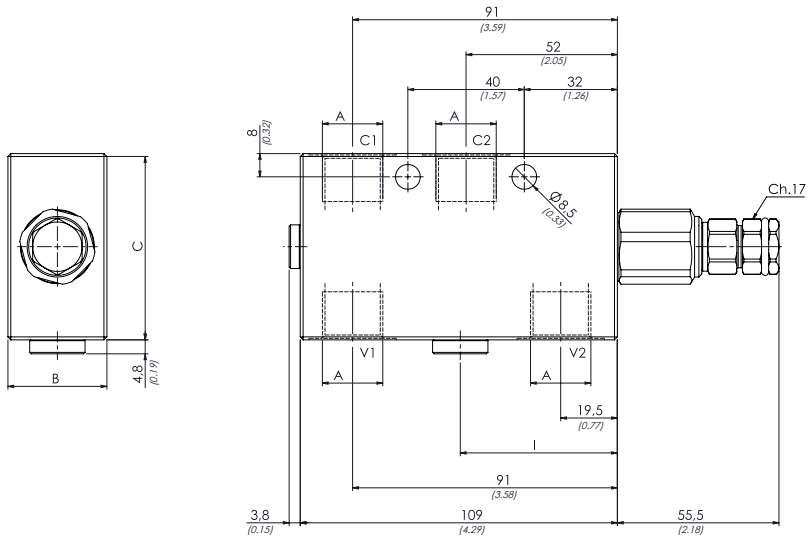


DATI TECNICI / TECHNICAL DATA

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

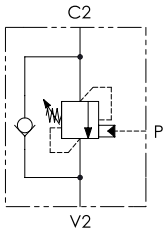


mm
(Inches)

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 (lbt)
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

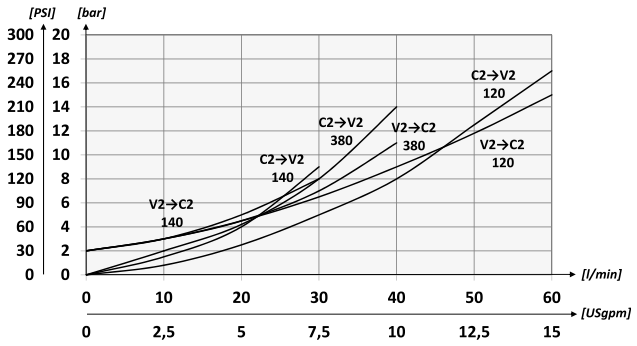


CODICE ORDINAZIONE
ORDERING CODE

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**

PERFORMANCES



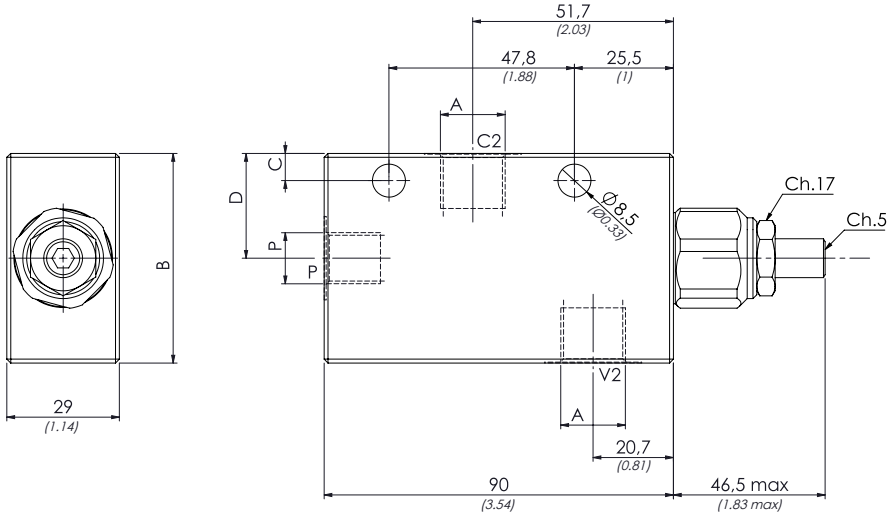
Opzione: Tappo piombatura - Optional: Tamper proof cap **81300095**

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min



CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

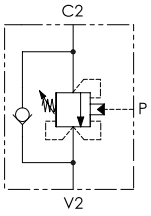
TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	B	C	D	A	P	PESO APPROX (kg) APPROX WEIGHT (lbt)
VBCR140	**BSPP 1/4**	**30** (7.9)	**350** (5075)	**54** (2.13)	**7** (0.28)	**27** (1.06)	**BSPP 1/4**	**BSPP 1/4**	**1,06** (2.33)
VBCR380	**BSPP 3/8**	**40** (10.6)					**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)

CODICE ORDINAZIONE / ORDERING CODE

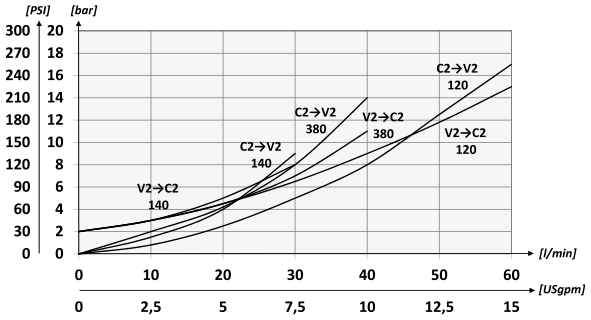
01	02	03	04	05
VCCR			S	

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)	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 body + zinc-plating)		S
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)		1:4.25 Standard		/
			1:8.75		8

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES

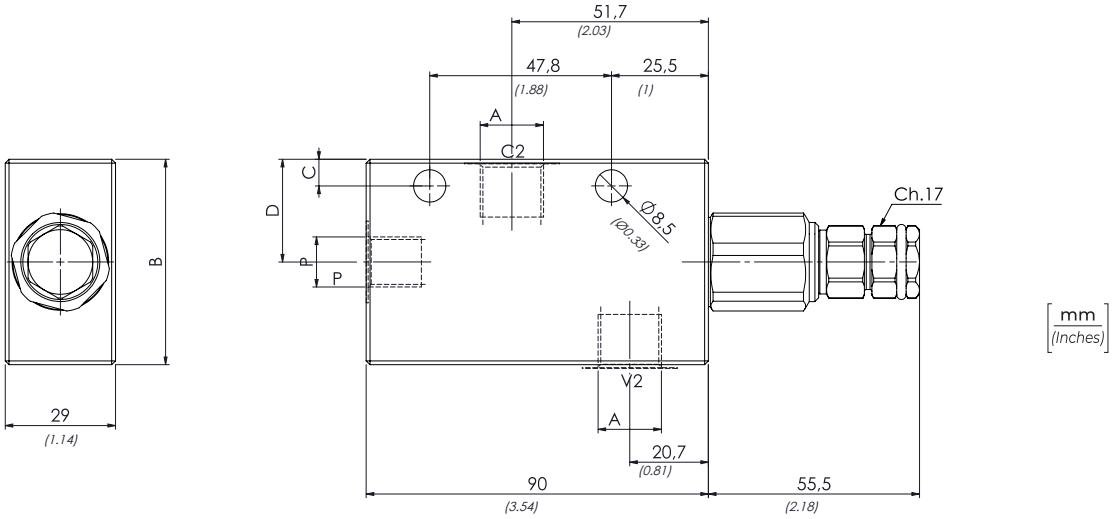


DATI TECNICI / TECHNICAL DATA

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

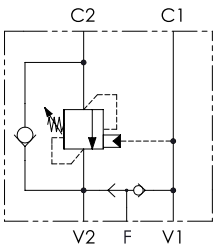
Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min



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)		64 (2.52)	11 (0.43)	32 (1.26)	BSPP 1/2		1,59 (3.46)

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



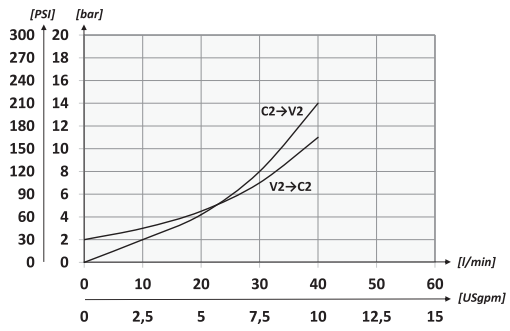
CODICE ORDINAZIONE / ORDERING CODE

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)	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
			Acciaio + zinco-nichel (Steel + zinc-nickel)		K
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)		1:4.25 Standard		/

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300095**

PERFORMANCES

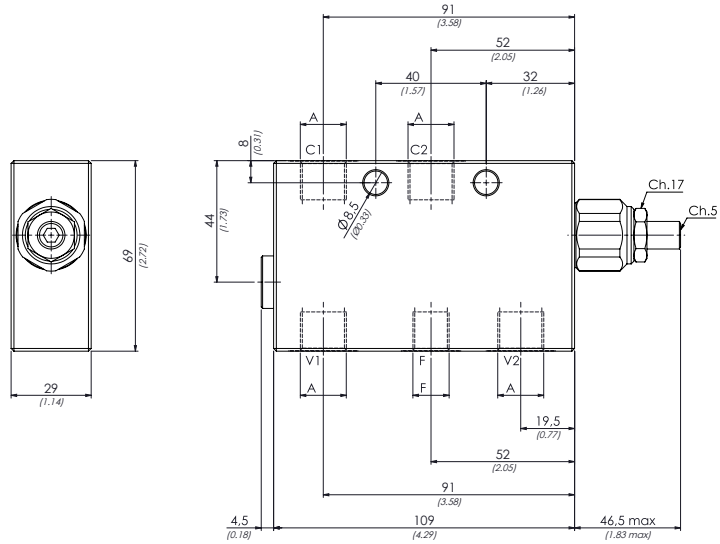


DATI TECNICI / TECHNICAL DATA

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

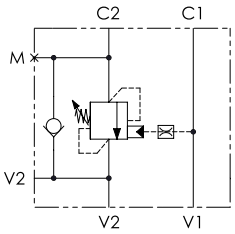


[mm / (Inches)]

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 (lbt)
VBFP380	**BSPP 3/8**	**40** (10.6)	**350** (5075)	**BSPP 3/8**	**BSPP 1/4**	**1,51** (3.33)

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



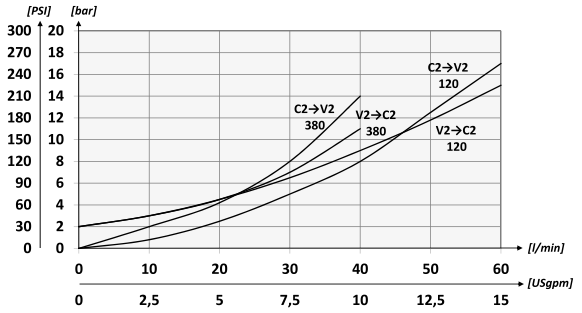
CODICE ORDINAZIONE
ORDERING CODE

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) **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**

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300095**

PERFORMANCES

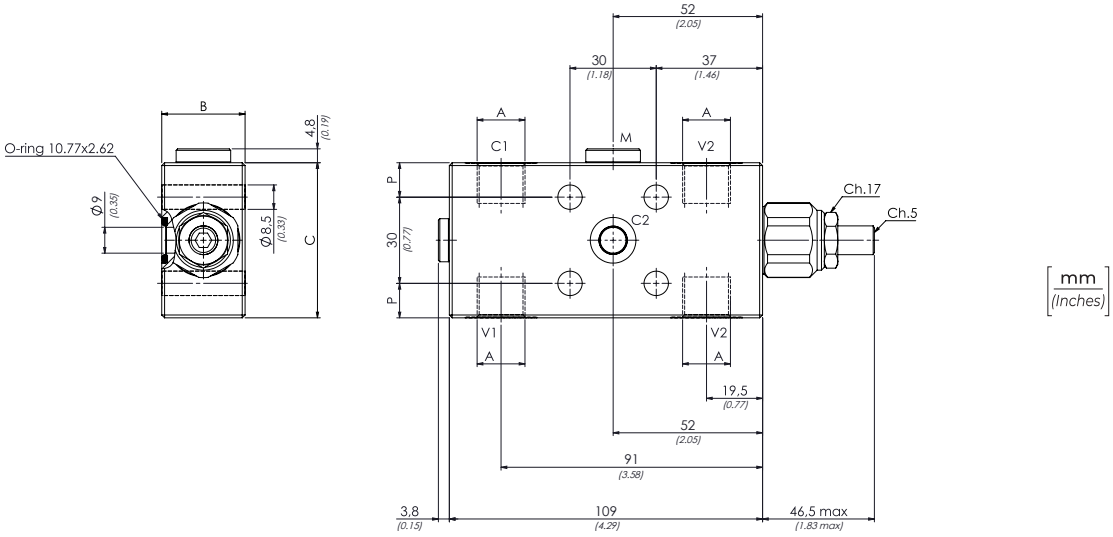


DATI TECNICI / TECHNICAL DATA

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

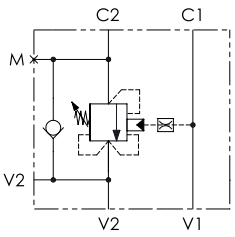
Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min



[mm / (Inches)]

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)

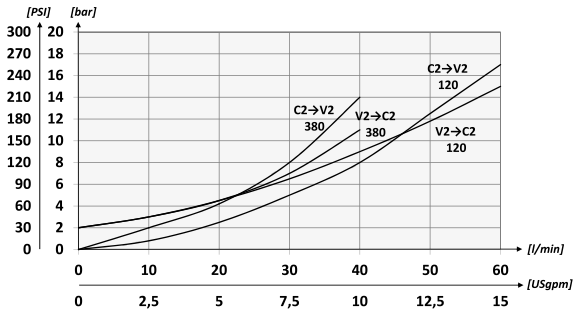


CODICE ORDINAZIONE

01	02	03	04	05
VCLH			S	

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) 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

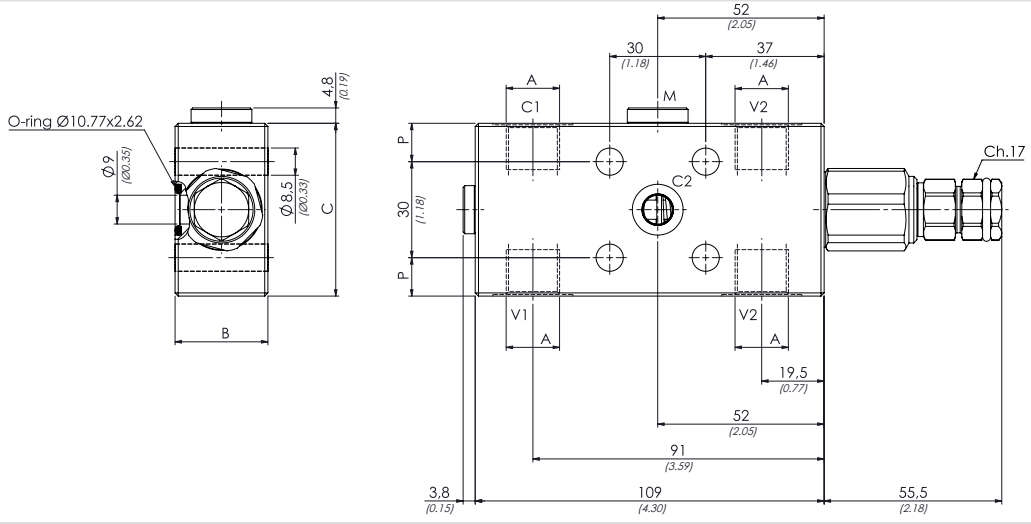
PERFORMANCES



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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

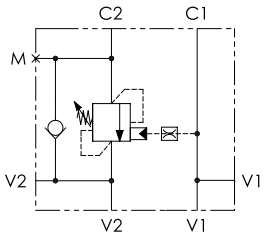


TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	B	C	M	P	PESO APPROX (kg) APPROX WEIGHT (lbt)
VCLH380	BSPP 3/8	40 (10.6)	350 (5075)	29 (1.14)	54 (2.13)	BSPP 1/4	12 (0.47)	1,23 (2.85)
VCLH120	BSPP 1/2	60 (15.9)		34 (1.34)	64 (2.52)		17 (0.67)	1,62 (3.61)

VBLF

VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO - FLANGIATA DOPPIA
SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER - DOUBLE FLANGED VERSION

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



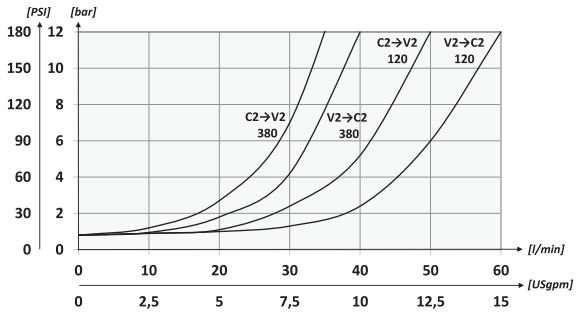
CODICE ORDINAZIONE
ORDERING CODE

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) **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**

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300095**

PERFORMANCES

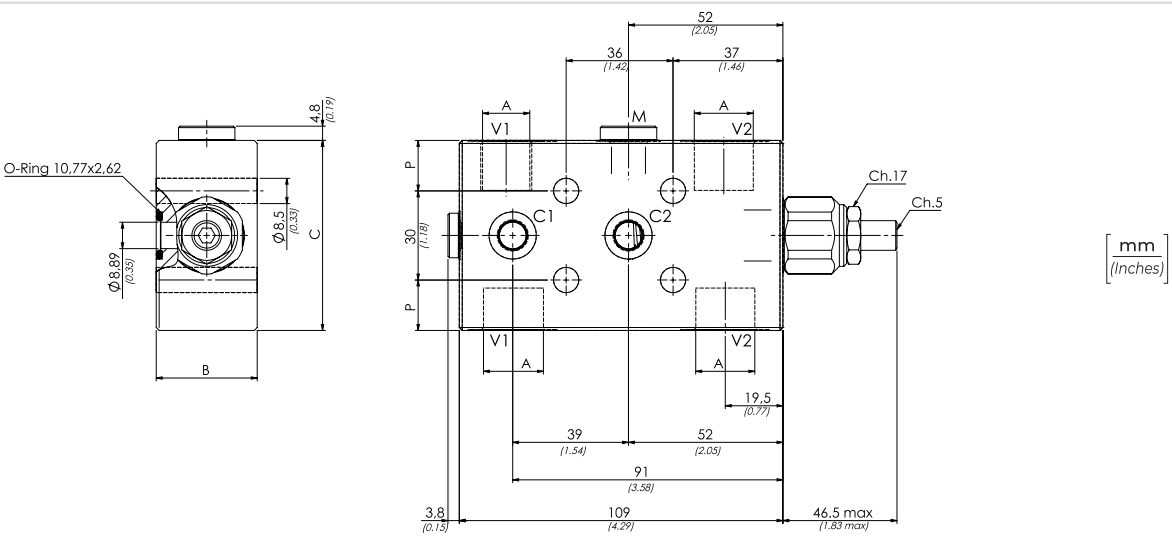


DATI TECNICI / TECHNICAL DATA

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min



CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

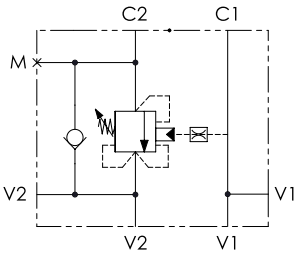
TIPO TYPE	A	PORTATA MAX (l/min) MAX FLOW (USgpm)	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	B	C	M	P	PESO APPROX (kg) APPROX WEIGHT (lbt)
VBLF380	**BSPP 3/8**	**40** (10.6)	**350** (5075)	**29** (1.14)	**54** (2.13)	**BSPP 1/4**	**12** (0.47)	**1,17** (2.55)
VBLF120	**BSPP 1/2**	**60** (15.9)		**34** (1.34)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

CODICE ORDINAZIONE / ORDERING CODE

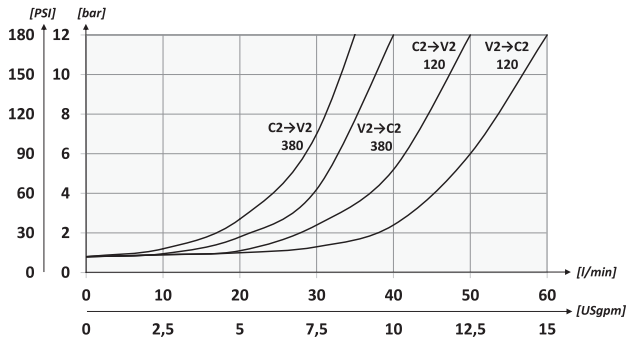
01	02	03	04	05
VCLF			S	

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) 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

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES

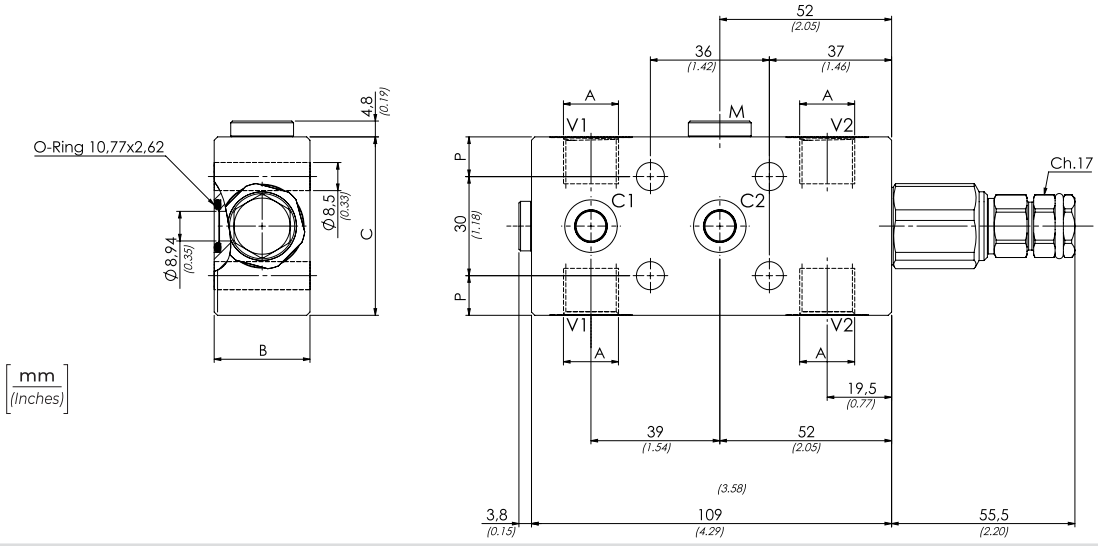


DATI TECNICI / TECHNICAL DATA

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

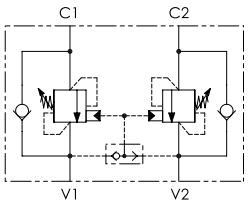
Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min



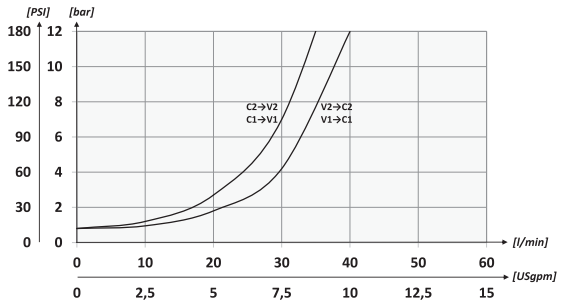
CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

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

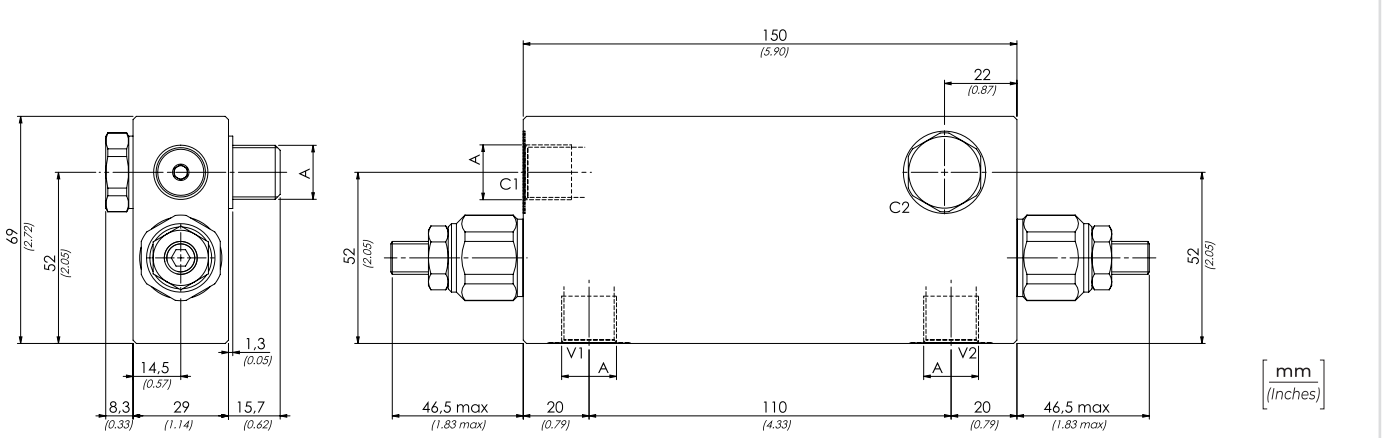


CODICE ORDINAZIONE / ORDERING CODE

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**

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300095**



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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**	
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

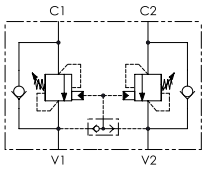
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm)
It is necessary a filter use to protect the valve (advised filtration 15 µm)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

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)

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



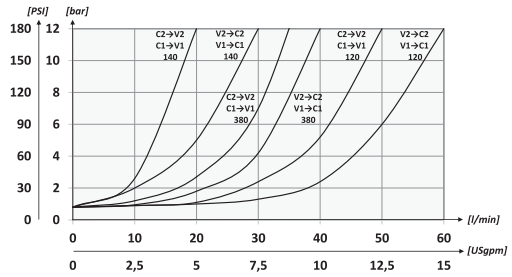
CODICE ORDINAZIONE / ORDERING CODE

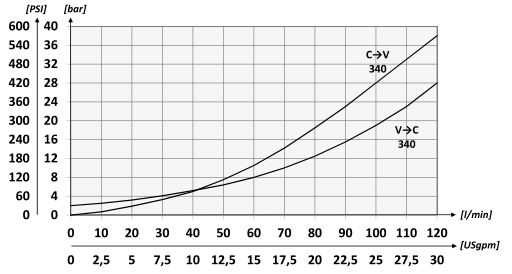
01	02	03	04	05
VBCD				

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) 30/210 bar (435/3045 PSI)	Rp 1:4.25	140 380 120	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	140 380 120	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)	
	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 giroa (3509 PSI/turn)	Q=5 l/min 350 bar (5075 PSI)	
04	MATERIALE (MATERIAL)		Acciaio + zincatura (Steel + zinc-plating)			S
			Aciaio + zinco-nichel (Steel + zinc-nickel)			K
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)		140 380 120	1:4.25 Standard		/
				1:8.75		8
			340	1:6.2		/
				1:10,6		11

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300095**

PERFORMANCES



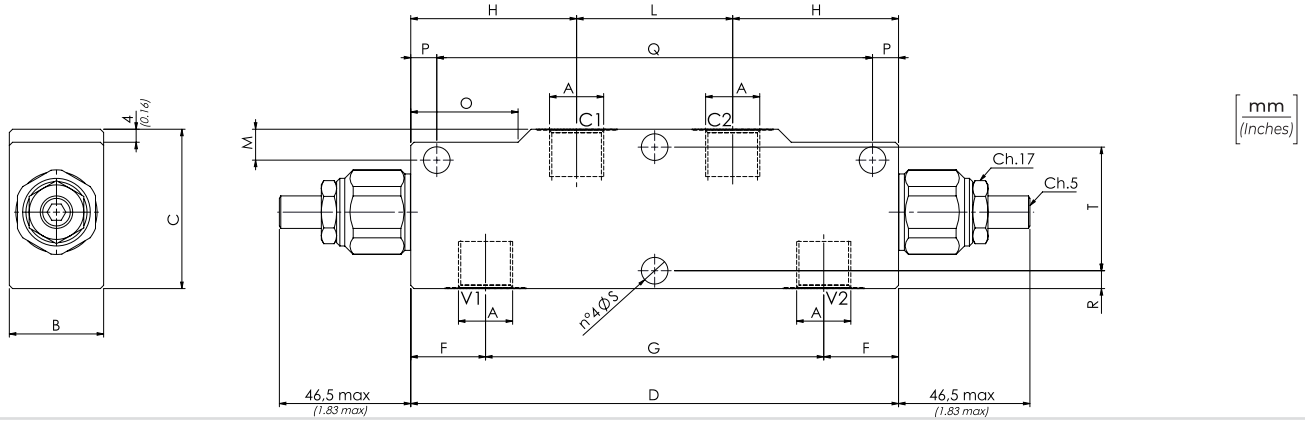


DATI TECNICI / TECHNICAL DATA

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min



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	O	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)	**33** (1.30)	**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)																**1,55** (3,41)
VBCD120	**BSPP 1/2**	**60** (15.9)			**59** (2.32)		**21** (0.83)	**108** (4.25)			**12** (0.47)				**7,5** (0.29)		**43** (1.69)	**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)	**45** (1.77)	**10** (0.39)	**190** (7.48)	**8,5** (0.33)	**10,5** (0.41)	**52** (2.05)	**4,5** (8,81)

VBCD-SAE

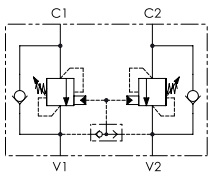
VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO APERTO
DOUBLE COUNTERBALANCE VALVES FOR OPEN CENTER

CODICE ORDINAZIONE / ORDERING CODE

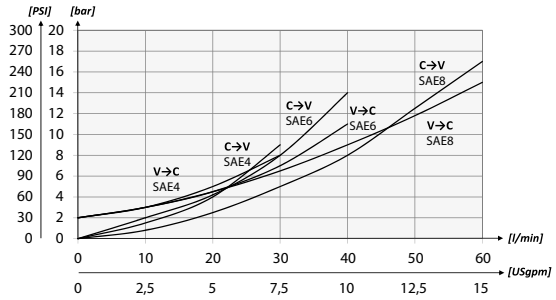
01	02	03	04	05
VBCD				

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) **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

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



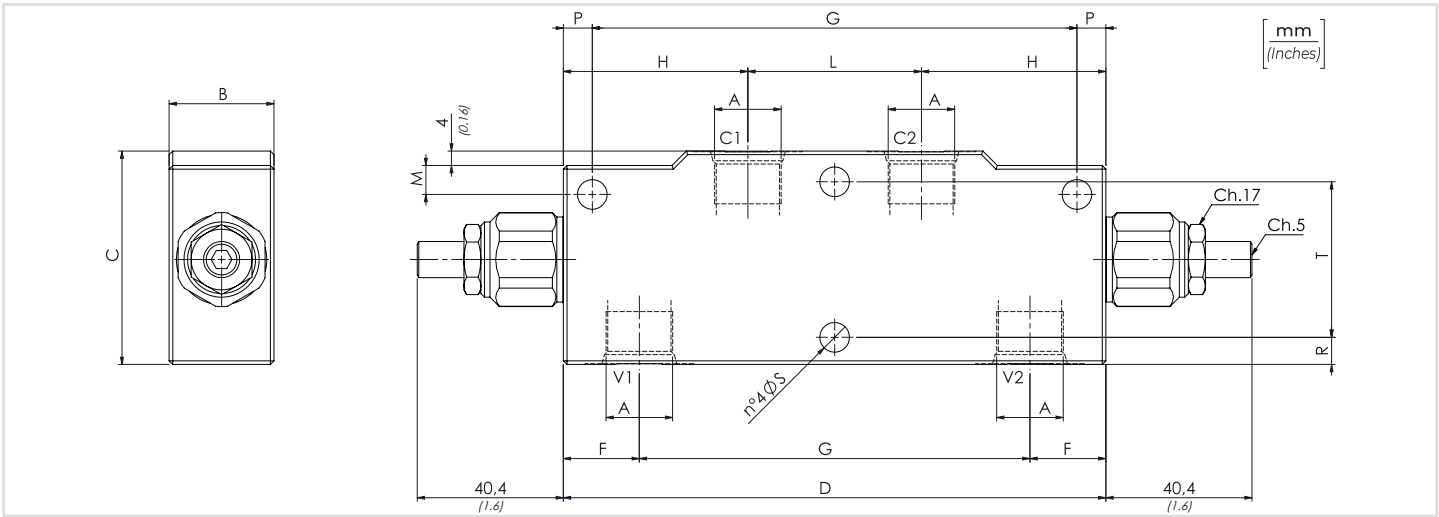
PERFORMANCES



Opzione: Tappo piombatura - Optional: Tamper proof cap **81300095**

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)	
Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min



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	O	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)	33 (1.30)	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)															(1.30)
VBCD8	3/4-16UNF	60 (15.9)			59 (2.32)		21 (0.83)	134 (5.27)			8 (0.31)			7,5 (0.29)		43 (1.69)	1,80 (3.97)

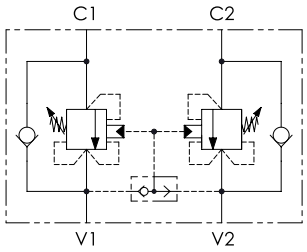
VBCC VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO CHIUSO
DOUBLE COUNTERBALANCE VALVES FOR CLOSED CENTER

CODICE ORDINAZIONE / ORDERING CODE

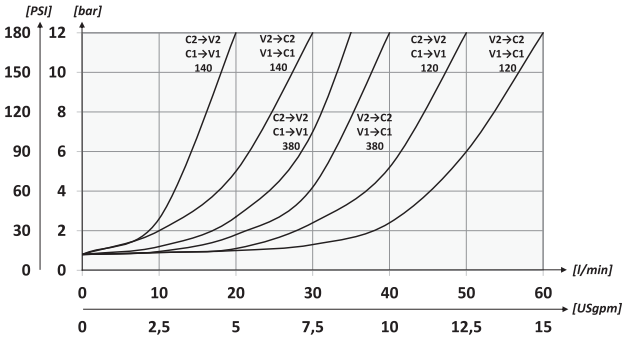
01	02	03	04	05
VBCC			S	

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) **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

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES

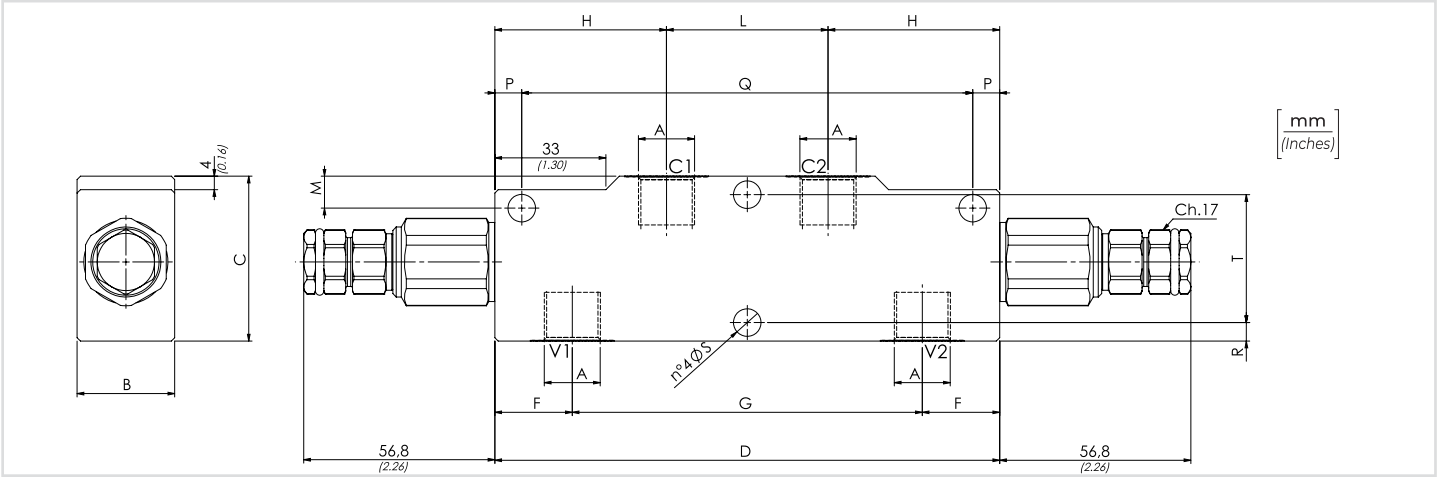


DATI TECNICI / TECHNICAL DATA

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

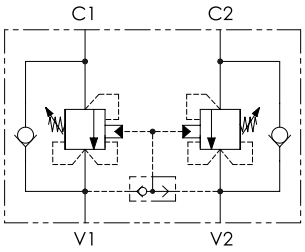
Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min



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	O	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)	**33** (1.30)	**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)																**1,66** (3.66)
VBCC120	BSPP 1/2	**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

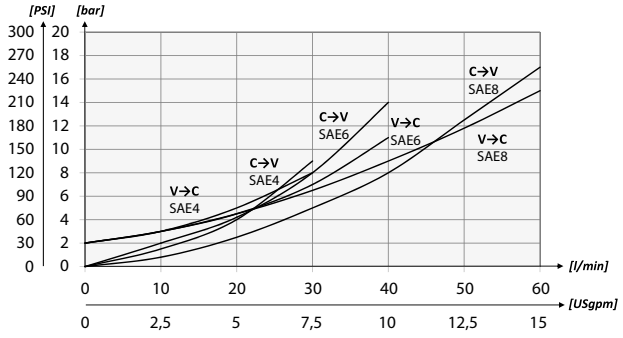


CODICE ORDINAZIONE
ORDERING CODE

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)		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) **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**

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)

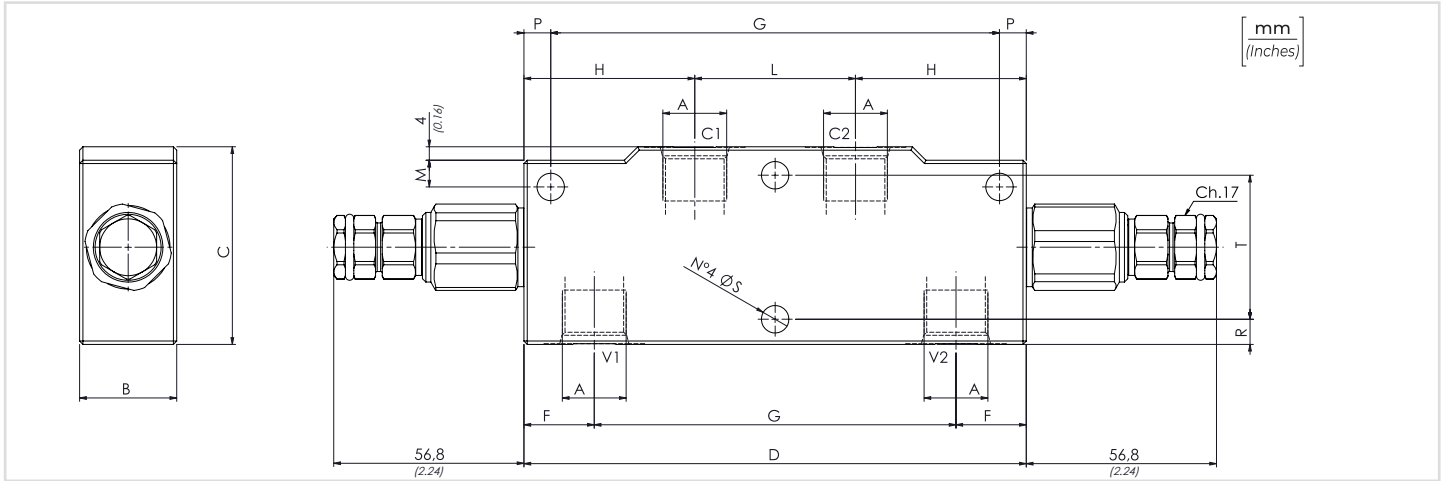
Classe di contaminazione max — **ISO 4406:1999 Classe 18/16/13**
Max contamination index

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)

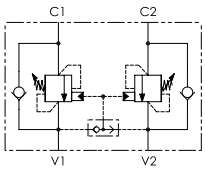
Trafilamento@46cSt & 200 bar — **0,25 cm³/min - 5 gocce/min**
Leakage@46cSt & 200 bar — 0,015 in³/min - 5 drops/min



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	O	P	Q	R	S	T	PESO APPROX APPROX WEIGHT kg-lbt
VBCC4	**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)	**33** (1.30)	**8** (0.31)	**134** (5.28)	**5,5** (0.22)	**8,2** (0.32)	**38** (1.50)	**1,68** (3.70)
VBCC6	**9/16-18UNF**	**40** (10.5)																**1,66** (3.66)
VBCC8	**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

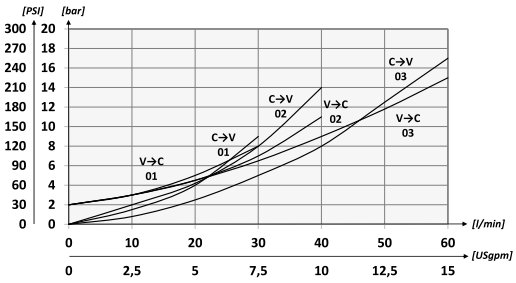


CODICE ORDINAZIONE
ORDERING CODE

01	02	03	04	05
S0VBCD				

01	VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO APERTO (DOUBLE COUNTERBALANCE VALVES FOR OPEN CENTER)				S0VBCD
02	DIMENSIONE SIZE		BSPP 1/4		01
			BSPP 3/8		02
			BSPP 1/2		03
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
			Aciaio + zinco-nichel / Steel + zinc-nickel		K
05	RAPPORTO DI PILOTAGGIO PILOT RATIO	140	1:4.25 Standard		/
			1:8.75		8

PERFORMANCES



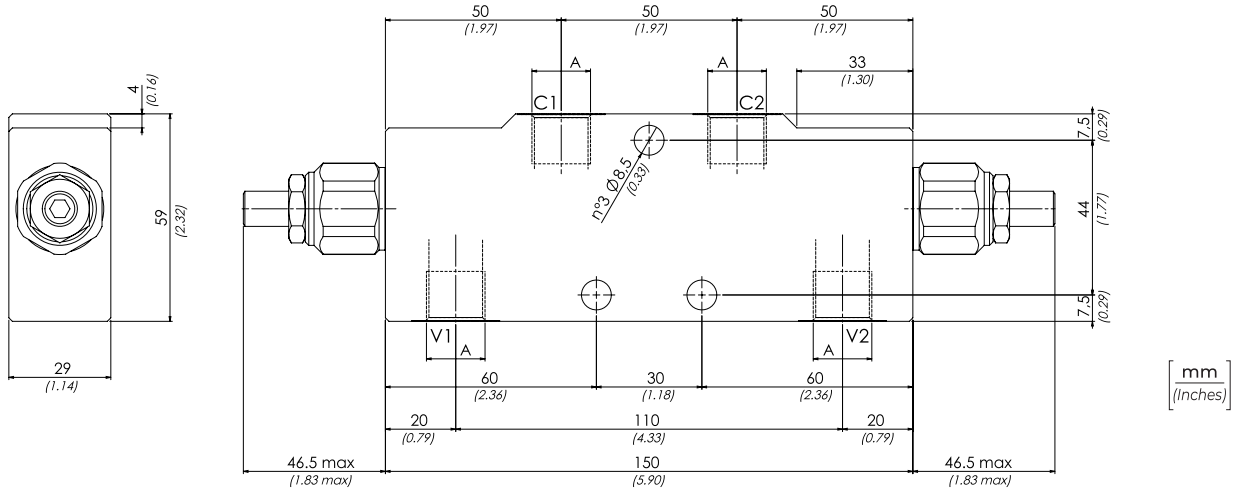
Opzione: Tappo piombatura - Optional: Tamper proof cap **81300095**

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

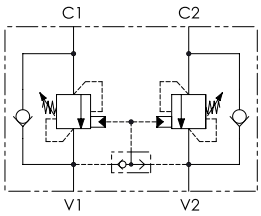
Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min



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
S0VBCD01	BSPP 1/4	30 (7.9)	350 (5075)	1,91 (4.21)
S0VBCD02	BSPP 3/8	40 (10.6)		1,86 (4.10)
S0VBCD03	BSPP 1/2	60 (15.9)		1,80 (3.77)

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



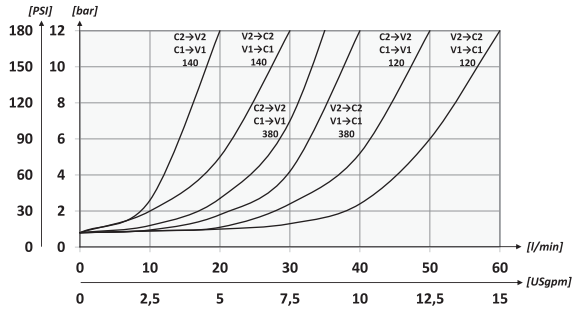
CODICE ORDINAZIONE
ORDERING CODE

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**
			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**
			Acciaio + zinco-nichel (Steel + zinc-nickel)		**K**
05	RAPPORTO DI PILOTAGGIO (PILOT RATIO)		1:4.25 Standard		**/**
			1:8.75		**8**

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300095**

PERFORMANCES

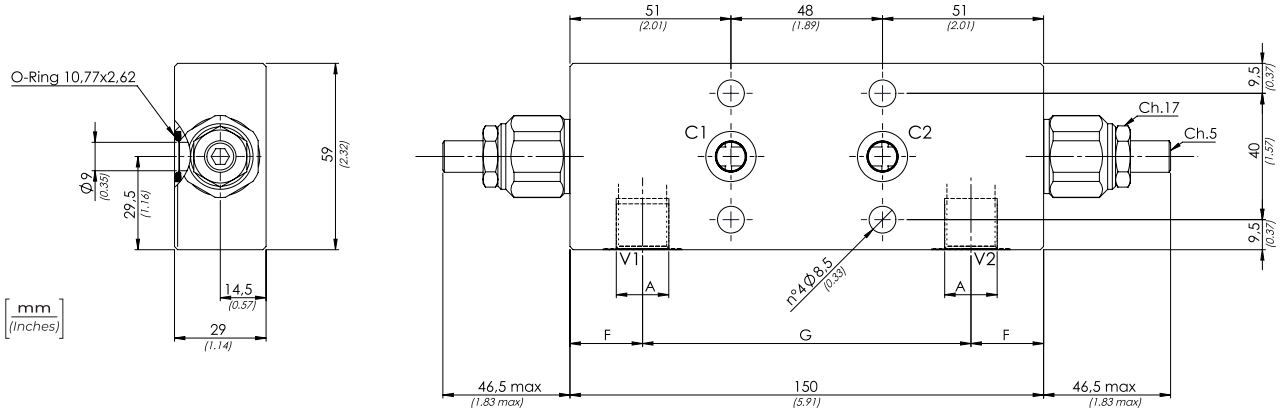


DATI TECNICI / TECHNICAL DATA

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

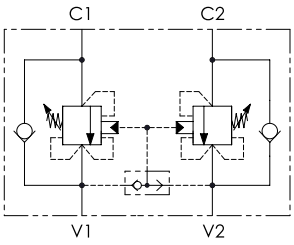
Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min



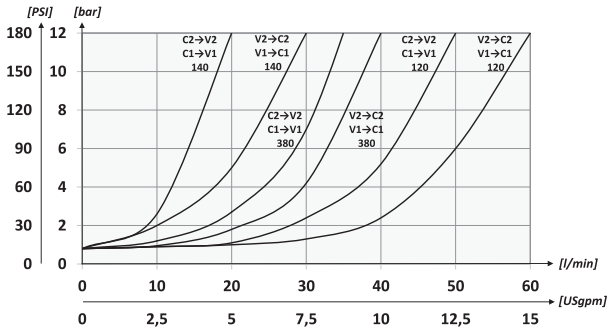
CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

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



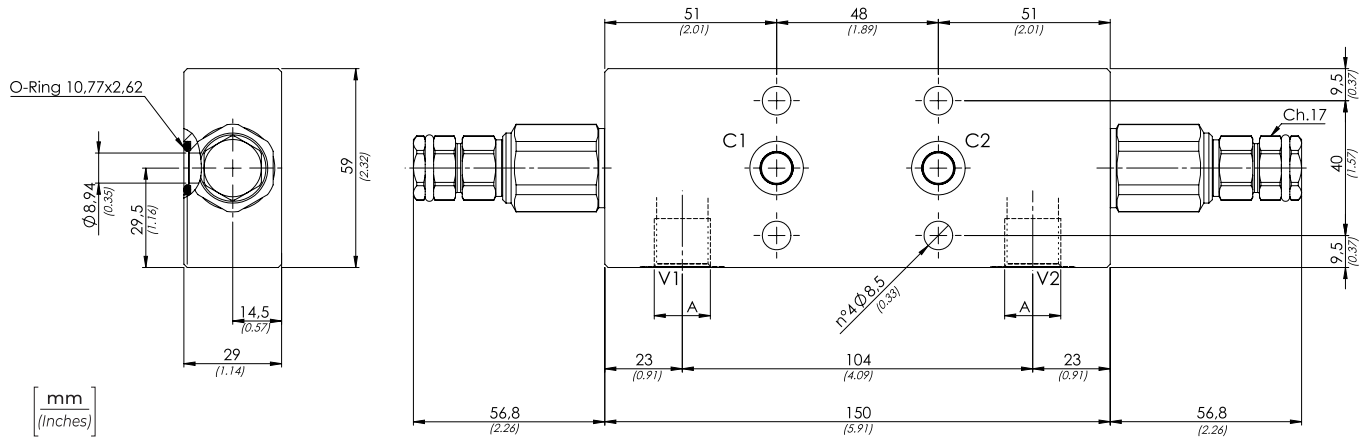
PERFORMANCES



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)	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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**	
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

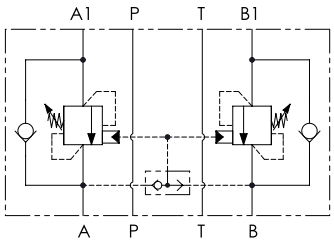
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm)
It is necessary a filter use to protect the valve (advised filtration 15 µm)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**	
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

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)

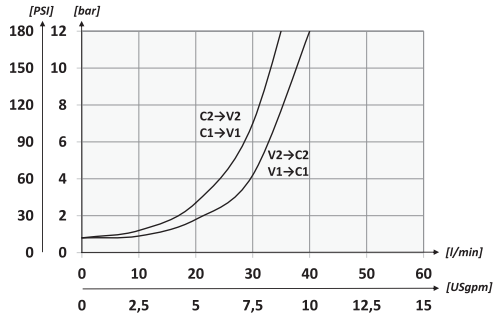
CODICE ORDINAZIONE / ORDERING CODE

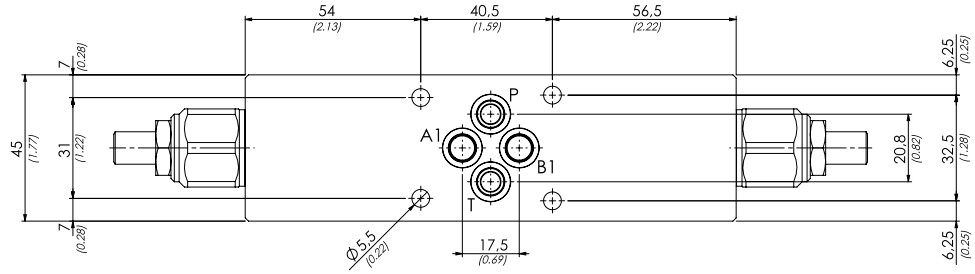
01	02	03	04	05
VBCS06		**S**		

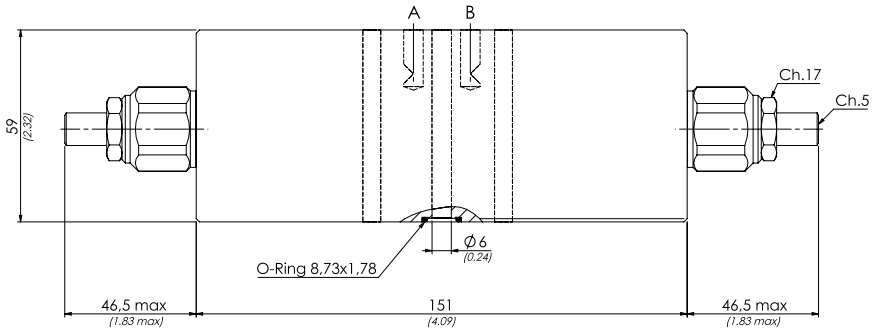
01	VALVOLE DI BILANCIAMENTO MODULARI CETOP3 DOPPIE PER CENTRO APERTO (**DOUBLE** CETOP3 MODULAR COUNTERBALANCE VALVES FOR OPEN CENTER)				**VBCS06**
02	MOLLA (SPRING) **30/210 bar** (435/3045 PSI)	Rp 1:4.25	**78 bar/al giro** (1131 PSI/turn)	Taratura standard (Std. setting) **Q=5 l/min 200 bar** (2900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

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300095**

PERFORMANCES

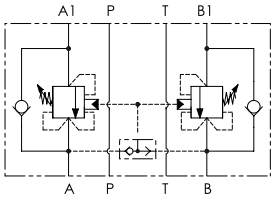






[mm (Inches)]

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**	
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

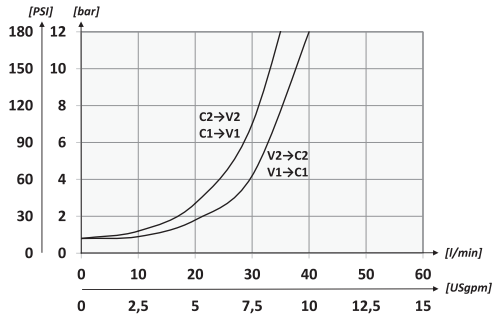
TIPO TYPE	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX APPROX WEIGHT kg-lbt
VBCT06	**40** (10.6)	**350** (5075)	**3,10** (6.9)

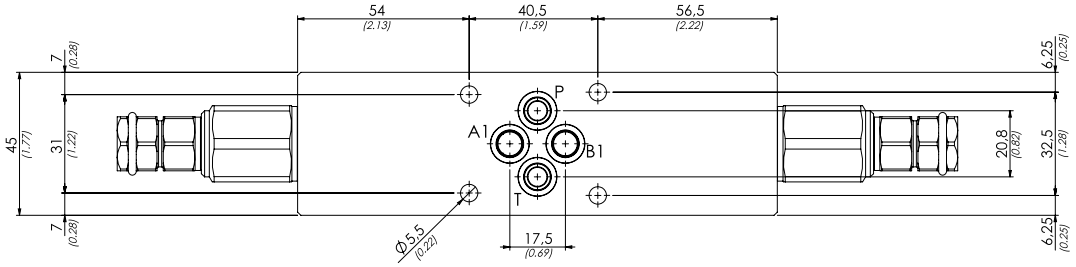
CODICE ORDINAZIONE / ORDERING CODE

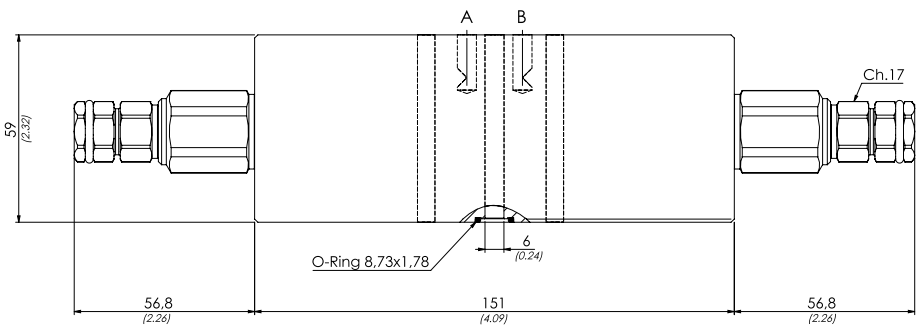
01	02	03	04	05
VBCT06		**S**		

01	VALVOLE DI BILANCIAMENTO MODULARI CETOP3 DOPPIE PER CENTRO CHIUSO (DOUBLE CETOP3 MODULAR COUNTERBALANCE VALVES FOR CLOSED CENTER)				**VBCT06**
02	MOLLA (SPRING) **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)		
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)]

VBCFE

VALVOLE DI BILANCIAMENTO DOPPIE PER SBLOCCO FRENO
DOUBLE COUNTERBALANCE VALVES FOR BREAK RELEASE

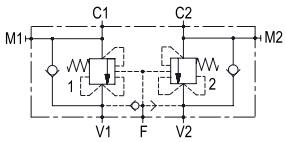
CODICE ORDINAZIONE
ORDERING CODE

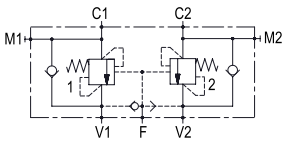
01	02	03	04	05	06
VBCFE	120				

01	VALVOLE DI BILANCIAMENTO DOPPIE PER SBLOCCO FRENO (DOUBLE COUNTERBALANCE VALVES FOR BRAKE RELEASE)				VBCFE
02	DIMENSIONE ATTACCHI (PORTS DIMENSION)		BSPP 1/2		120
03	TIPOLOGIA (TYPE)		Centro Aperto - Semi Compensata (Open Center - Semicompensated)		-
			Centro Chiuso - Non Compensata (Closed Center - Not compensated)		C
04	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)		
		Rp 1:11	**153 bar/al giro** (2219 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)		
05	TRATTAMENTO SUPERFICIALE (SURFACE TREATMENT)		Zincatura CRIII		S
			Zinco-Nichel		K
06	RAPPORTO DI PILOTAGGIO (PILOT RATIO)		1:4		4
			1:8.75		8
			1:11		1

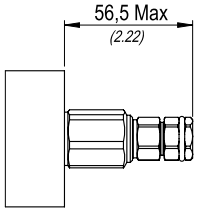
Opzione: Tappo piombatura - Optional: Tamper proof cap **81300095**

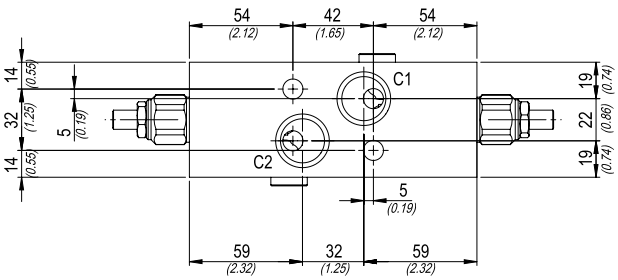
SCHEMA IDRAULICO / HYDRAULIC CIRCUIT

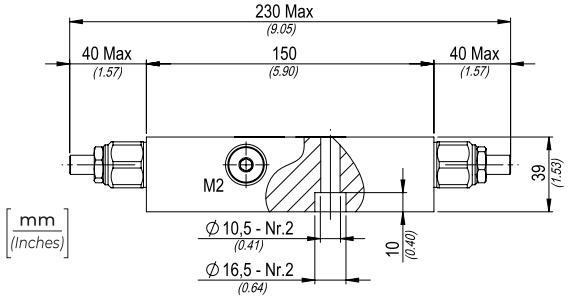


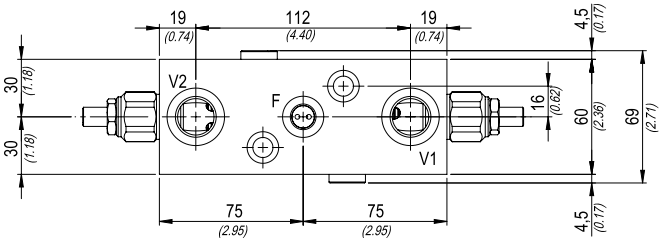


SEMI-COMPENSATED VERSION





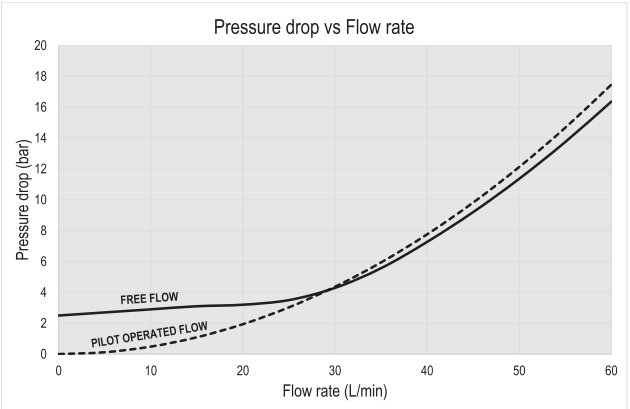




DATI TECNICI / TECHNICAL DATA

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)	
Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min

PERFORMANCES



CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	DIMENSIONE ATTACCHI DIMENSION PORTS		PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	Peso Approx Approx weight kg-lbt
VBCFE	**V1 - V2** **M1 - M2 - F** **C1 - C2**	**BSPP 1/2** **BSPP 1/4** **Ø10,5**	**60** (15.9)	**350** (5075)	**2,8** (6.17)

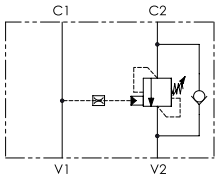
CODICE ORDINAZIONE / ORDERING CODE

01	02	03	04
SCVB			S

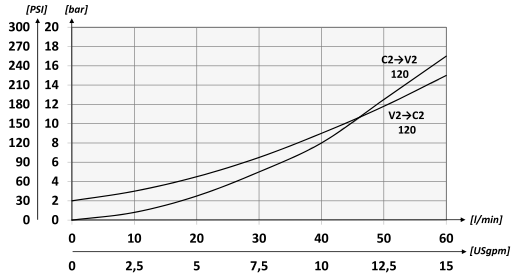
01	VALVOLE DI BILANCIAMENTO SINGOLE PER CENTRO APERTO (SINGLE COUNTERBALANCE VALVES FOR OPEN CENTER)				**SCVB**
02	DIMENSIONE (SIZE)	BSPP 1/2			**120**
03	MOLLA (SPRING) **30/210 bar** (435/3045 PSI)	Rp 1:4.25	**78 bar/al giro** (1131 PSI/turn)	Taratura standard (Std. setting) **Q=5 l/min 200 bar** (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 (METERIAL)	Acciaio + zincatura (Steel + zinc-plating)			**S**

Opzione: Tappo piombatura - Optional: proof cap **81300095**

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES

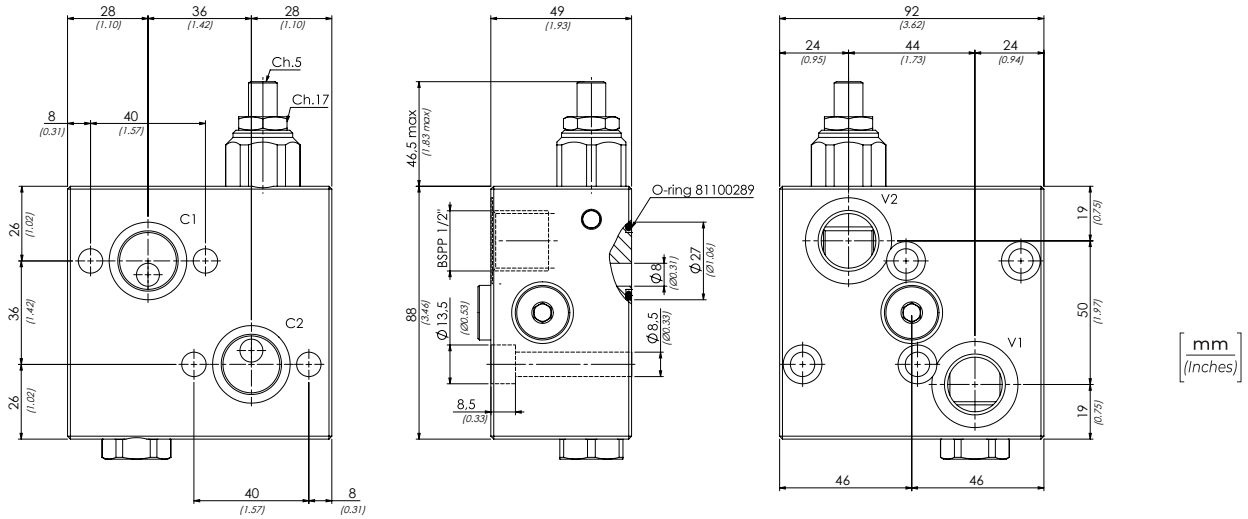


DATI TECNICI / TECHNICAL DATA

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min



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)

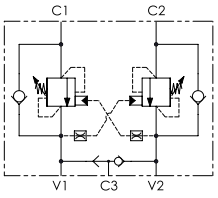
CODICE ORDINAZIONE / ORDERING CODE

01	02	03	04
DCVB			S

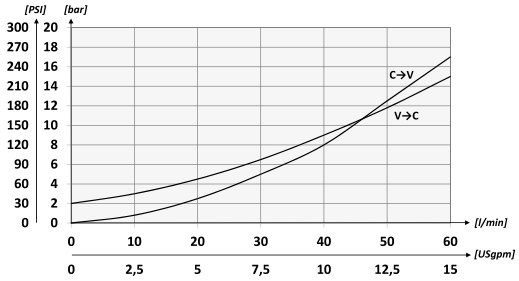
01	VALVOLE DI BILANCIAMENTO DOPPIE PER CENTRO APERTO OMP-OMR (DOUBLE COUNTERBALANCE VALVES FOR OPEN CENTER OMP-OMR)				DCVB
02	MOLLA (SPRING)		BSPP 1/2		120
03	MOLLA (SPRING) **30/210 bar** (435/3045 PSI)	Rp 1:4.25	**78 bar/al giro** (1131 PSI/turn)	Taratura standard (Std. setting) **Q=5 l/min 200 bar** (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 (METERIAL)		Acciaio + zincatura (Steel + zinc-plating)		S

Opzione: Tappo piombatura - Optional: Tamper proof cap **81300095**

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES

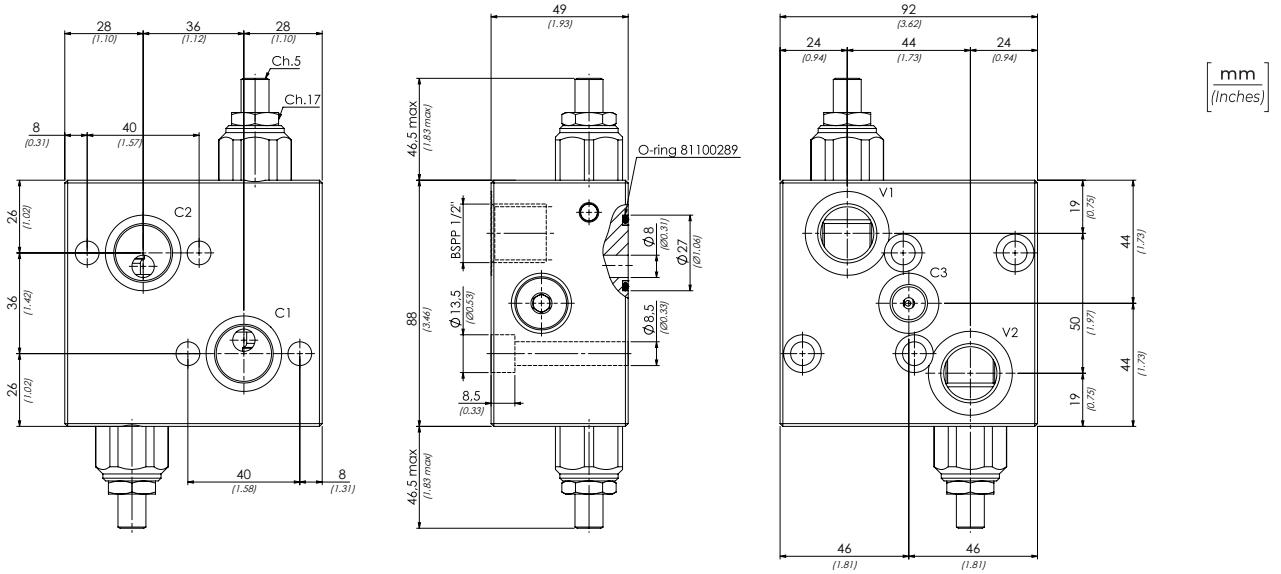


DATI TECNICI / TECHNICAL DATA

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 Max contamination index	**ISO 4406:1999 Classe 18/16/13**
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)

Trafilamento@46cSt & 200 bar Leakage@46cSt & 200 bar	**0,25 cm³/min - 5 gocce/min** 0,015 in³/min - 5 drops/min



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)