

CBF hydraulic®

Valvole di blocco e di non ritorno

Check valves

苏州科益达流体机械有限公司
SUZHOU CEDA FLUID MACHINERY CO.,LTD.

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多路阀、插装阀



插装阀、手动阀



快速接头、高压球阀、单向阀

SUN 太阳
Hydraforce 海德福斯

插装阀



液压产品

苏州科益达流体机械有限公司
SUZHOU CEDA FLUID MACHINERY CO.,LTD.

INFORMAZIONI GENERALI GENERAL INFORMATION

Ordinazioni

Gli ordini devono essere inviati alla:

CBF S.r.l.

Via Caboto, 1

36075 Montecchio Maggiore (VI)

Tel. 0444 499141-3

Fax 0444 499145

Per posta o telefax. Si prega di evitare, ove possibile, di effettuare ordini per telefono dato che questi dovranno essere in ogni caso confermati per lettera o fax.

Gli ordini devono chiaramente indicare:

• Esatta ragione sociale o indirizzo completo del richiedente.

• Numero d'ordine.

• Data d'ordine.

• Numero d'offerta **CBF** (qualora esista).

• Denominazione valvola.

• Data consegna richiesta.

• Destinazione merce.

• Vettore.

Garanzia

• La **CBF S.r.l.** garantisce che i suoi prodotti sono esenti da difetti di materiali o di costruzione per un periodo di 12 mesi a partire dalla data di spedizione dai propri magazzini in Montecchio Maggiore (VI) - Italia.

• La garanzia è esclusivamente limitata alla riparazione o sostituzione, a giudizio della **CBF S.r.l.**, d'ogni parte o parti difettose in materiale o costruzione, previo esame dei pezzi che devono essere ritornati alla **CBF**, franco destino, corredati di descrizione dettagliata del malfunzionamento.

• **CBF** declina ogni responsabilità ed esclude l'applicazione della garanzia per quei prodotti che, a proprio insindacabile giudizio, siano stati contaminati, impiegati erroneamente o manomessi in circostanze al di fuori del proprio controllo o senza autorizzazione. La garanzia decade qualora siano apportate modifiche a circuiti o impianti tali da influenzare negativamente il funzionamento del prodotto **CBF**.

• In nessun caso una rivalsa in garanzia potrà comportare revoche contrattuali, sospensioni anche parziali di pagamenti, compensi per danni o rimborsi spese, ivi compresa la spesa di manodopera per la sostituzione del pezzo.

• Questa garanzia riconosciuta dalla **CBF S.r.l.** attraverso la propria organizzazione assistenziale esclude e sostituisce ogni altra garanzia di qualsiasi genere.

• **CBF S.r.l.** non è responsabile per danni diretti o indiretti, ivi comprese eventuali perdite economiche conseguenti a fermo macchina, o ritardate consegne di qualsiasi genere.

Responsabilità d'uso.

Tutti i prodotti **CBF** sono sottoposti a rigorosi collaudi funzionali, conformemente alle caratteristiche riportate sulla documentazione tecnica **CBF**.

Dal momento che le reali condizioni di funzionamento delle apparecchiature del Compratore non sono riproducibili integralmente nei laboratori della **CBF**, la responsabilità della scelta e l'idoneità dei prodotti sono a carico del Compratore stesso.

Giurisdizione

In caso di contestazione in cui la **CBF S.r.l.** sia convenuta è esclusivamente competente il Foro di Vicenza. Le tratte, le accettazioni di regolamenti, le spedizioni senza o contrassegno, le esazioni per mezzo d'incaricati, non costituiscono deroga a questa clausola anche nel caso in cui la **CBF S.r.l.** fosse ricercata per connessione o continenza di causa.

Quando la **CBF S.r.l.** sia attrice potrà ricorrere sia al Foro di Vicenza, sia a quello di residenza del convenuto.

Order entry procedure

Orders are received by:

CBF S.r.l.

Via Caboto, 1

36075 Montecchio Maggiore (VI)

Tel. ++39-0444-499141/3

Fax ++39-0444-499145

By mail or telefax. When possible, please avoid sending orders by telephone since you must later confirm them by letter.

Orders must clearly show:

• The corporate name and the full address of the applicant.

• Order number.

• Order date.

• **CBF's** offer number (when existing).

• Valve denomination.

• Required delivery date.

• Goods destination.

• Carrier.

Warranty

• **CBF S.r.l.** warrants that its products are free from defects in material and workmanship for a period of 12 months from the date of shipment from the factory in Montecchio Maggiore (VI) - Italy.

• The warranty is strictly limited to the repair or replacement (at **CBF S.r.l.** option) of any part or parts defective in material or workmanship, subject to **CBF's** examination of the part which must be returned to **CBF S.r.l.**, carriage pre-paid by the Customer, with a detailed description of the malfunction.

• **CBF S.r.l.** shall not be responsible for circumstances beyond its control and this warranty shall not apply to products which, in the sole judgement of **CBF** have been subjected to contamination, tampering, negligent handling, misapplication or other misuse.

Changes in circuit or changes in other components which may adversely affect the products of **CBF S.r.l.** void this warranty.

• In none of the cases quoted in the above paragraphs can the customer claim the cancellation of the contract compensation for damages or reimbursement of any expenses as, for example, labor required to replace the defective parts.

• This warranty recognized by **CBF S.r.l.** through its service organization is expressly in lieu of and excludes and supersedes any warranty of merchantability or fitness.

• **CBF S.r.l.** makes no other warranties, expressed or implied, and is not responsible for any consequential damages resulting from use by any buyer or user, its liability being limited to the value of product sold or to the obligation to replace a defective part. In no event shall **CBF S.r.l.** be liable for loss of anticipated profits, consequential damages, or loss of any equipment, installation, system operation or service into which the products of **CBF S.r.l.** may be fitted. **CBF S.r.l.** shall not be liable for any default, claimed breach of warranty, failure to deliver or otherwise, except as herein specifically indicated.

Responsibility for use.

All **CBF** products are checked and tested, in accordance with the specifications indicated in the relevant technical documents.

Since the actual installation and performance of the Customer's equipment cannot be exactly reproduced in the **CBF** testing laboratories, the assurance of suitability of all **CBF's** products in the Customer application is the responsibility of the Customer himself.

Jurisdiction

In case of a dispute where **CBF S.r.l.** is summoned before court, the Court in Law in Vicenza (Italy) is exclusively competent: drafts, acceptance of settlements, dispatches without or with C.O.D. do not constitute a derogation from this clause of jurisdiction even in case **CBF S.r.l.** should be pursued for concession or continenza of cause. When **CBF S.r.l.** is the plaintiff, it will be able to recur both to Court of Law in Vicenza and to that where the other party resides.

INDICE PER TIPO DI VALVOLA
INDEX BY VALVE TYPE

	Q	P	PAGINA
	(l/min)	(bar)	PAGE

Valvola unidirezionale a cartuccia (METRICHE)
Check valve – cartridge type (METRIC THREAD)

	VNR40-C	40	350	9
	VNR60-C	60	350	10
	VNR22-C	80	350	11
	VNR80-C	80	300	12
	VNR130-C	130	300	14
	VNR200-C	200	300	16
	VNRI80-C *	80	300	13
	VNRI130-C *	130	300	15
VNRI200-C *	200	300	17	

* VEDI SCHEMA IDRAULICO PAG. 13-15-17
* SEE HYDRAULIC SCHEME PAGE 13-15-17

Valvola unidirezionale a cartuccia (SAE-UNF)
Check valve – cartridge type (SAE-UNF THREAD)

	VNR40-08-C	40	350	18
	VNR10-C	80	350	19
	VNR12-C	110	300	20
	VNR16-C	150	300	21
	VNR20-C	280	300	22
	VNR20-C D.23	360	300	23

Valvola unidirezionale ad inserto
Check valve insert

	VNRI30	150	350	24
	VNRI38	300	350	24
	VNRI80D15	90	350	25
	VNRI130D18	130	350	25
	VNRI200D27	200	350	25

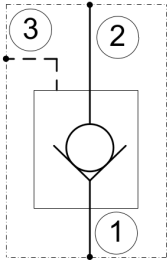
Valvola unidirezionale pilotata in apertura, a cartuccia
Pilot to open operated check valve – cartridge type

	VBP20-08-C	20	350	26
	VBP20-C	20	350	27
	VBP40-C	40	350	28
	VBP60-10-C-P3	60	350	29
	VBP90-C	90	350	30

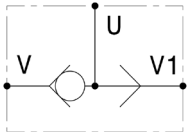
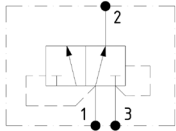
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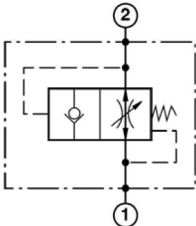
Valvola di blocco pilotata in chiusura a cartuccia
Check valve, pilot to close – cartridge type

	VBPC-22-C	60	350	31
	VBPC-10-C	60	350	32
	VBPC-12-C	110	350	33
	VBPC-20-C	150	350	34

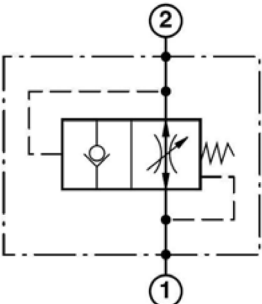
Valvola selettoria a cartuccia
Shuttle valve – cartridge type

	VS03-C M12X1.5	3	350	35
	VS25-08-C	25	350	36
	VHS-10-C	60	350	37

Valvola paracadute
Screw-in cartridge hose burst valve

	VPN-14	25	350	38
	VPN-38	50	350	38
	VPN-12	80	350	38
	VPN-34	150	350	38

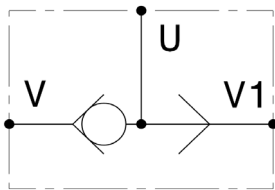
Valvola paracadute - colonnetta
Hose burst valve

	VPN-14-MF	25	350	39
	VPN-38-MF	50	350	39
	VPN-12-MF	80	350	39
	VPN-34-MF	150	350	39
	VPN-14-FF	25	350	39
	VPN-38-FF	50	350	39
	VPN-12-FF	80	350	39
	VPN-34-FF	150	350	39

INDICE PER TIPO DI VALVOLA
INDEX BY VALVE TYPE

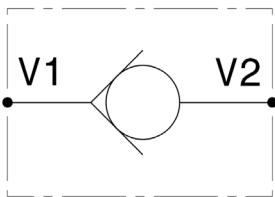
	Q	P	PAGINA
	(l/min)	(bar)	PAGE

Valvola selettiva
Shuttle valve



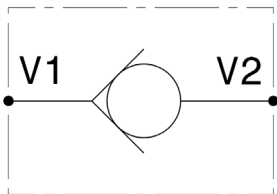
VSF14	20	350	40
VSF-38	40	350	40
VSF-12	60	350	40
VSF-34	100	280	40
VSM-14	20	350	40
VSM-38	40	350	40
VSM-12	60	350	40
VSM-34	100	280	40

Valvola unidirezionale in linea a sfera e a cono, filettata femmina - femmina
In line check valve, ball and poppet type, female - female threaded



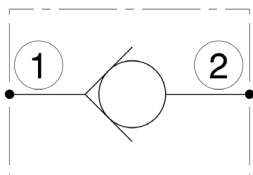
VU14-SF	15	500	41
VU38-SF	30	500	41
VU12-SF	50	500	41
VU34-SF	90	350	41
VU14-SP	15	500	41
VU38-SP	30	500	41
VU12-SP	50	500	41
VU34-SP	90	350	41
VU10-SP	150	350	41

Valvola unidirezionale in linea a sfera e a cono, filettata maschio - femmina
In line check valve, ball and poppet type, male - female threaded



VU14MF-SF	15	500	42
VU38MF-SF	30	500	42
VU12MF-SF	50	500	42
VU34MF-SF	90	350	42
VU14MF-SP	15	500	42
VU38MF-SP	30	500	42
VU12MF-SP	50	500	42
VU34MF-SP	90	350	42
VU10MF-SP	150	350	42

Valvola unidirezionale in linea, tenuta a cono
In line check valve, poppet type

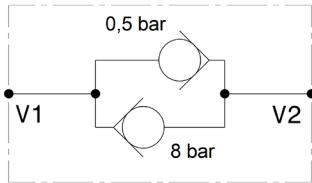


VU38-MM	25	350	43
VU12-MM	40	350	43

INDICE PER TIPO DI VALVOLA
INDEX BY VALVE TYPE

	Q	P	PAGINA
	(l/min)	(bar)	PAGE

Valvola bidirezionale
Bidirectional check valve



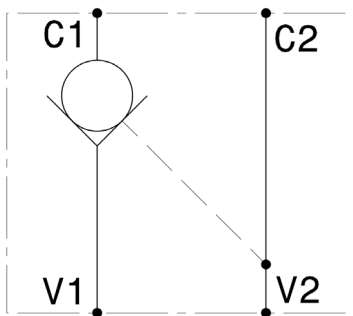
VBD-E

30

350

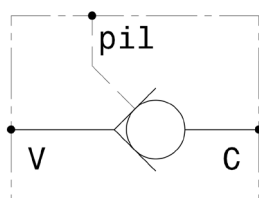
44

Valvola di blocco pilotata a semplice effetto
Single effect, pilot operated check valve



VBS-14-SF	20	350	45
VBS-38-SF	35	350	45
VBS-12-SF	50	350	45
VBS-14-SP	20	350	45
VBS-38-SP	35	350	45
VBS-12-SP	50	350	45
VBS-34-SP	80	250	45
VBS-14-SF M16X1.5	20	350	47
VBS-38-SF M18X1.5	35	350	47
VBS-14-SP M16X1.5	20	350	47
VBS-38-SP M18X1.5	35	350	47
<i>In linea in line</i>			
VBS-L-14	20	350	49
VBS-L-38	35	350	49
VBS-L-12	50	350	49
VBS-L-34	80	250	49
<i>Flangeable Flangeable</i>			
VBS-L-F-38	35	350	50
VBS-L-F-12	50	350	50

Valvola di blocco semplice effetto con pilotaggio separato
Pilot operated check valve with vented pilot

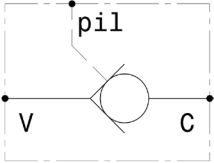


VBS-L-PS-14	20	350	53
VBS-L-PS-38	35	350	53
VBS-L-PS-12	50	350	53

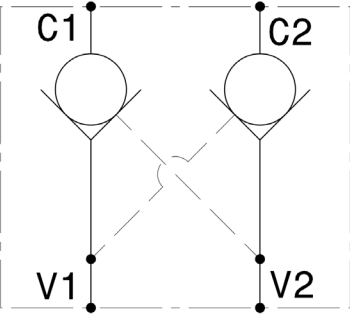
INDICE PER TIPO DI VALVOLA
INDEX BY VALVE TYPE

	Q	P	PAGINA
	(l/min)	(bar)	PAGE

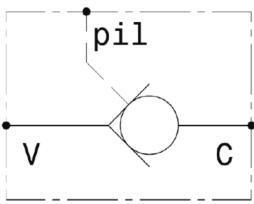
Valvola di blocco semplice effetto flangiabile con pilotaggio separato
Flangeable pilot operated check valve with vented pilot

	VBS-F-PS-38	35	350	54
	VBS-F-PS-12	50	350	54

Valvola di blocco pilotata a doppio effetto
Pilot operated check valve, ball or poppet type

	VBD-14-SF	20	350	46	
	VBD-38-SF	35	350	46	
	VBD-12-SF	50	350	46	
	VBD-14-SP	20	350	46	
	VBD-38-SP	35	350	46	
	VBD-12-SP	50	350	46	
	VBD-34-SP	80	250	46	
	VBD-14-SF M16X1.5	20	350	48	
	VBD-38-SF M18X1.5	35	350	48	
	VBD-14-SP M16X1.5	20	350	48	
	VBD-38-SP M18X1.5	35	350	48	
	In linea <i>in line</i>				
	VBD-L-14	20	350	51	
	VBD-L-38	35	350	51	
	VBD-L-12	50	350	51	
	VBD-L-34	80	250	51	
Flangeable <i>Flangeable</i>					
VBD-L-F-38	35	350	52		
VBD-L-F-12	50	350	52		
VBD-L-F-34	80	250	52		

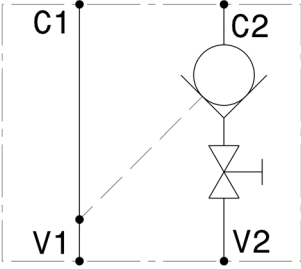
Valvola di blocco pilotata semplice effetto flangiabile
Flangeable pilot operated check valve

	VBS-F-38	40	280	55
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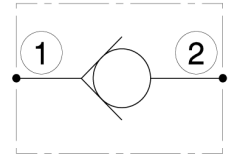
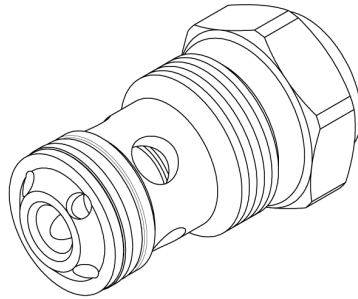
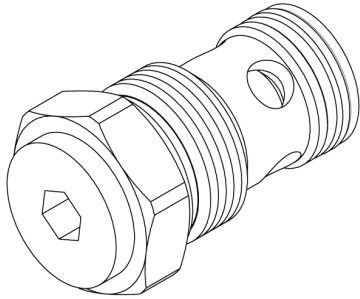
INDICE PER TIPO DI VALVOLA
INDEX BY VALVE TYPE

	Q	P	PAGINA
	(l/min)	(bar)	PAGE

Valvola di blocco pilotata a semplice effetto con rubinetto manuale
Single effect, pilot operated check valve with manual lever

	VBS-R-D-38	35	300	56
	VBS-R-D-12	50	300	56
	VBS-R-S-38	35	300	57
	VBS-R-S-12	50	300	57
	Flangeable Flangeable			
	VBS-F-R-D-38	35	300	58
	VBS-F-R-S-38	35	300	59

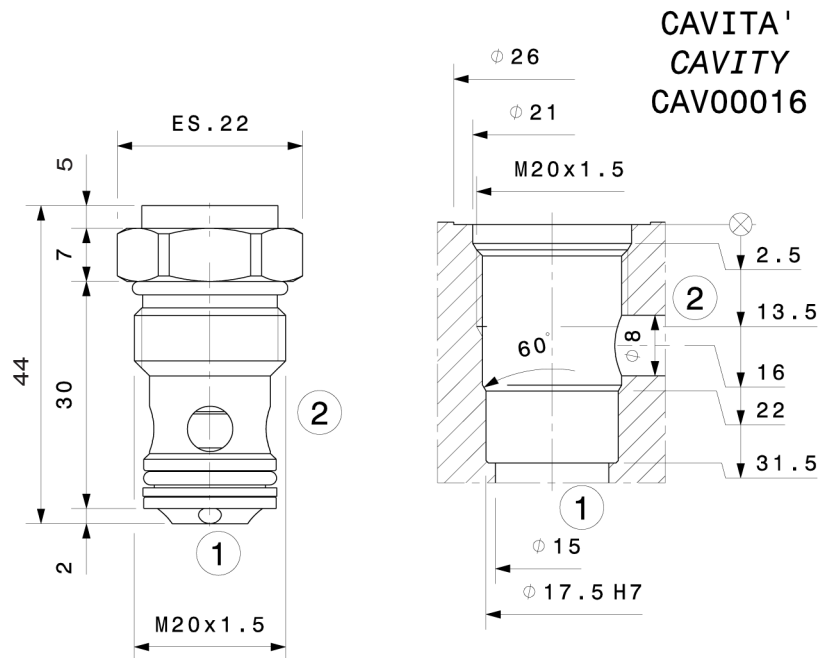
Valvola unidirezionale a cartuccia
 Check valve – cartridge type
 mod. VNR40-C



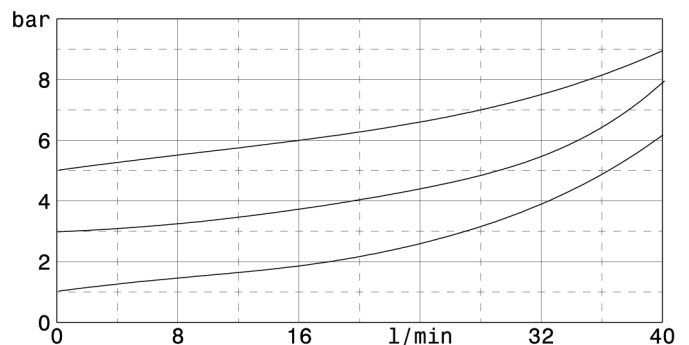
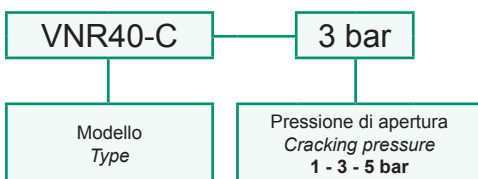
Portata massima Max flow	40 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Pressione di apertura Cracking pressure	1 bar 14 psi 3 bar 43 psi 5 bar 72 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 22.5 lb ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

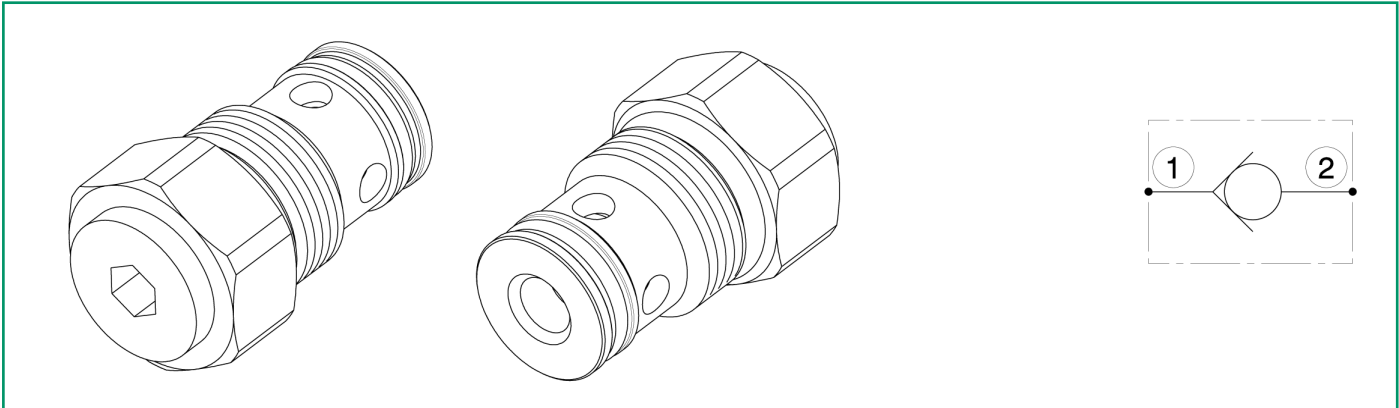


Sigla di ordinazione / Ordering code



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

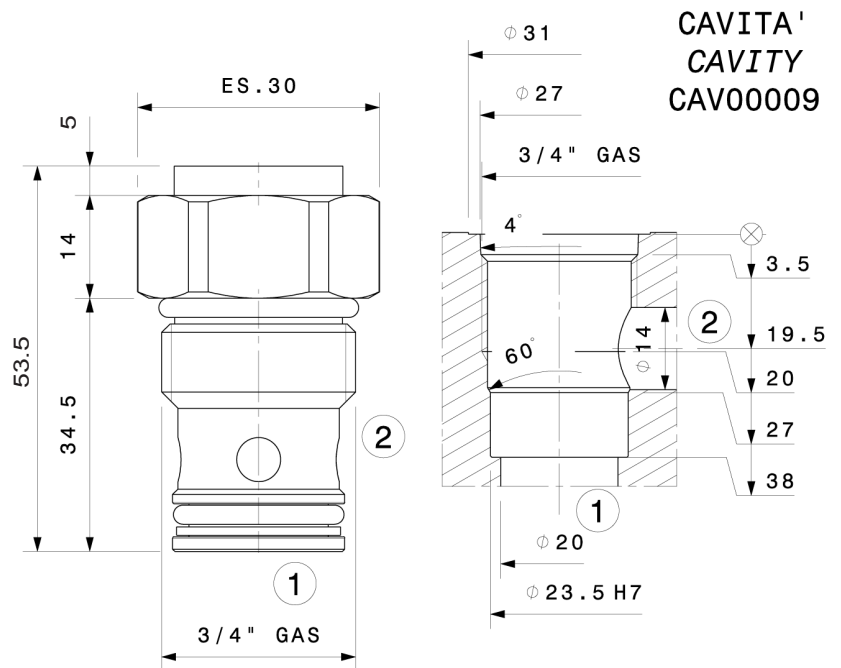
Valvola unidirezionale a cartuccia
 Check valve – cartridge type
 mod. VNR60-C



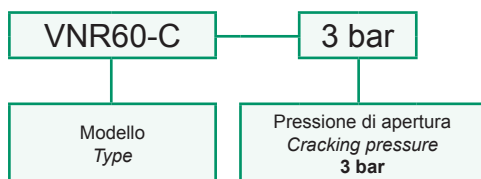
Portata massima Max flow	60 l/min 16 gpm
Pressione massima Max pressure	350 bar 5000 psi
Pressione di apertura Cracking pressure	3 bar 43 psi
Coppia di serraggio Installation torque	140 ÷ 160 Nm 105 ÷ 120 lb ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

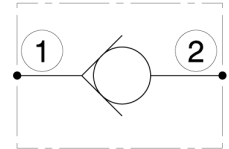
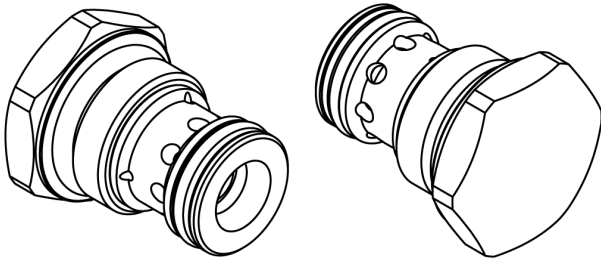


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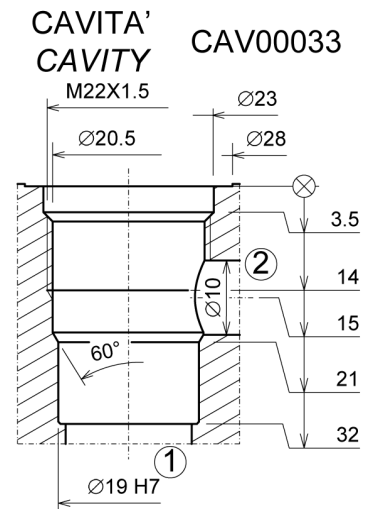
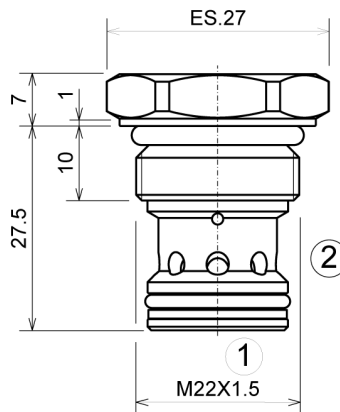
Valvola unidirezionale a cartuccia
 Check valve – cartridge type
 mod. VNR22-C



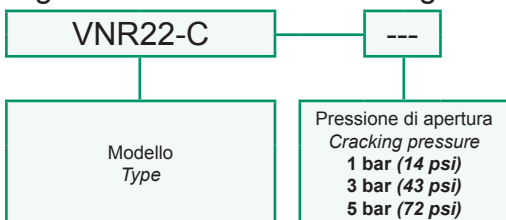
Portata massima Max flow	80 l/min 21 gpm
Pressione massima Max pressure	350 bar 5000 psi
Pressione di apertura Cracking pressure	1 bar - 14 psi 3 bar - 43 psi 5 bar - 73 psi
Coppia di serraggio Installation torque	45 ÷ 50 Nm 33 ÷ 37 lbf ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

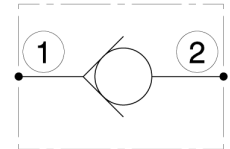
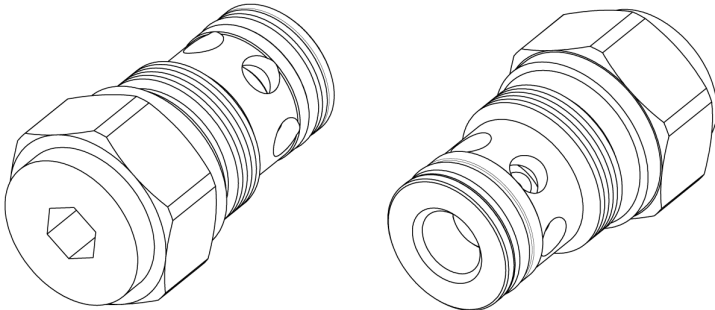


Sigla di ordinazione / Ordering code



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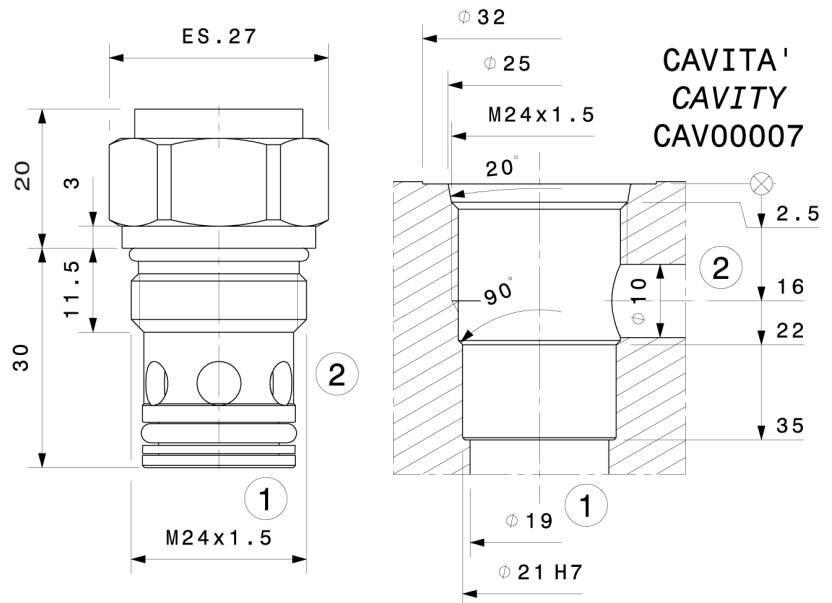
Valvola unidirezionale a cartuccia
 Check valve – cartridge type
 mod. VNR80-C



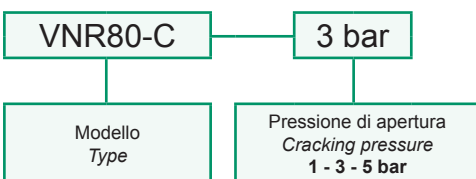
Portata massima Max flow	80 l/min 21 gpm
Pressione massima Max pressure	300 bar 4300 psi
Pressione di apertura Cracking pressure	1 bar 14 psi 3 bar 43 psi 5 bar 72 psi
Coppia di serraggio Installation torque	65 ÷ 70 Nm 49 ÷ 52 lb ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

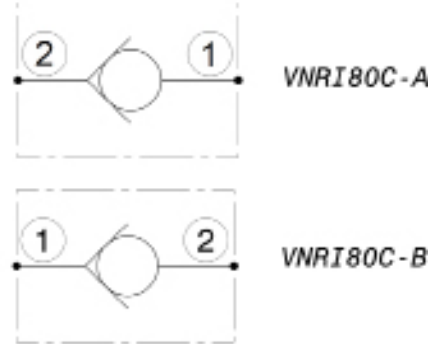
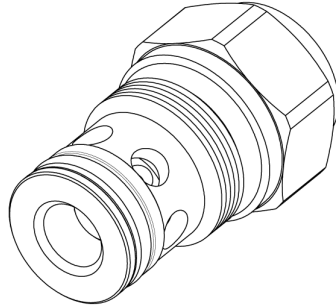
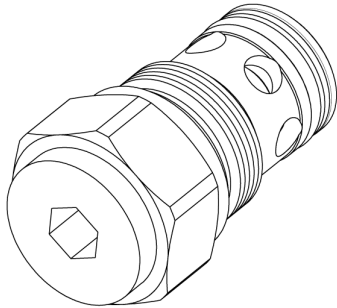


Sigla di ordinazione / Ordering code



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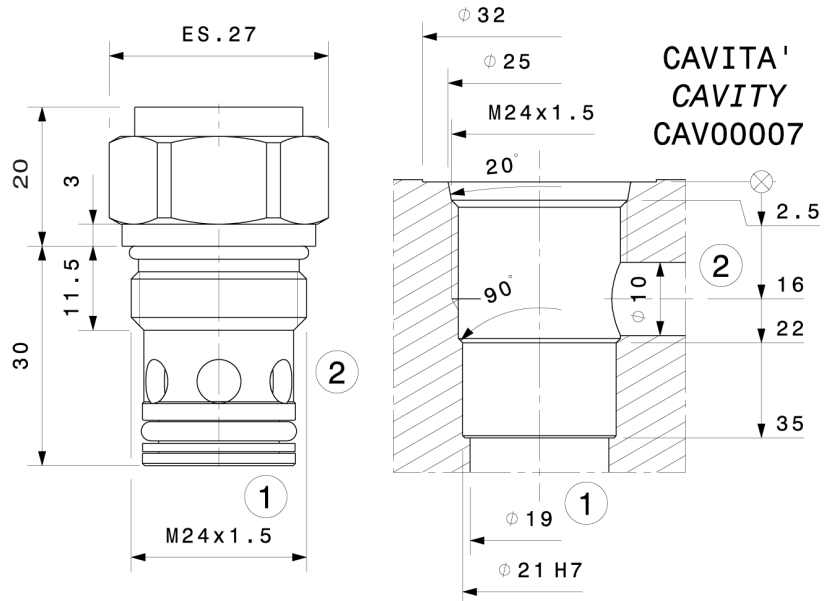
Valvola unidirezionale a cartuccia
 Check valve – cartridge type
 mod. VNRI80-C



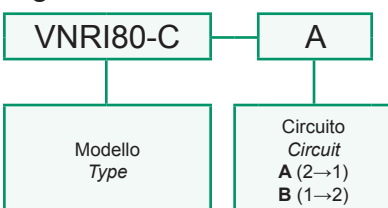
Portata massima Max flow	80 l/min 21 gpm
Pressione massima Max pressure	300 bar 4300 psi
Pressione di apertura Cracking pressure	0.5 bar 7.25 psi
Coppia di serraggio Installation torque	65 ÷ 70 Nm 49 ÷ 52 lb ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

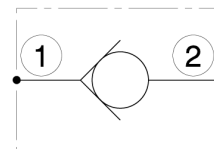
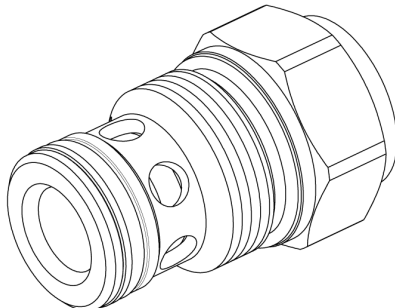
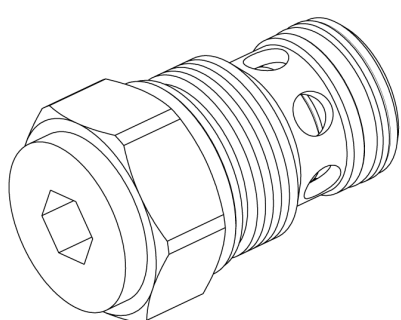


Sigla di ordinazione / Ordering code



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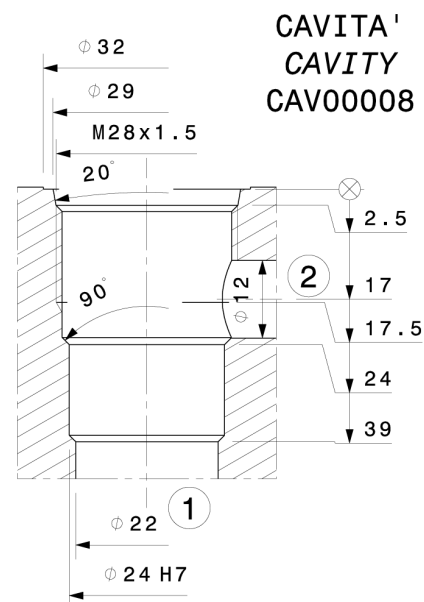
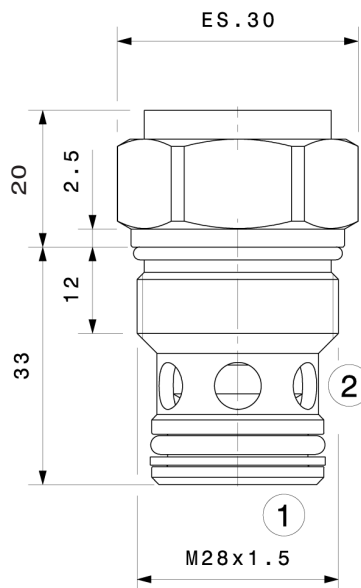
Valvola unidirezionale a cartuccia
 Check valve – cartridge type
 mod. VNR130-C



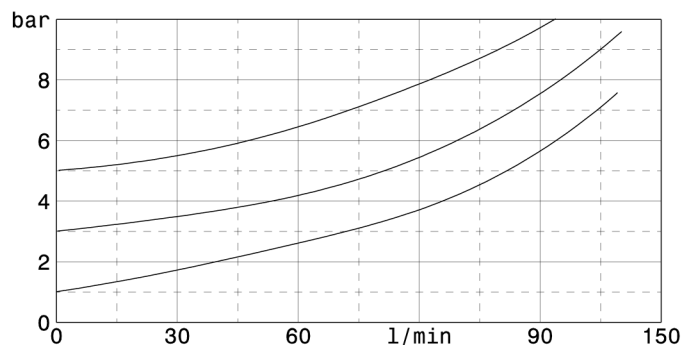
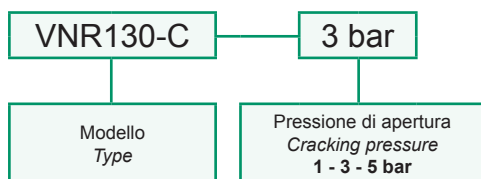
Portata massima Max flow	130 l/min 34 gpm
Pressione massima Max pressure	300 bar 4300 psi
Pressione di apertura Cracking pressure	1 bar 14 psi 3 bar 43 psi 5 bar 72 psi
Coppia di serraggio Installation torque	140 ÷ 160 Nm 105 ÷ 120 lb ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

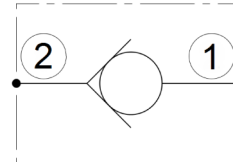
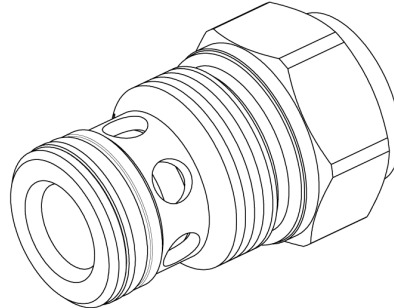
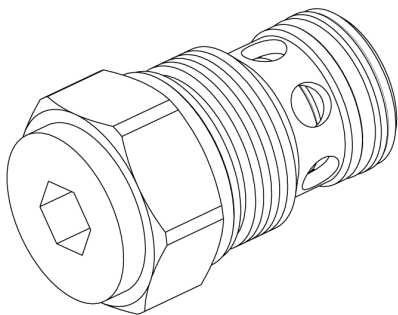


Sigla di ordinazione / Ordering code

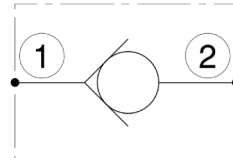


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Valvola unidirezionale a cartuccia
 Check valve – cartridge type
 mod. VNRI130-C



VNRI130C-A

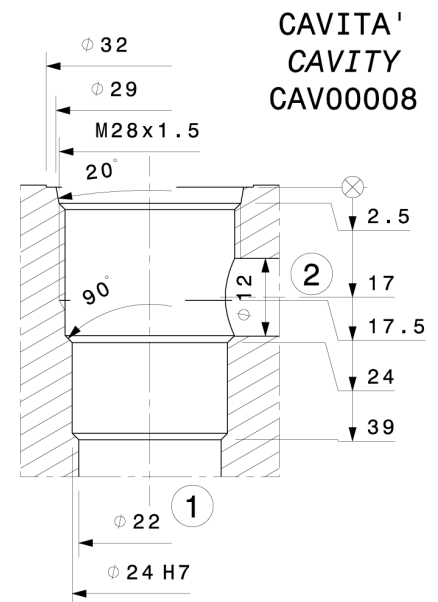
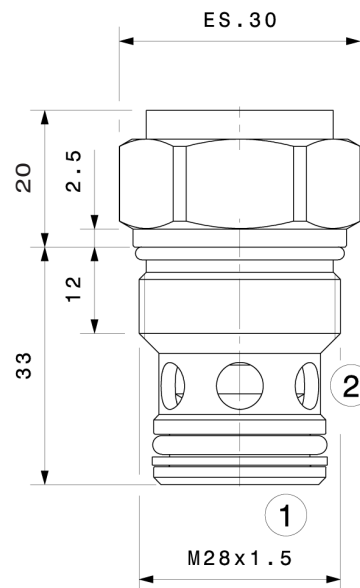


VNRI130C-B

Portata massima Max flow	130 l/min 34 gpm
Pressione massima Max pressure	300 bar 4300 psi
Pressione di apertura Cracking pressure	0.5 bar 7.25 psi
Coppia di serraggio Installation torque	140 ÷ 160 Nm 105 ÷ 120 lb ft

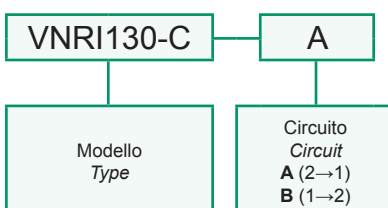
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



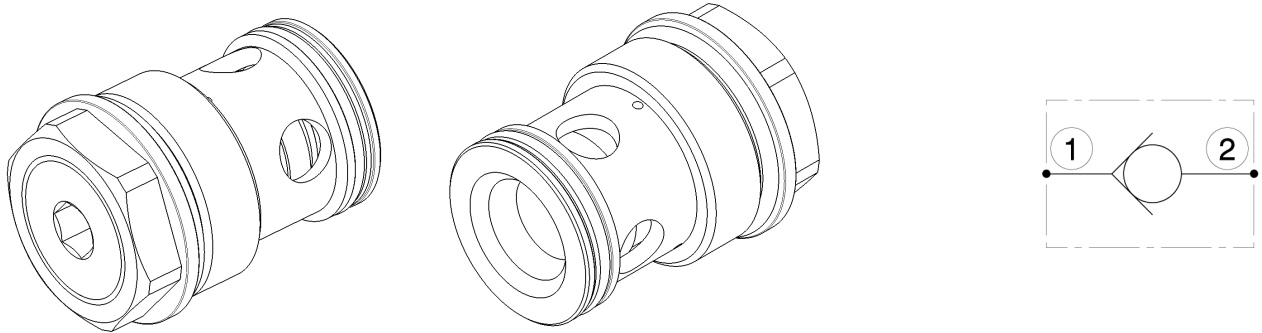
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Sigla di ordinazione / Ordering code



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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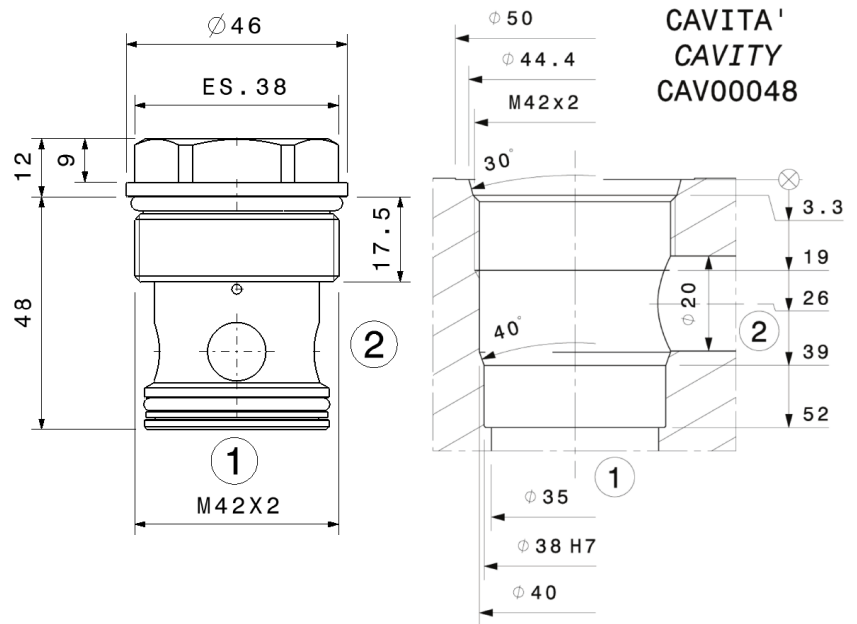
Valvola unidirezionale a cartuccia
 Check valve – cartridge type
 mod. VNR200-C



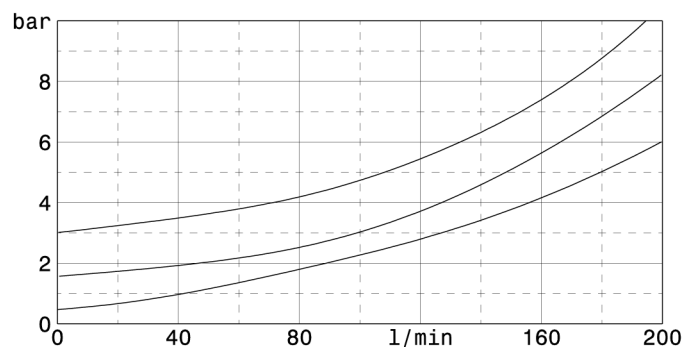
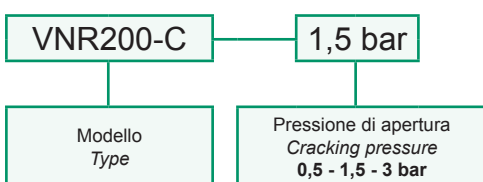
Portata massima Max flow	200 l/min 53 gpm
Pressione massima Max pressure	300 bar 4300 psi
Pressione di apertura Cracking pressure	0,5 bar 7 psi 1,5 bar 22 psi 3 bar 43 psi
Coppia di serraggio Installation torque	200 ÷ 220 Nm 150 ÷ 165 lb ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

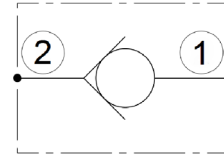
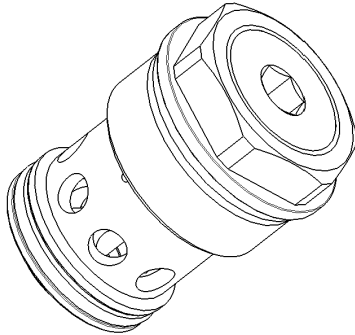


Sigla di ordinazione / Ordering code

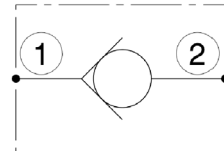


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola unidirezionale a cartuccia
 Check valve – cartridge type
 mod. VNRI200-C



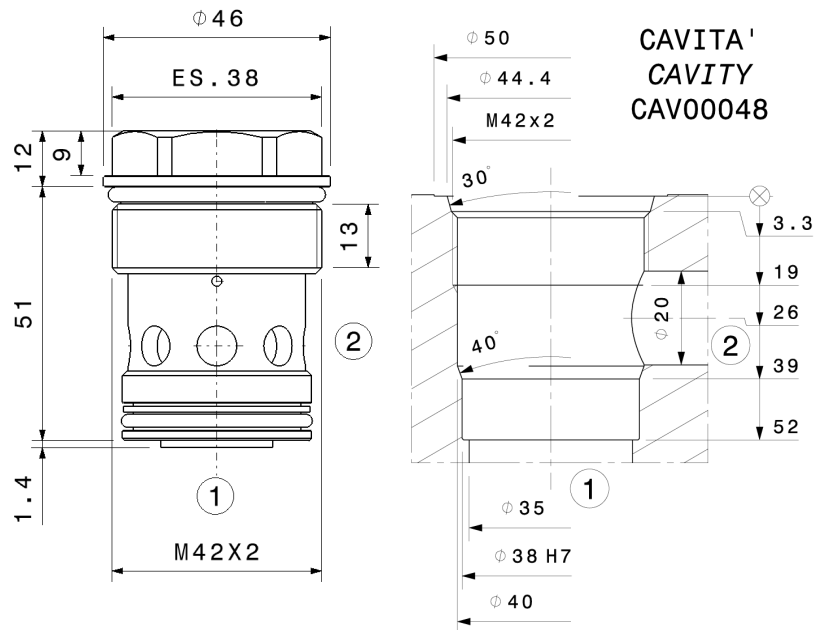
VNRI200C-A



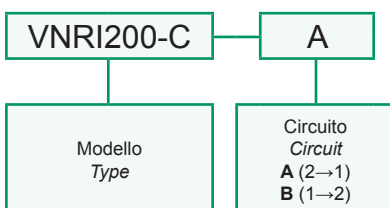
VNRI200C-B

Portata massima Max flow	200 l/min 53 gpm
Pressione massima Max pressure	300 bar 4300 psi
Pressione di apertura Cracking pressure	0,5 bar 7.25 psi
Coppia di serraggio Installation torque	200 ÷ 220 Nm 150 ÷ 165 lb ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

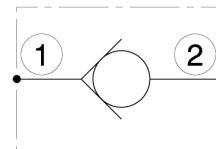
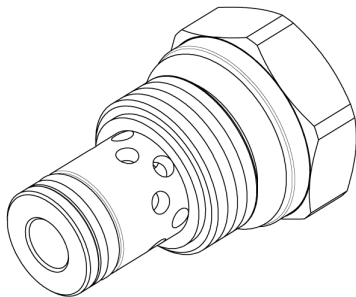
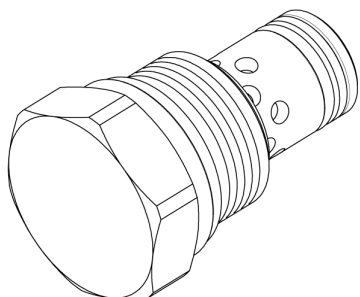


Sigla di ordinazione / Ordering code



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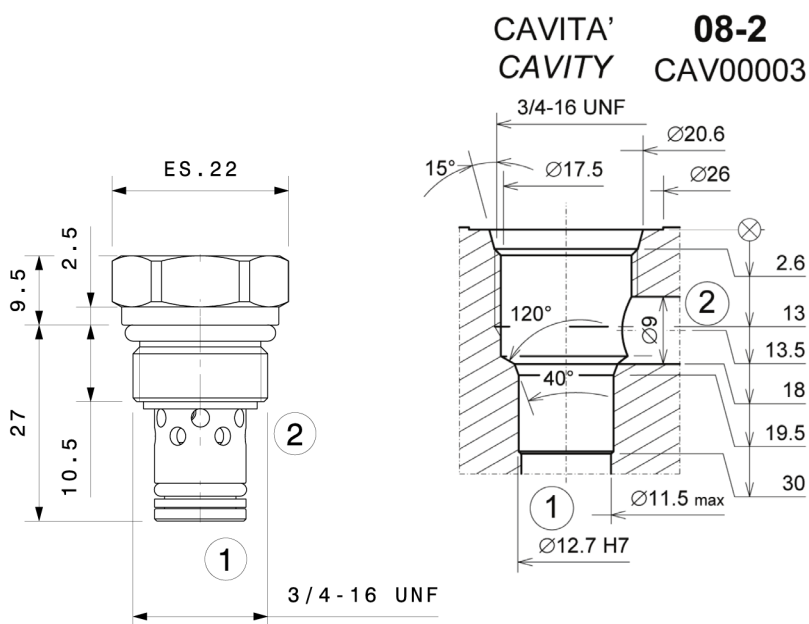
Valvola unidirezionale a cartuccia
 Check valve – cartridge type
 mod. VNR40-08-C



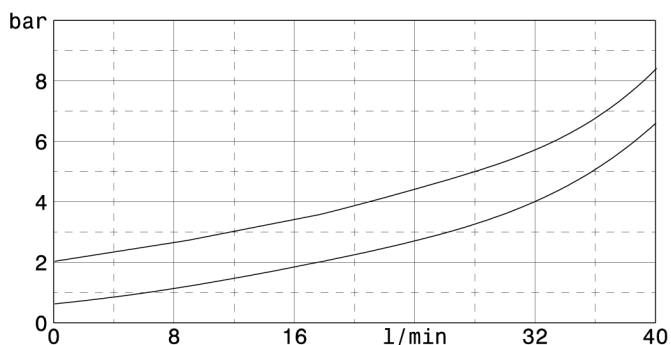
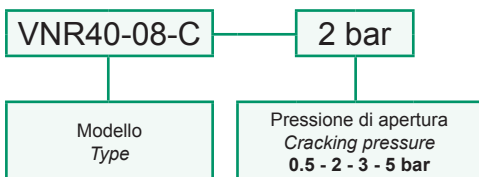
Portata massima Max flow	40 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Pressione di apertura Cracking pressure	0,5 bar 7 psi 2 bar 29 psi 3 bar 43.5 psi 5 bar 72.5 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 22.5 lb ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

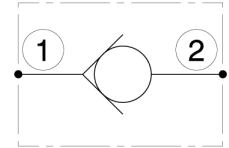
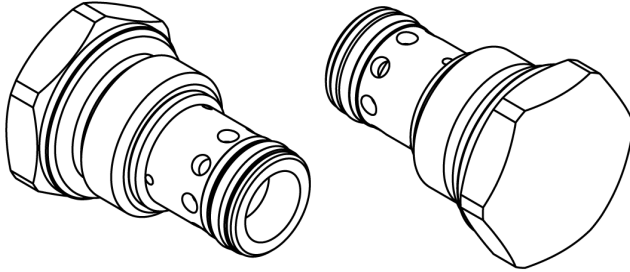


Sigla di ordinazione / Ordering code



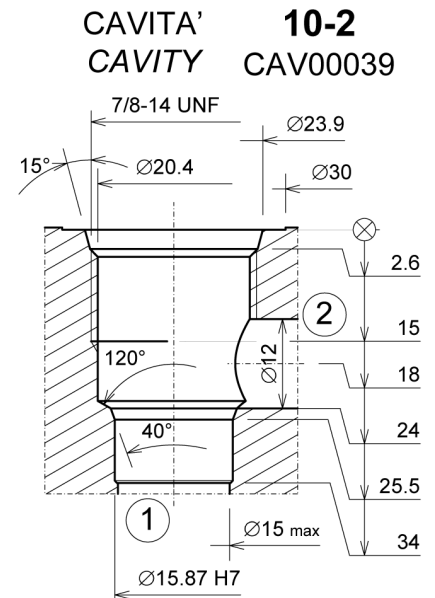
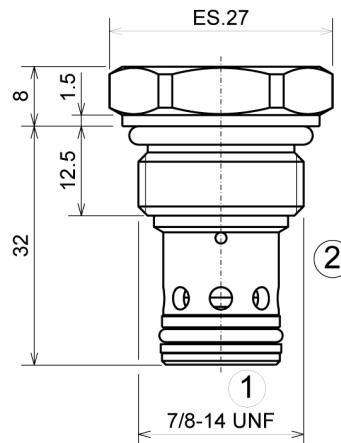
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola unidirezionale a cartuccia
 Check valve – cartridge type
 mod. VNR10-C

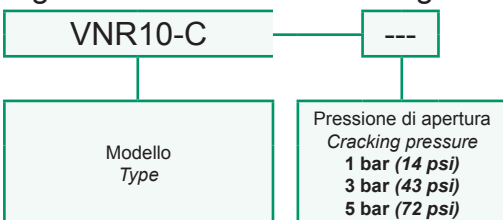


Portata massima Max flow	80 l/min 21 gpm
Pressione massima Max pressure	350 bar 5000 psi
Pressione di apertura Cracking pressure	1 bar - 14 psi 3 bar - 43 psi 5 bar - 73 psi
Coppia di serraggio Installation torque	45 ÷ 50 Nm 33 ÷ 37 lbf ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

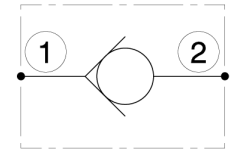
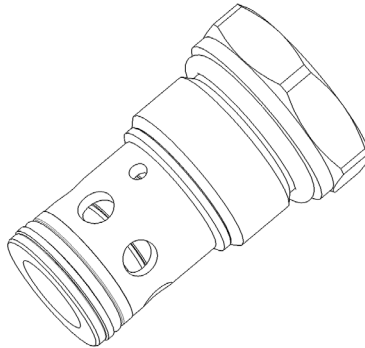
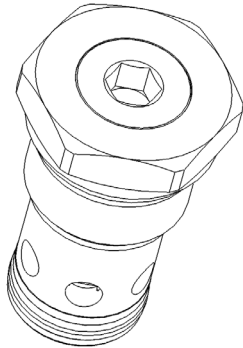


Sigla di ordinazione / Ordering code



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Valvola unidirezionale a cartuccia
 Check valve – cartridge type
 mod. VNR12-C

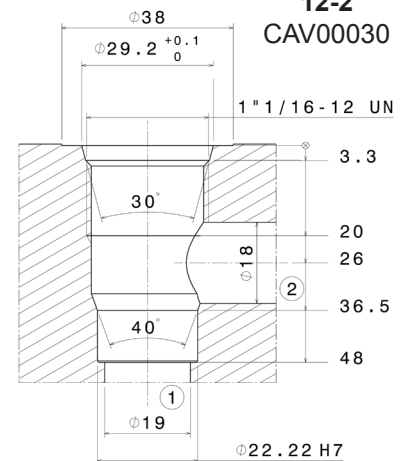
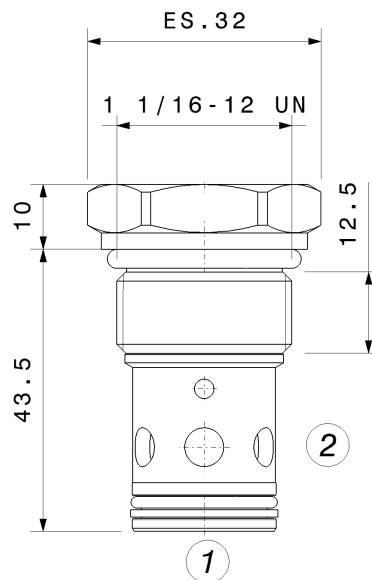


Portata massima <i>Max flow</i>	110 l/min 29 gpm
Pressione massima <i>Max pressure</i>	300 bar 4300 psi
Pressione di apertura <i>Cracking pressure</i>	1.5 bar 21 psi
Coppia di serraggio <i>Installation torque</i>	80 ÷ 100 Nm 60 ÷ 75 lb ft

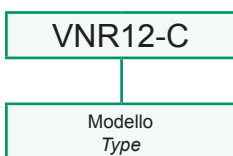
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

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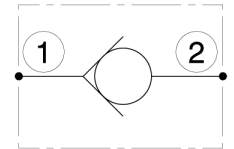
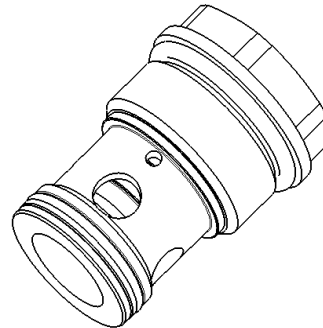
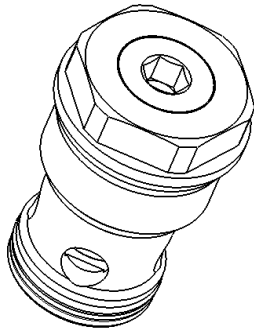


Sigla di ordinazione / Ordering code



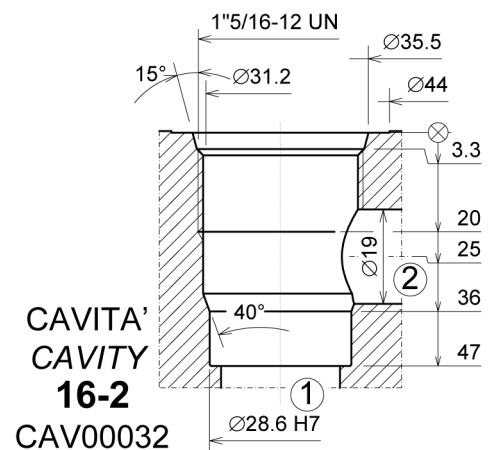
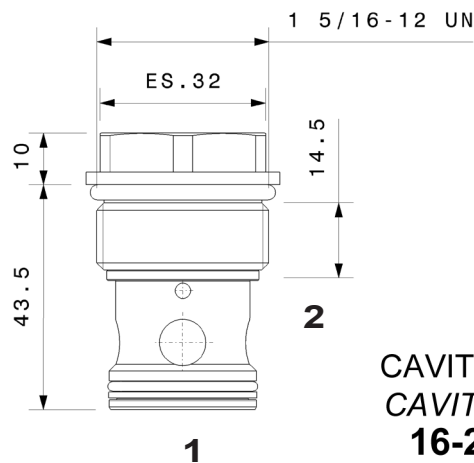
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Valvola unidirezionale a cartuccia
 Check valve – cartridge type
 mod. VNR16-C

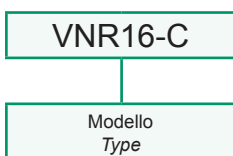


Portata massima Max flow	150 l/min 40 gpm
Pressione massima Max pressure	300 bar 4300 psi
Pressione di apertura Cracking pressure	1 bar 14.5 psi
Coppia di serraggio Installation torque	180 ÷ 210 Nm 130 ÷ 150 lb ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

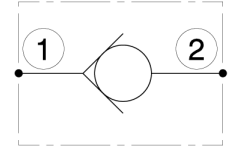
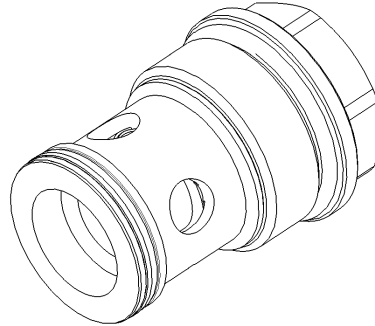
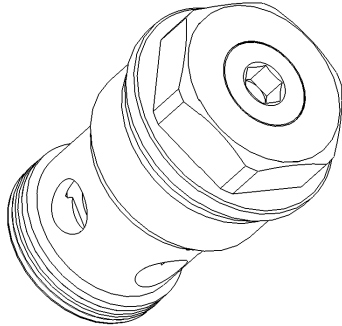


Sigla di ordinazione / Ordering code



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

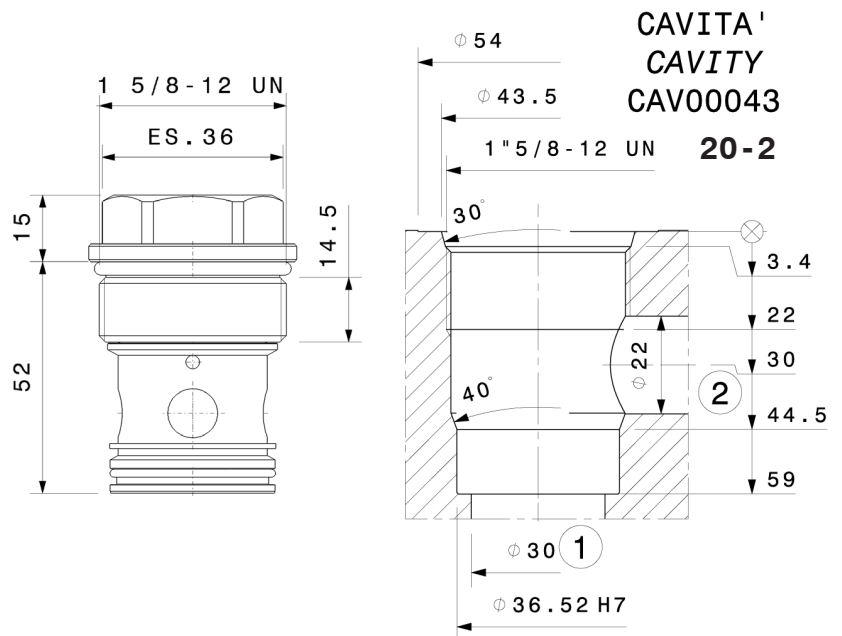
Valvola unidirezionale a cartuccia
 Check valve – cartridge type
 mod. VNR20-C



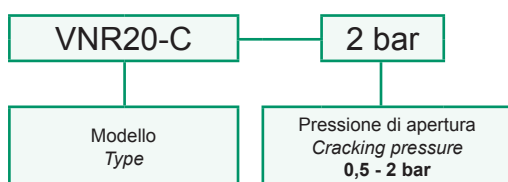
Portata massima Max flow	280 l/min 75 gpm
Pressione massima Max pressure	300 bar 4300 psi
Pressione di apertura Cracking pressure	0,5 bar 7 psi 2 bar 29 psi
Coppia di serraggio Installation torque	200 ÷ 220 Nm 150 ÷ 165 lb ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

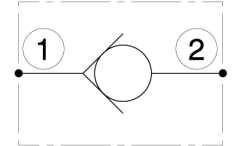
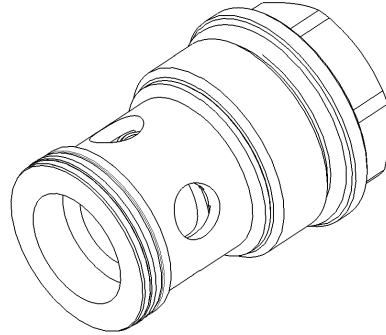
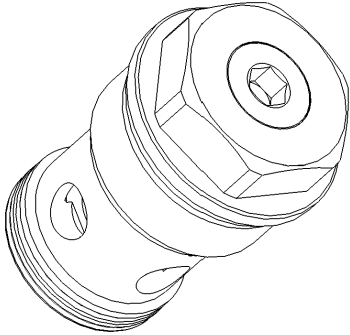


Sigla di ordinazione / Ordering code



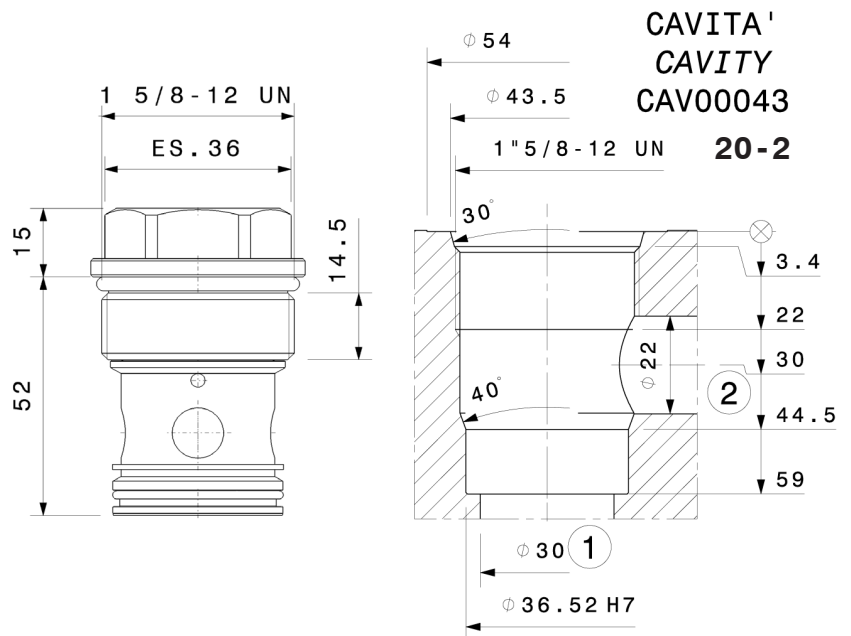
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola unidirezionale a cartuccia
 Check valve – cartridge type
 mod. VNR20-C-D23

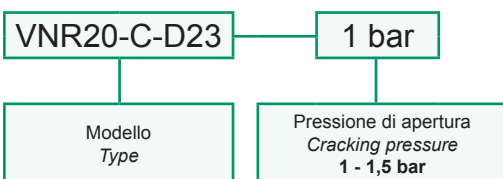


Portata massima Max flow	360 l/min 95 gpm
Pressione massima Max pressure	300 bar 4300 psi
Pressione di apertura Cracking pressure	1 bar 14.5 psi 1.5 bar 22 psi
Coppia di serraggio Installation torque	200 ÷ 220 Nm 150 ÷ 165 lb ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

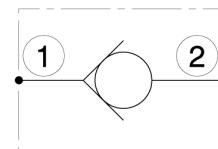
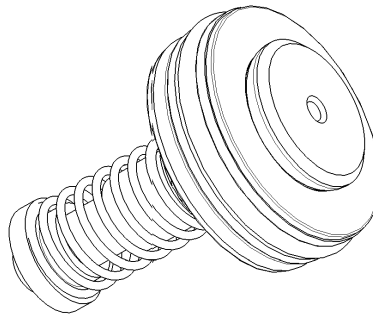
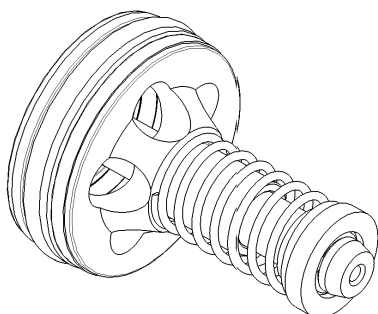


Sigla di ordinazione / Ordering code

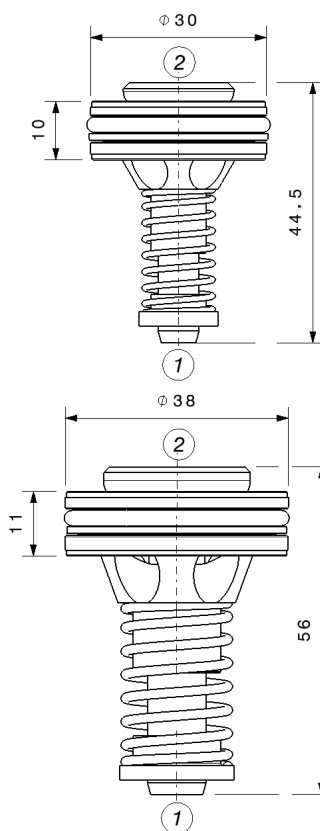


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Valvola unidirezionale ad inserto
 Check valve insert
 mod. VNRI30 - VNRI38

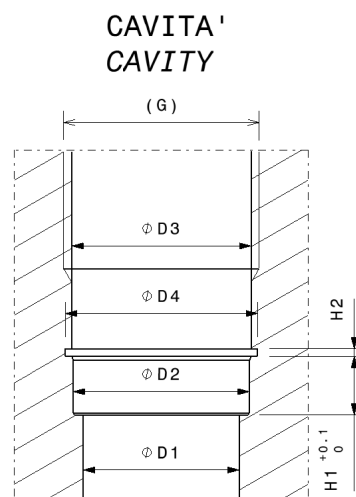


Modello Type	Portata massima Max Flow	Pressione massima Max pressure
VNRI30	150 l/min 39.5 gpm	350 bar 5000 psi
VNRI38	300 l/min 79 gpm	350 bar 5000 psi
Pressione di apertura Cracking pressure		0.5 bar 7.3 psi



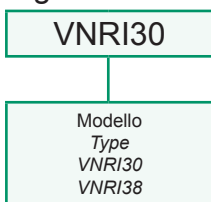
**INSERTO
VNRI 30**

**INSERTO
VNRI 38**



	D1 mm	D2 mm	D3 mm	D4 mm	G FILETTO THREAD	H1 mm	H2 mm	anello d'arresto retaining ring DIN472 UNI 3654-7437
VNRI30	26,5	30H7	30,5	32,7	G1	10	1,3	J31
VNRI38	34	38H7	39	41	G1 - 1/4	11	1,6	J39

Sigla di ordinazione / Ordering code

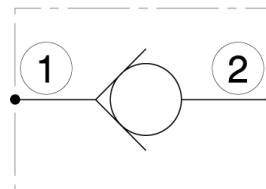
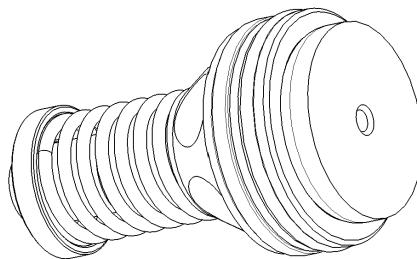
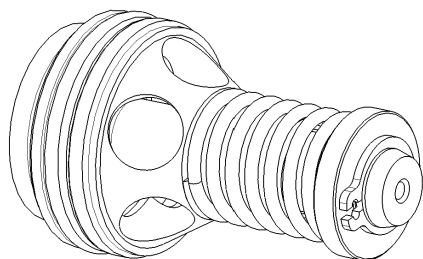


Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

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Valvola unidirezionale ad inserto
Check valve insert

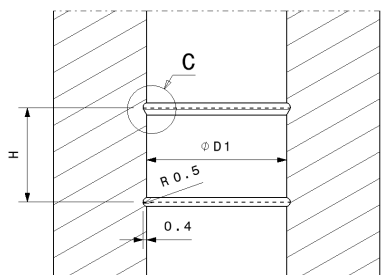
mod. VNRI80D15- VNRI130D18 - VNRI200D27



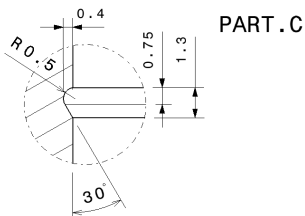
Modello Type	Portata massima Max Flow	Pressione massima Max pressure
VNRI80D15	90 l/min 23.5 gpm	350 bar 5000 psi
VNRI130D18	130 l/min 34 gpm	350 bar 5000 psi
VNRI200D27	200 l/min 53 gpm	350 bar 5000 psi

Pressione di apertura Cracking pressure	0.5 bar 7.3 psi
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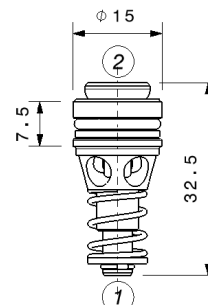
CAVITA'
CAVITY



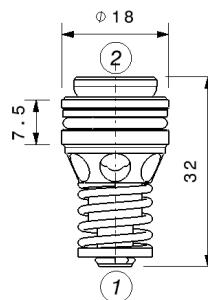
	D1 mm	H mm	anello d'arresto retaining ring
VNRI80 D.15	15 H7	10	COD. ANL00057
VNRI130 D.18	18 H7	10	COD. ANL00038
VNRI200 D.27	27 H7	9,5	COD. ANL00056



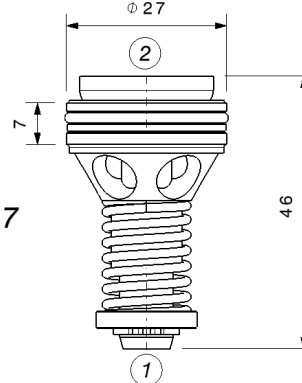
INSERTO
VNRI80 Ø15



INSERTO
VNRI130 Ø18



INSERTO
VNRI200 Ø27



Sigla di ordinazione / Ordering code

VNRI80D15

Modello

Type

VNRI80D15

VNRI130D18

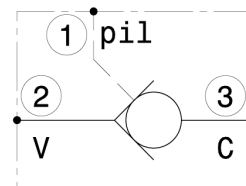
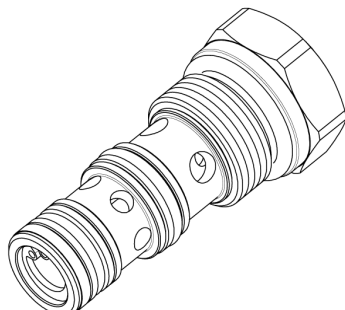
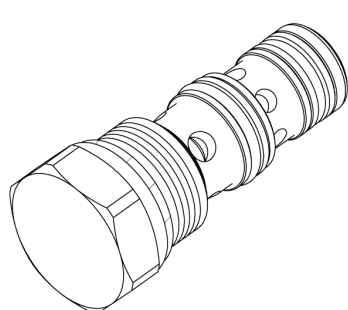
VNRI200D27

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

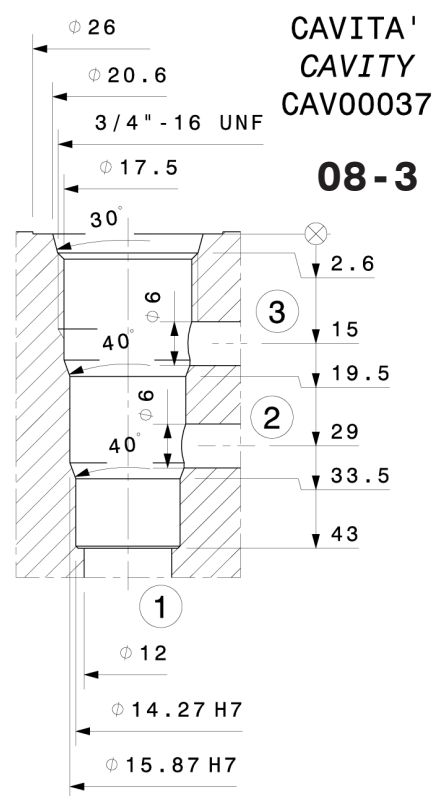
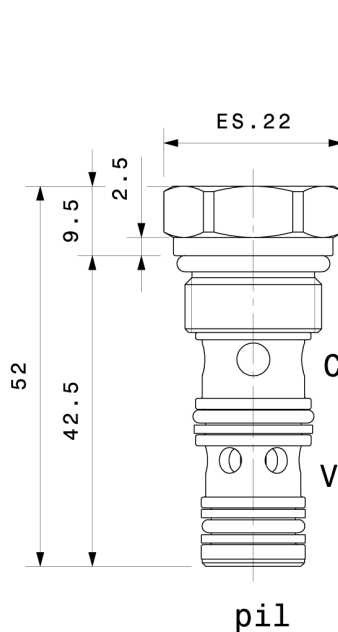
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola unidirezionale pilotata a cartuccia
 Pilot operated check valve – cartridge type
 mod. VBP20-08-C



Portata massima Max flow	20 l/min 5.3 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio Pilot Ratio	3:1
Pressione di apertura Cracking pressure	3 bar 43 psi
Coppia di serraggio Installation torque	30 ÷ 35 Nm 22.5 ÷ 26 lbf ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



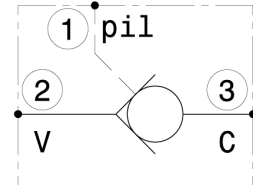
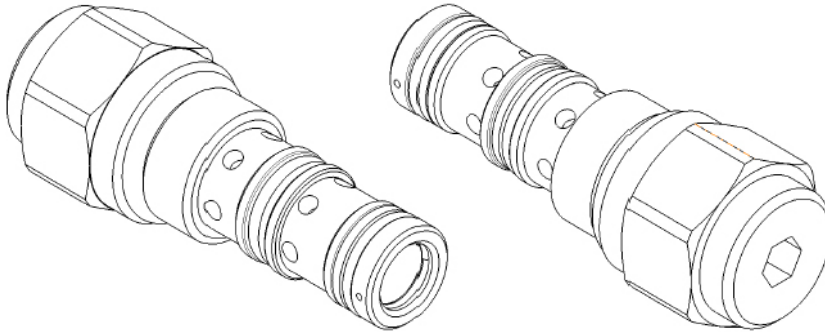
Sigla di ordinazione / Ordering code

VBP20-08-C

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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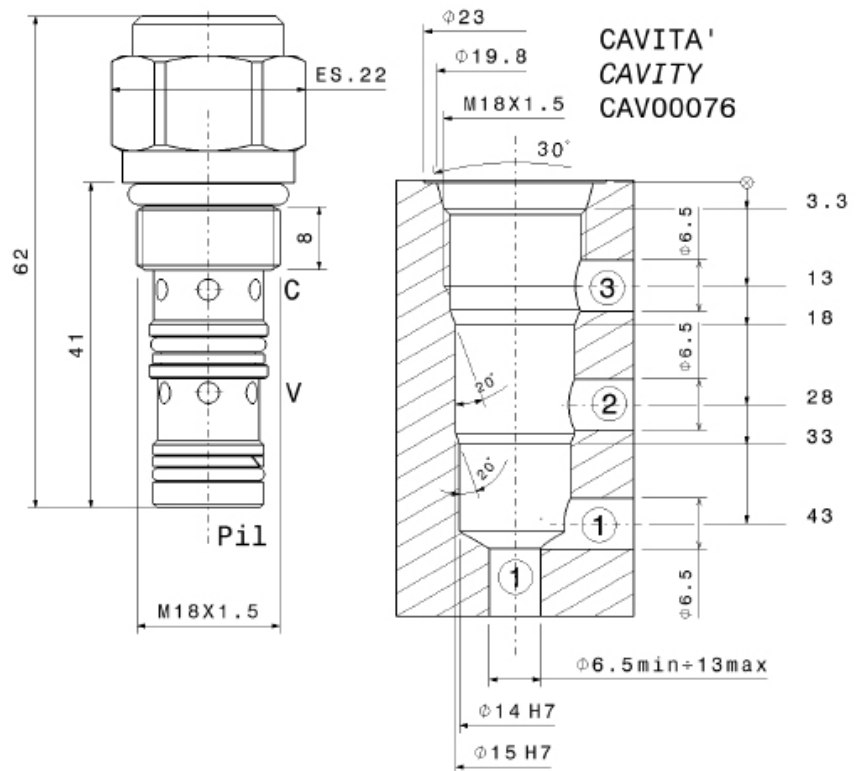
Valvola unidirezionale pilotata a cartuccia
 Pilot operated check valve – cartridge type
 mod. VBP20-C



Portata massima Max flow	20 l/min 5.3 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio Pilot Ratio	3:1
Pressione di apertura Cracking pressure	4 bar 58 psi
Coppia di serraggio Installation torque	30 ÷ 35 Nm 22.5 ÷ 26 lbf ft

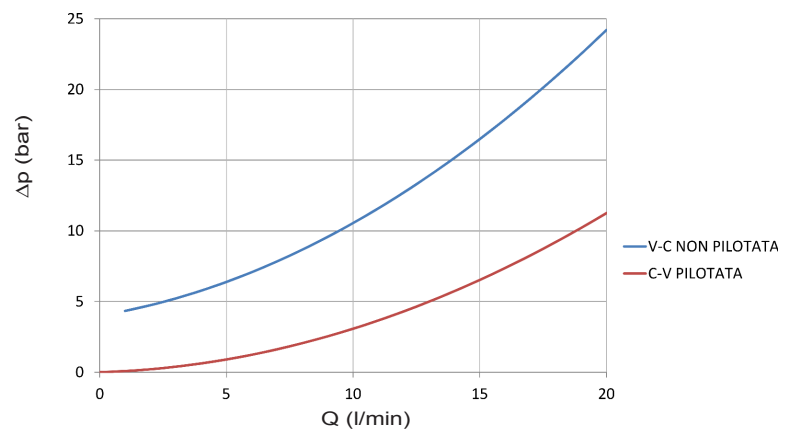
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



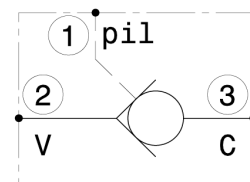
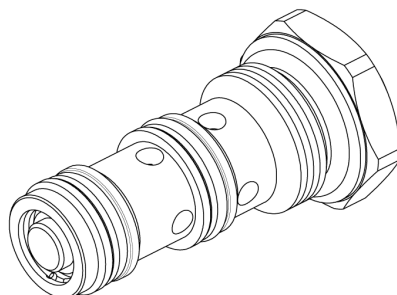
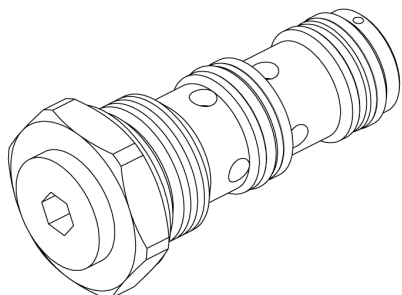
Sigla di ordinazione / Ordering code

VBP20-C
Modello Type



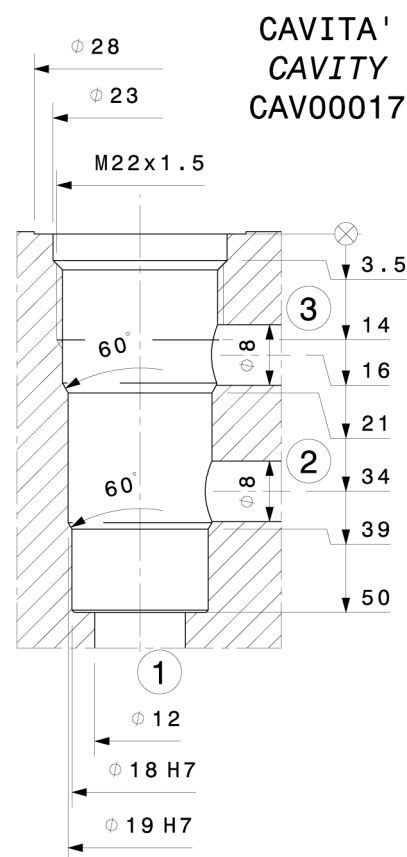
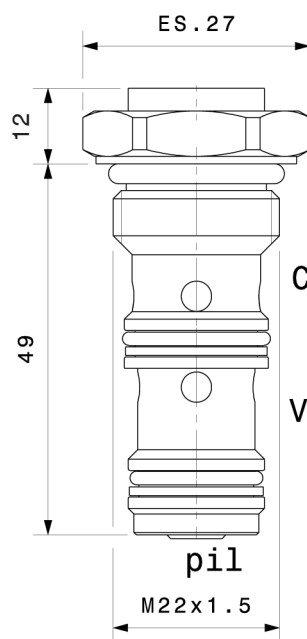
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola unidirezionale pilotata a cartuccia
 Pilot operated check valve – cartridge type
 mod. VBP40-C

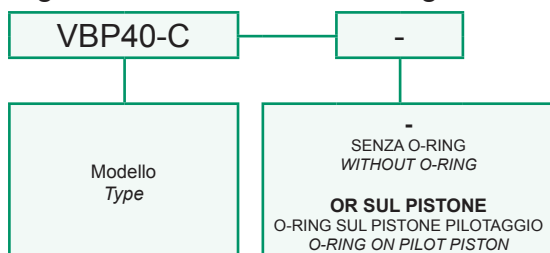


Portata massima Max flow	40 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio Pilot Ratio	3,4:1
Pressione di apertura Cracking pressure	3 bar 43 psi
Coppia di serraggio Installation torque	65 ÷ 70 Nm 49 ÷ 52 lbf ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

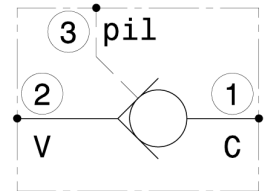
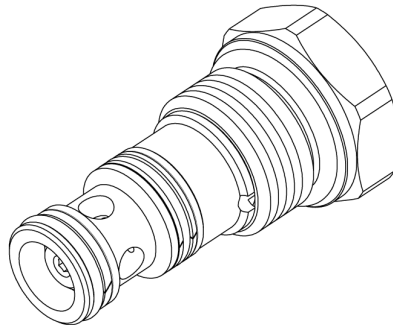
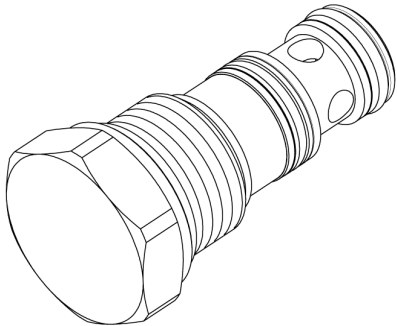


Sigla di ordinazione / Ordering code



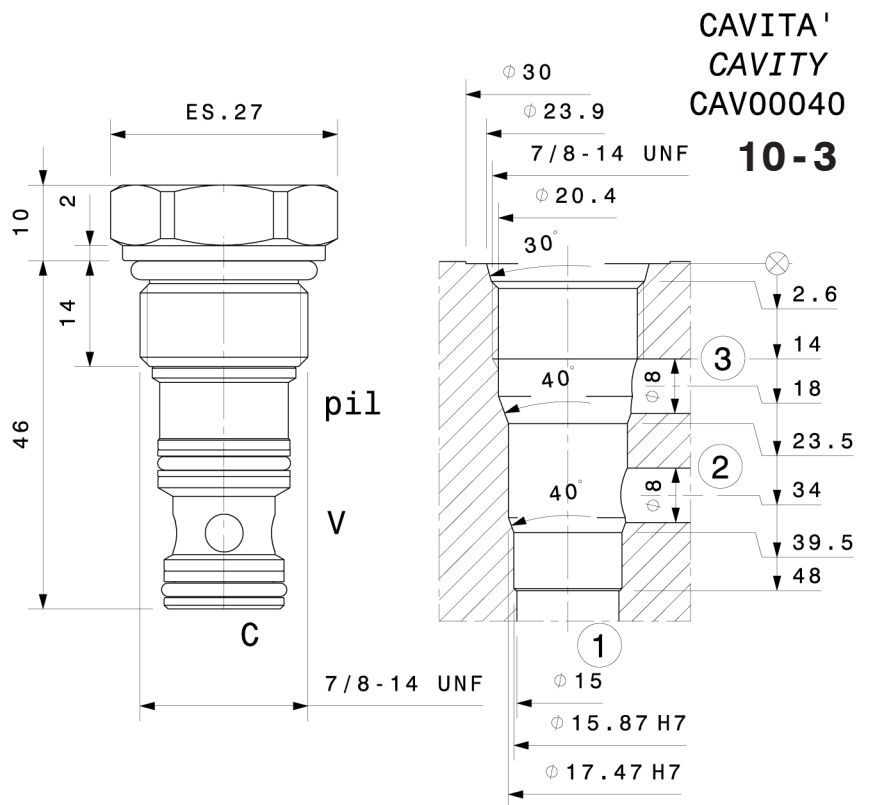
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Valvola unidirezionale pilotata a cartuccia
 Pilot operated check valve – cartridge type
 mod. VBP60-10-C-P3



Portata massima Max flow	60 l/min 16 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio Pilot Ratio	4:1
Pressione di apertura Cracking pressure	1 bar 14 psi
Coppia di serraggio Installation torque	50 ÷ 60 Nm 37 ÷ 45 lbf ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



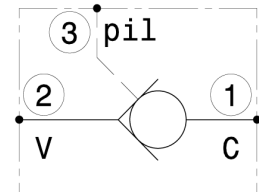
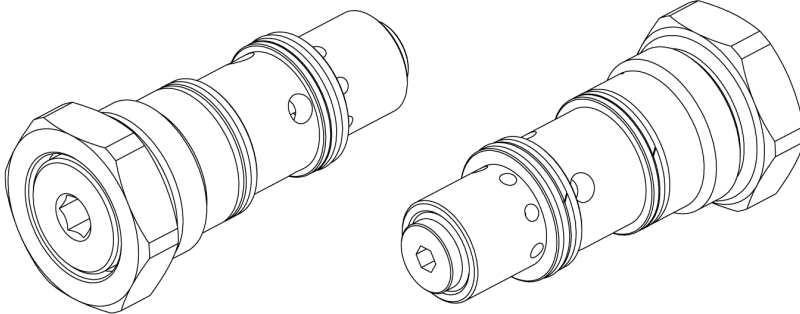
Sigla di ordinazione / Ordering code

VBP60-10-C-P3

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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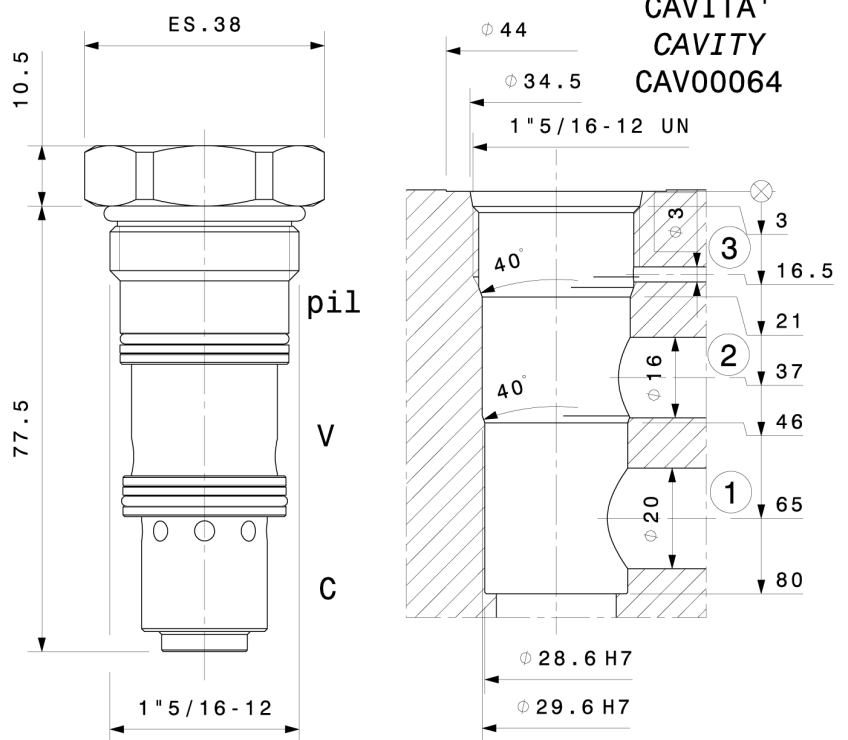
Valvola unidirezionale pilotata a cartuccia
Pilot operated check valve – cartridge type
mod. VBP90-C



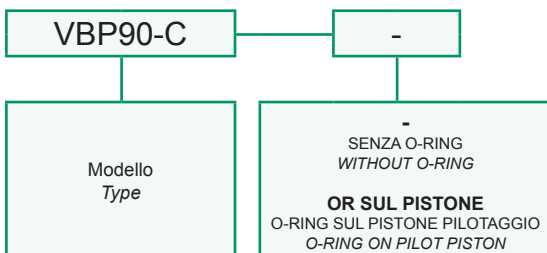
Portata massima <i>Max flow</i>	90 l/min 24 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio <i>Pilot Ratio</i>	4:1
Pressione di apertura <i>Cracking pressure</i>	0,5 bar 7.2 psi
Coppia di serraggio <i>Installation torque</i>	180 ÷ 200 Nm 135 ÷ 150 lbf ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

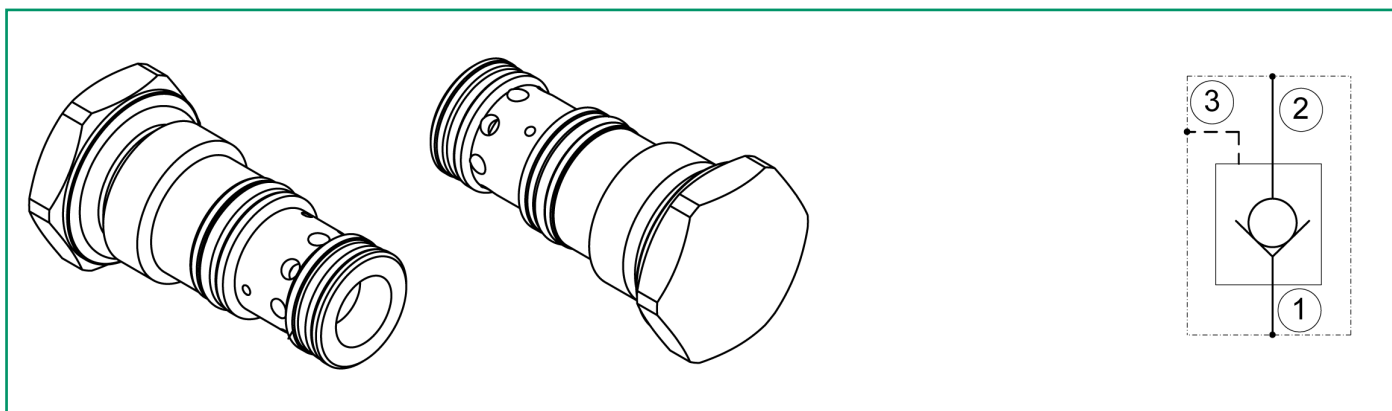


Sigla di ordinazione / Ordering code



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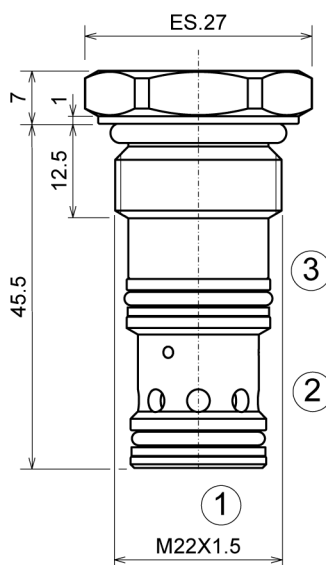
Valvola di blocco pilotata in chiusura a cartuccia
 Check valve, pilot to close – cartridge type
 mod. VBPC-22-C



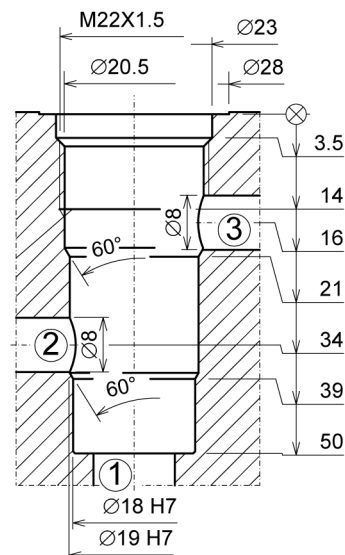
Portata massima Max flow	60 l/min 16 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio Pilot Ratio	1,5:1
Pressione di apertura Cracking pressure	3,5 bar 50 psi
Coppia di serraggio Installation torque	40 ÷ 45 Nm 30 ÷ 34 lbf ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

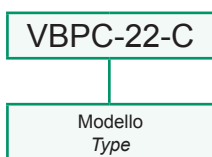
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



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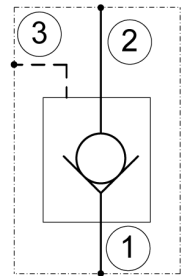
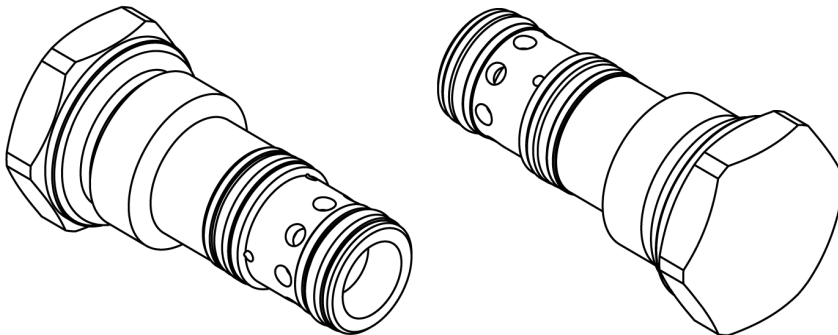


Sigla di ordinazione / Ordering code



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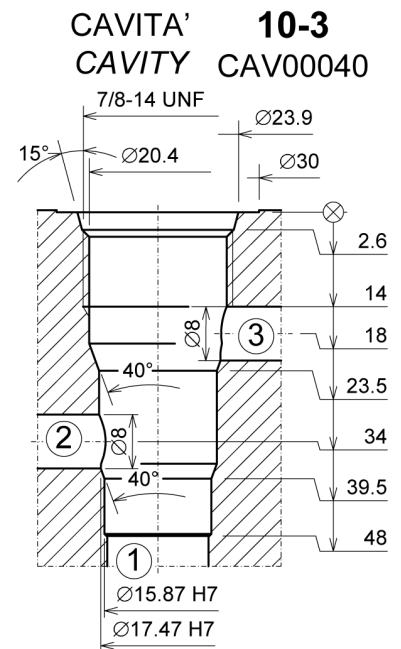
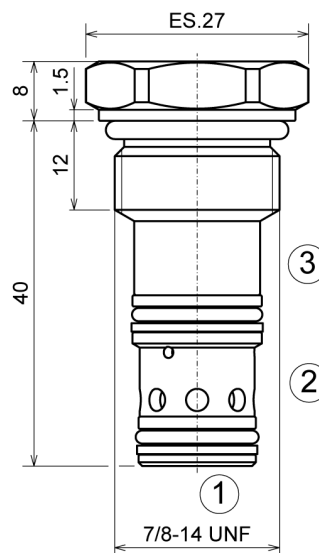
Valvola di blocco pilotata in chiusura a cartuccia
 Check valve, pilot to close – cartridge type
 mod. VBPC-10-C



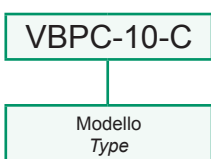
Portata massima Max flow	60 l/min 16 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio Pilot Ratio	1,5:1
Pressione di apertura Cracking pressure	3,5 bar 50 psi
Coppia di serraggio Installation torque	40 ÷ 45 Nm 30 ÷ 34 lbf ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

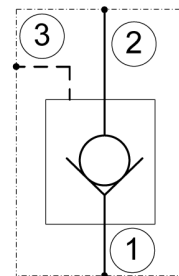
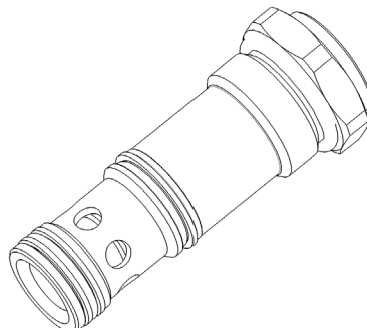
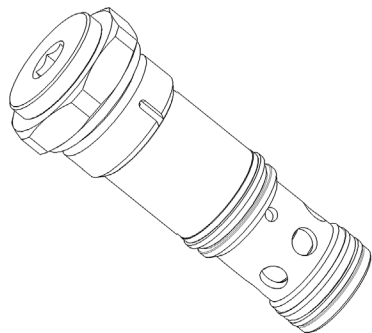


Sigla di ordinazione / Ordering code



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

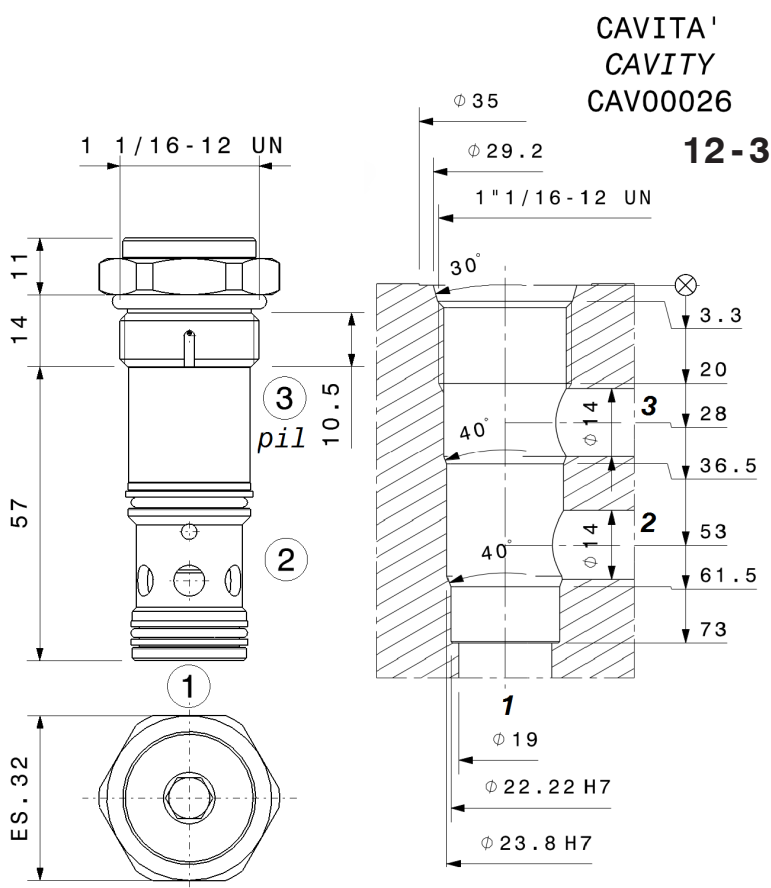
Valvola di blocco pilotata in chiusura a cartuccia
 Check valve, pilot to close – cartridge type
 mod. VBPC-12-C



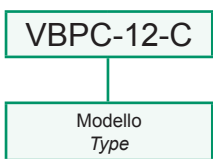
Portata massima Max flow	110 l/min 29 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio Pilot Ratio	1,9:1
Pressione di apertura Cracking pressure	1 bar 14.5 psi
Coppia di serraggio Installation torque	110 ÷ 120 Nm 82 ÷ 90 lbf ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

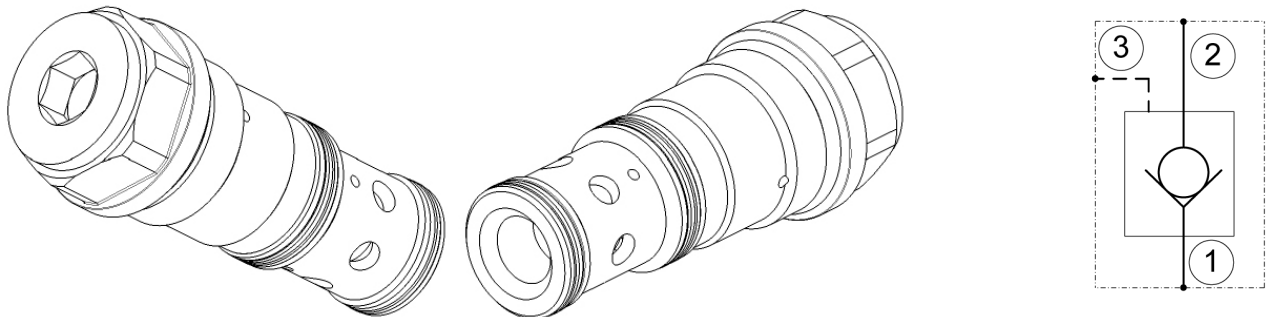


Sigla di ordinazione / Ordering code



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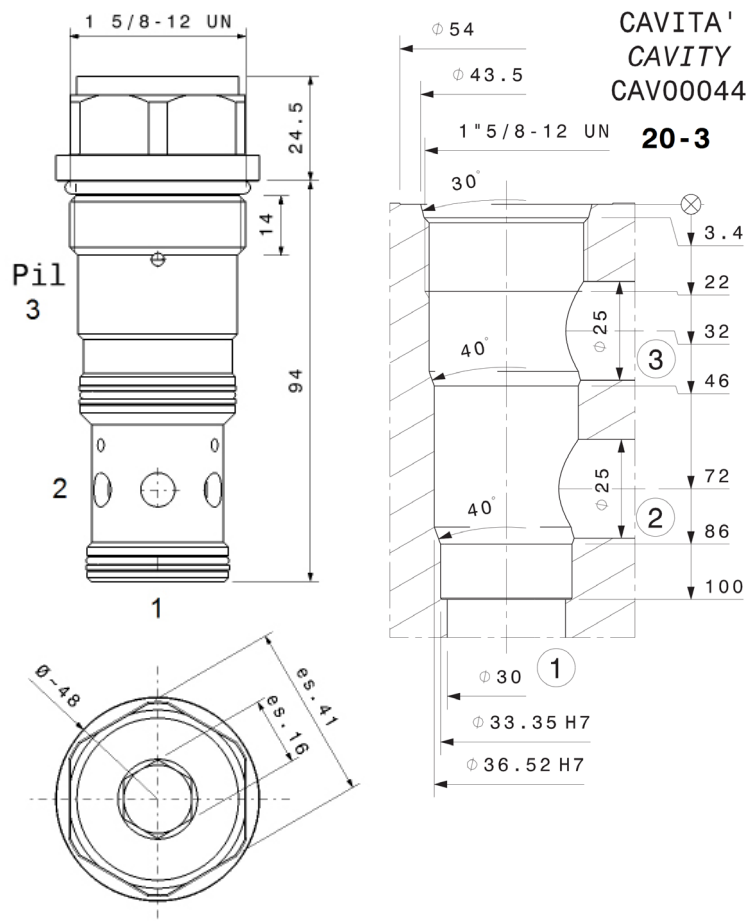
Valvola di blocco pilotata in chiusura a cartuccia
 Check valve, pilot to close – cartridge type
 mod. VBPC-20-C



Portata massima Max flow	150 l/min 40 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio Pilot Ratio	2:1
Pressione di apertura Cracking pressure	2 bar 29 psi
Coppia di serraggio Installation torque	230 ÷ 250 Nm 170 ÷ 190 lbf ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



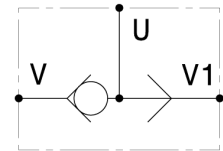
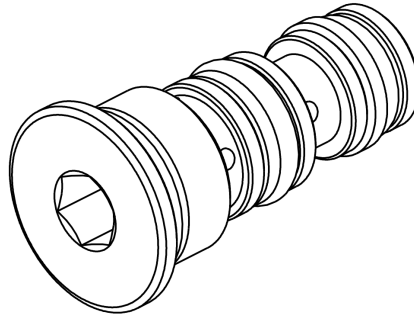
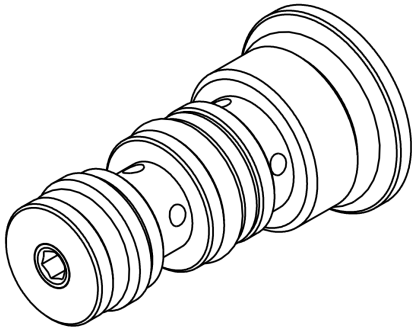
Sigla di ordinazione / Ordering code

VBPC-20-C

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

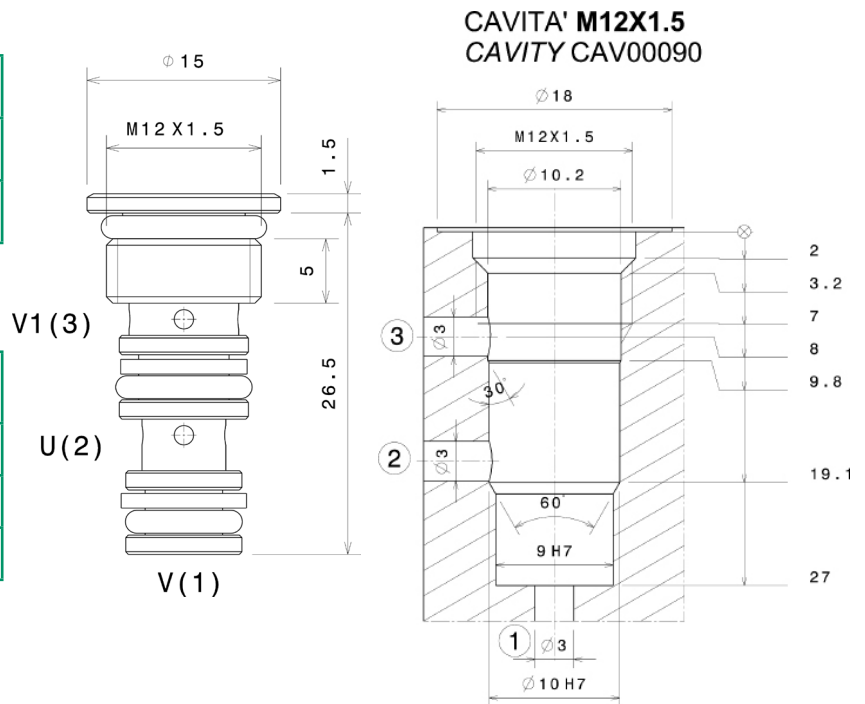
Valvola selettiva a cartuccia
 Shuttle valve – cartridge type
 mod. VS03-C M12x1.5



Portata massima Max flow	3 l/min 0.8 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	12 ÷ 15 Nm 9 ÷ 11 lbf ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

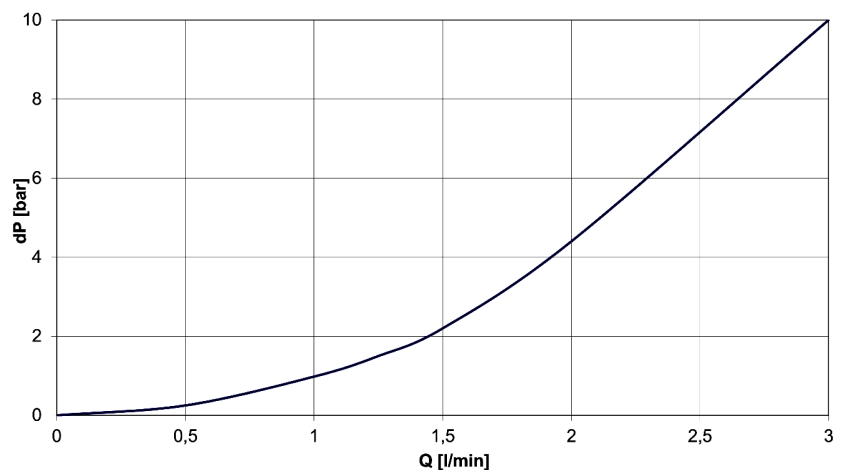
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Sigla di ordinazione / Ordering code

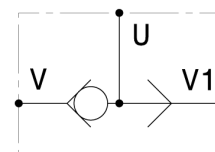
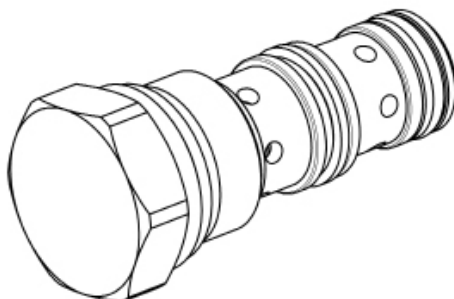
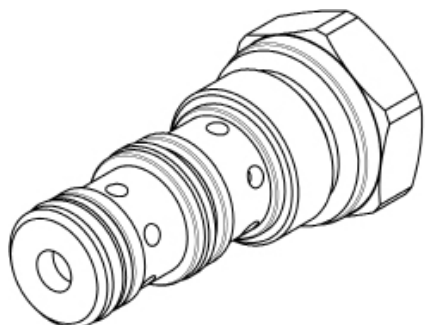
VS03-C M12X1.5

Modello
 Type



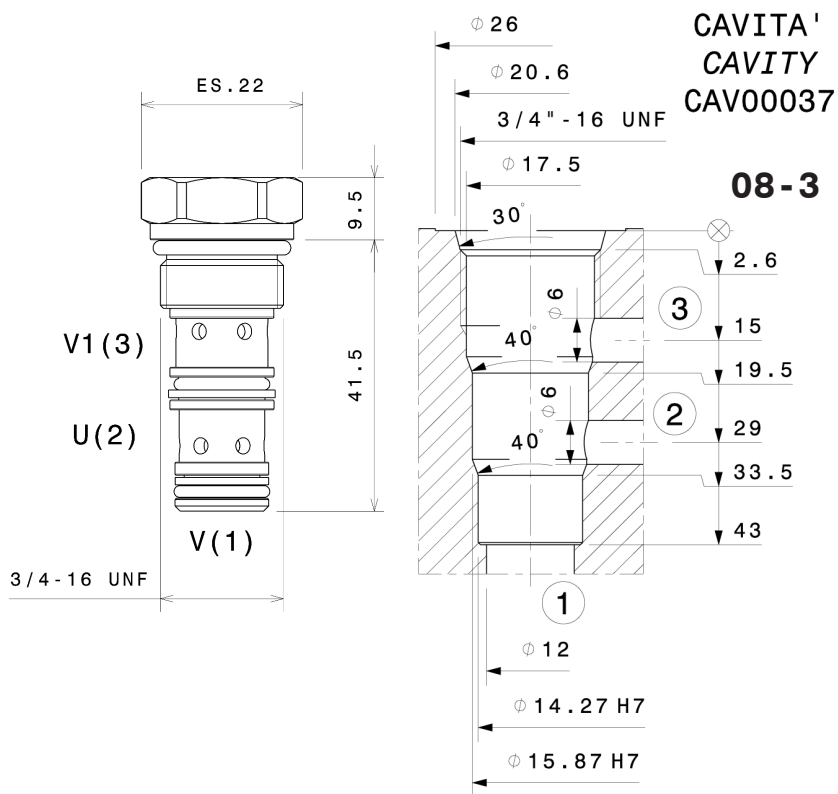
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola selettiva a cartuccia
Shuttle valve – cartridge type
mod. VS25-08-C



Portata massima Max flow	25 l/min 6.6 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	30 ÷ 35 Nm 22.5 ÷ 26 lbf ft

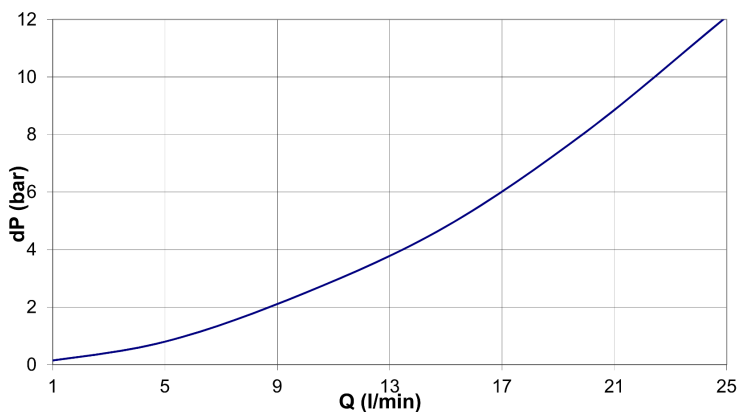
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Sigla di ordinazione / Ordering code

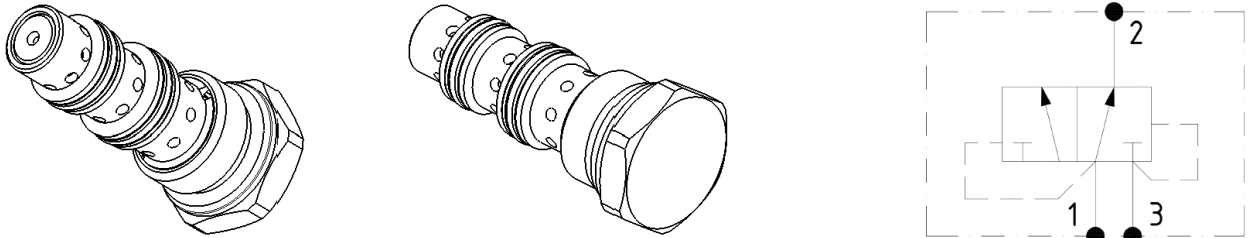
VS25-08-C

Modello
Type



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

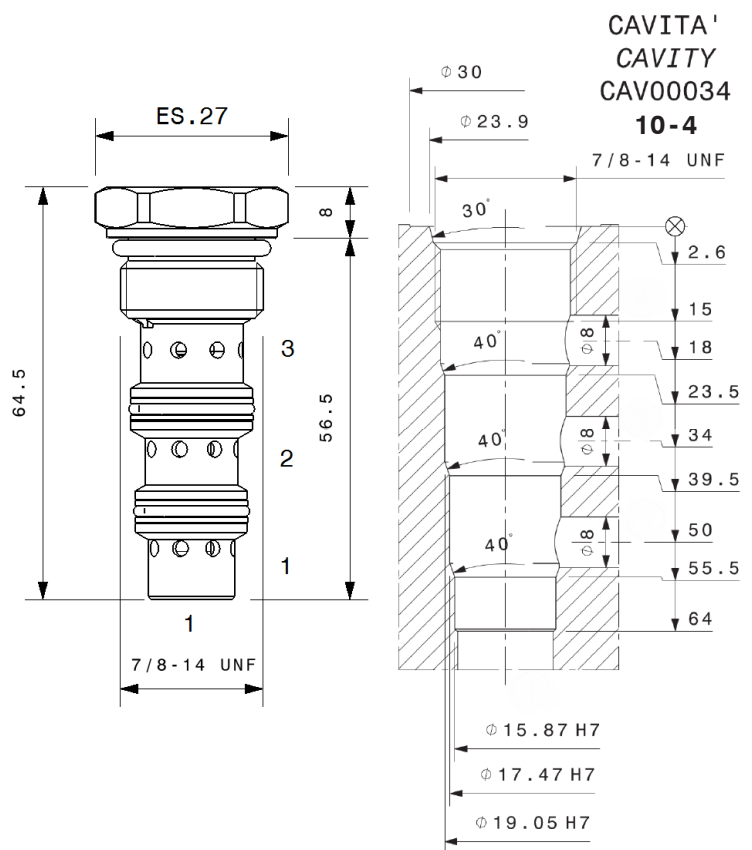
Valvola selettiva a spola a tre vie, due posizioni
 Two Position, 3 Way Shuttle Valve – spool type
 mod. VHS10-C



Portata massima Max flow	60 l/min 16 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	35 ÷ 40 Nm 26 ÷ 30 lbf ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

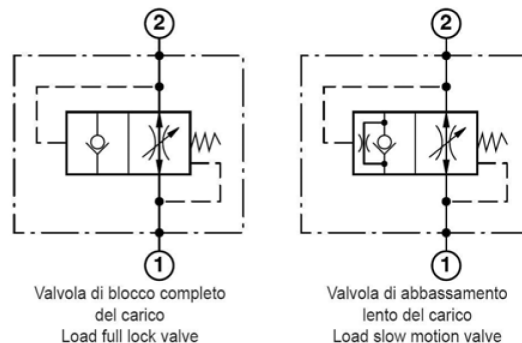
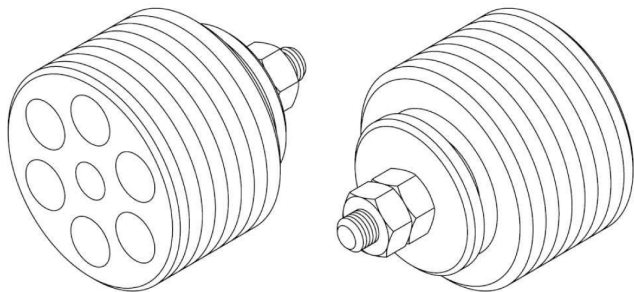


Sigla di ordinazione / Ordering code

VHS10-C
Modello Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola paracadute
Screw-in cartridge hose burst valve
mod. VPN

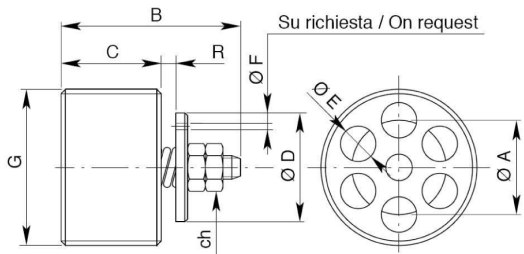
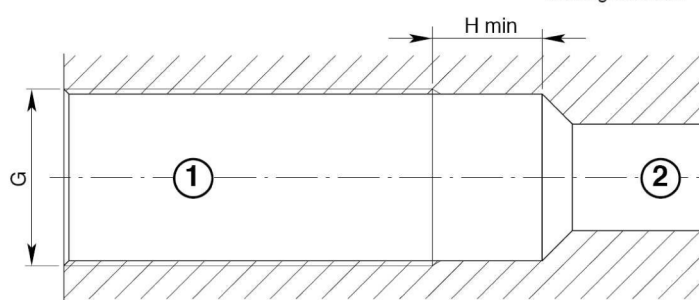
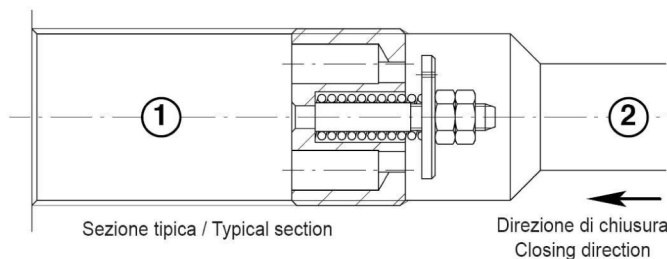


Dopo il nostro montaggio le valvole risultano regolate rispettivamente a circa 0.5mm (per G=1/4" gas e G=3/8" gas) e 0.7mm (per G=1/2" gas e G=3/4" gas).

After our assembly procedure the valves are respectively set at about 0.5mm (for G=1/4" gas and G=3/8" gas) and 0.7mm (for G=1/2" gas and G=3/4" gas).

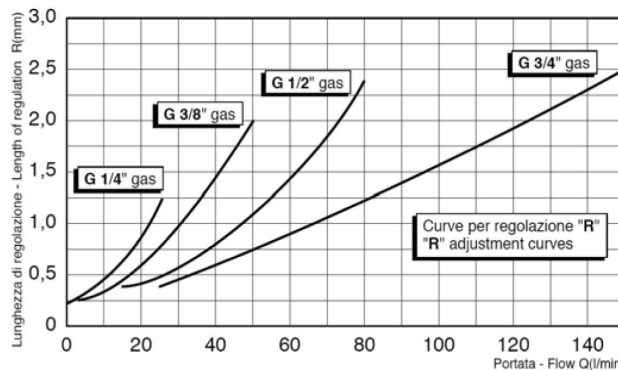
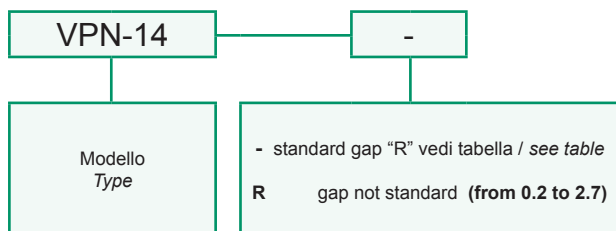
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Modello Type	G	A	B	C	D	E	H	R	ch	Coppia di serraggio Torque	Portata max Max flow	Pressione massima Max pressure
VPN-14	1/4" GAS	8.5	17.5	8	9.5	2.4	11	0.5	5.5	2 Nm 1.5 lb ft	25 l/min 6.6 gpm	350 bar 5000 psi
VPN-38	3/8" GAS	10,5	23	10.5	12.5	3.5	11	0.5	5.5	3 Nm 2.25 lb ft	50 l/min 13 gpm	350 bar 5000 psi
VPN-12	1/2" GAS	13	25	12	15	4.5	15	0.7	7	4 Nm 3 lb ft	80 l/min 21 gpm	350 bar 5000 psi
VPN-34	3/4" GAS	16	30.5	17	18	6	16	0.7	7	10 Nm 7.5 lb ft	150 l/min 40 gpm	350 bar 5000 psi

Sigla di ordinazione / Ordering code

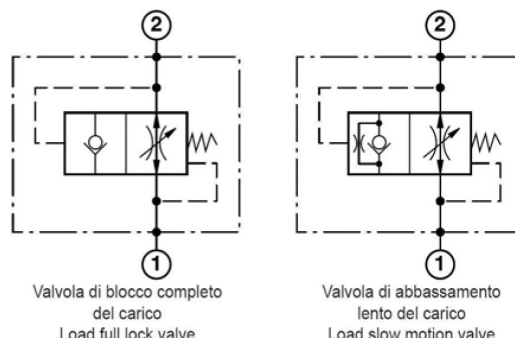
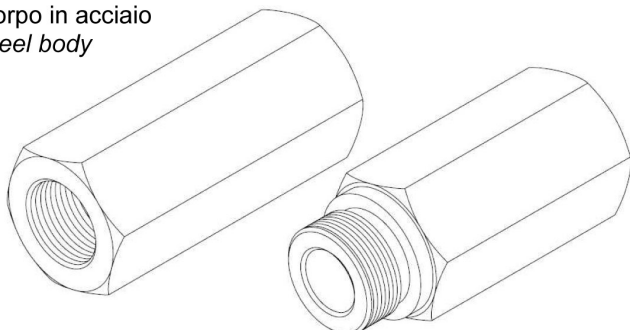


I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola paracadute - colonnetta
Hose burst valve

mod. VPN-MF / FF

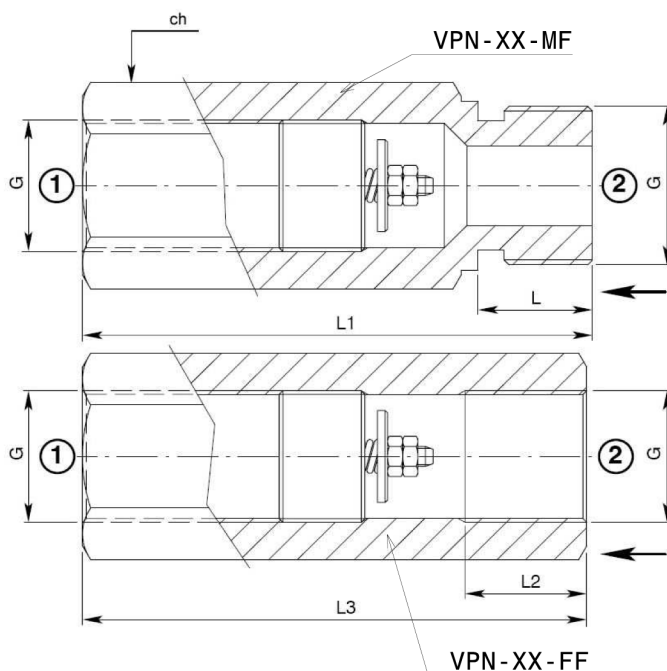
Corpo in acciaio
Steel body



Dopo il nostro montaggio le valvole risultano regolate rispettivamente a circa 0.5 mm (per G=1/4" gas e G=3/8" gas) e 0.7 mm (per G=1/2" gas e G=3/4" gas).
After our assembly procedure the valves are respectively set at about 0.5 mm (for G=1/4" gas and G=3/8" gas) and 0.7 mm (for G=1/2" gas and G=3/4" gas).

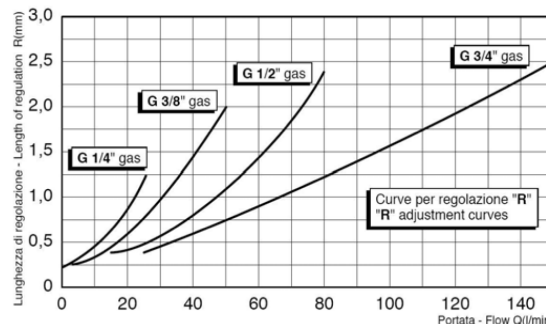
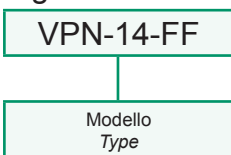
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Modello Type	G	L	L1	L2	L3	Ch	Portata massima Max Flow	Pressione massima Max pressure
VPN-14-MF / VPN-14-FF	1/4" GAS	10	50	13	48	19	25 l/min 6.6 gpm	350 bar 5000 psi
VPN-38-MF / VPN-38-FF	3/8" GAS	12	55	13	52	22	50 l/min 13 gpm	350 bar 5000 psi
VPN-12-MF / VPN-12-FF	1/2" GAS	14	70	14	60	27	80 l/min 21 gpm	350 bar 5000 psi
VPN-34-MF / VPN-34-FF	3/4" GAS	16	75	17	72	32	150 l/min 40 gpm	350 bar 5000 psi

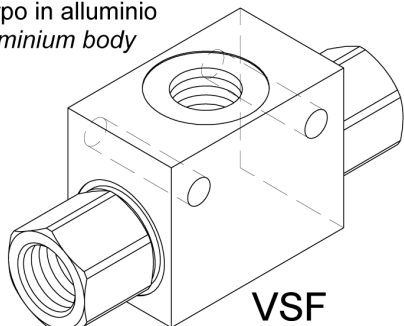
Sigla di ordinazione / Ordering code



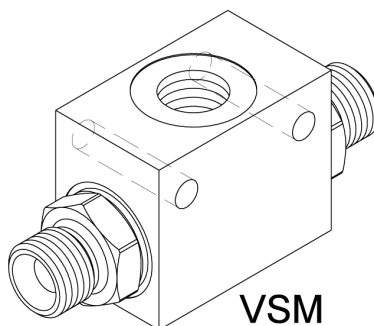
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola selettiva
Shuttle valve
mod. VSF / VSM

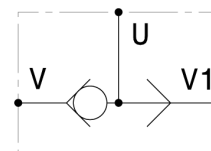
Corpo in alluminio
Aluminium body



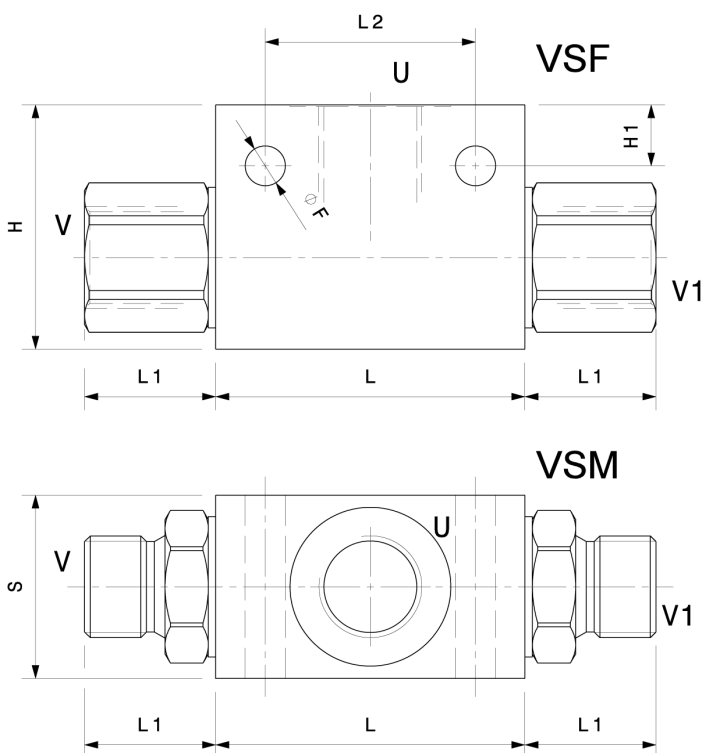
VSF



VSM



Modello Type	V V1 U	Portata massima Max Flow	Pressione massima Max pressure
VSF-14	1/4" GAS	20 l/min 5.3 gpm	350 bar 5000 psi
VSF-38	3/8" GAS	40 l/min 10.5 gpm	350 bar 5000 psi
VSF-12	1/2" GAS	60 l/min 16 gpm	350 bar 5000 psi
VSF-34	3/4" GAS	100 l/min 26 gpm	280 bar 4000 psi
VSM-14	1/4" GAS	20 l/min 5.3 gpm	350 bar 5000 psi
VSM-38	3/8" GAS	40 l/min 10.5 gpm	350 bar 5000 psi
VSM-12	1/2" GAS	60 l/min 16 gpm	350 bar 5000 psi
VSM-34	3/4" GAS	100 l/min 26 gpm	280 bar 4000 psi



Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Sigla di ordinazione / Ordering code

VSM-38

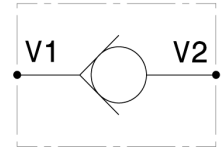
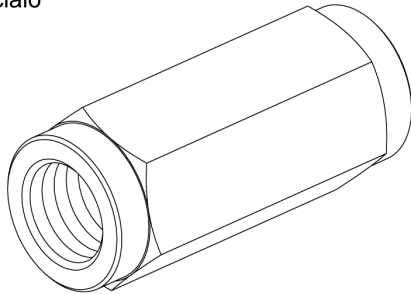
Modello
Type

Dimensioni Dimensions	L	L1	L2	H	H1	S	F
VSF-14	40	9	27	40	6	30	6.5
VSF-38	50	21	34	40	10	30	6.5
VSF-12	60	26	40	50	10	30	6.5
VSF-34	60	30	45	60	10	40	8.5
VSM-14	40	31	27	40	6	30	6.5
VSM-38	50	21	34	40	10	30	6.5
VSM-12	60	28	40	50	10	30	6.5
VSM-34	60	27	45	60	10	40	8.5

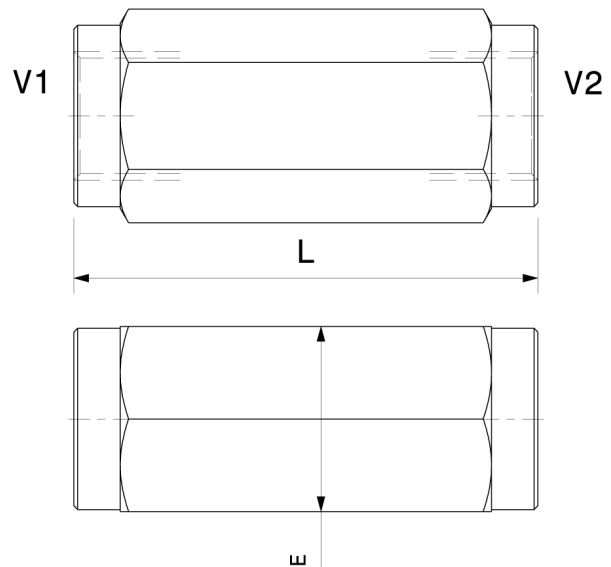
I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola unidirezionale in linea a sfera e a cono, filettata femmina - femmina
In line check valve, ball and poppet type, female - female threaded
 mod. **VU-SF** (sfera - ball) / **VU-SP** (cono - poppet)

Corpo in acciaio
Steel body



Modello Type	V1 V2	Portata massima Max Flow	Pressione massima Max pressure
VU14-SF	1/4" GAS	15 l/min 4 gpm	500 bar 7250 psi
VU38-SF	3/8" GAS	30 l/min 8 gpm	500 bar 7250 psi
VU12-SF	1/2" GAS	50 l/min 13 gpm	500 bar 7250 psi
VU34-SF	3/4" GAS	90 l/min 24 gpm	350 bar 5000 psi
VU14-SP	1/4" GAS	15 l/min 4 gpm	500 bar 7250 psi
VU38-SP	3/8" GAS	30 l/min 8 gpm	500 bar 7250 psi
VU12-SP	1/2" GAS	50 l/min 13 gpm	500 bar 7250 psi
VU34-SP	3/4" GAS	90 l/min 24 gpm	350 bar 5000 psi
VU10-SP	1" GAS	150 l/min 40 gpm	350 bar 5000 psi



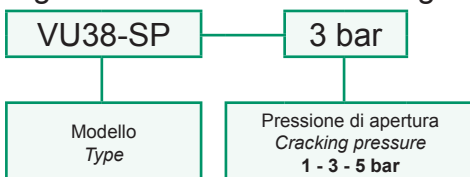
Pressione di apertura Cracking pressure	1 bar	14.5 psi
	3 bar	43 psi
	5 bar	72 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

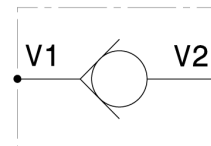
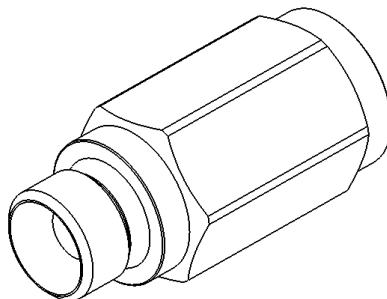
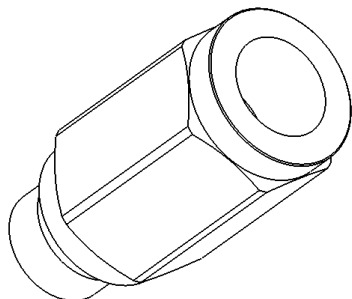
Dimensioni Dimensions	L	E
VU14-SF	55	ES. 19
VU38-SF	60	ES. 24
VU12-SF	70	ES. 27
VU34-SF	85	ES. 36
VU14-SP	55	ES. 19
VU38-SP	60	ES. 24
VU12-SP	70	ES. 27
VU34-SP	85	ES. 36
VU10-SP	100	ES. 41

Sigla di ordinazione / Ordering code



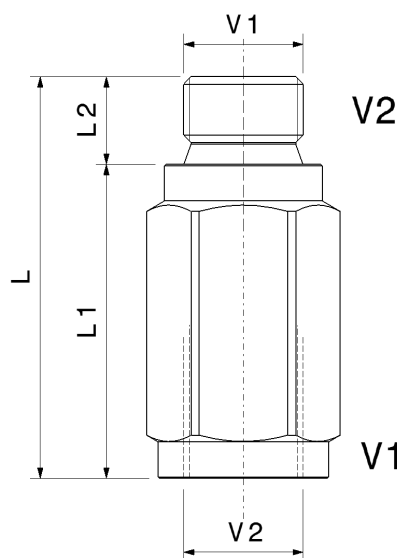
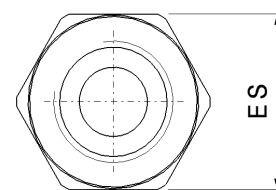
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola unidirezionale in linea a sfera e a cono, filettata maschio - femmina
In line check valve, ball and poppet type, male - female threaded
 mod. **VUMF-SF** (sfera - ball) / **VUMF-SP** (cono - poppet)



Corpo in acciaio
 Steel body

Modello Type	V1 V2	Portata massima Max Flow	Pressione massima Max pressure
VU14MF-SF	1/4" GAS	15 l/min 4 gpm	500 bar 7250 psi
VU38MF-SF	3/8" GAS	30 l/min 8 gpm	500 bar 7250 psi
VU12MF-SF	1/2" GAS	50 l/min 13 gpm	500 bar 7250 psi
VU34MF-SF	3/4" GAS	90 l/min 24 gpm	350 bar 5000 psi
VU14MF-SP	1/4" GAS	15 l/min 4 gpm	500 bar 7250 psi
VU38MF-SP	3/8" GAS	30 l/min 8 gpm	500 bar 7250 psi
VU12MF-SP	1/2" GAS	50 l/min 13 gpm	500 bar 7250 psi
VU34MF-SP	3/4" GAS	90 l/min 24 gpm	350 bar 5000 psi
VU10MF-SP	1" GAS	150 l/min 40 gpm	350 bar 5000 psi

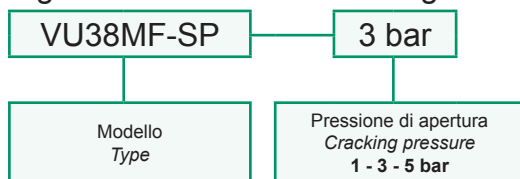


Pressione di apertura Cracking pressure	1 bar 14.5 psi
	3 bar 43 psi
	5 bar 72 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C <i>Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C</i>	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Dimensioni Dimensions	V1-V2	L (mm)	L1 (mm)	L2 (mm)	Es. (mm)
VU14MF-SF	1/4" GAS	50	40	10	ES. 19
VU38MF-SF	3/8" GAS	55	43	12	ES. 24
VU12MF-SF	1/2" GAS	65	51	14	ES. 27
VU34MF-SF	3/4" GAS	80	64	16	ES. 36
VU14MF-SP	1/4" GAS	50	40	10	ES. 19
VU38MF-SP	3/8" GAS	55	43	12	ES. 24
VU12MF-SP	1/2" GAS	65	51	14	ES. 27
VU34MF-SP	3/4" GAS	80	64	16	ES. 36
VU10MF-SP	1" GAS	95	76	19	ES. 41

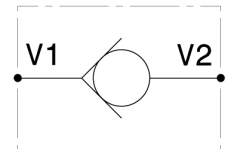
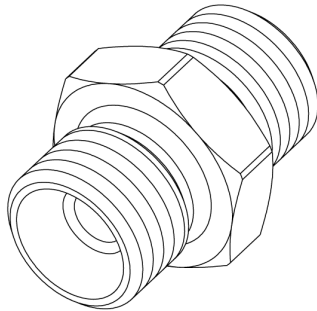
Sigla di ordinazione / Ordering code



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola unidirezionale in linea, tenuta a cono
In line check valve, poppet type
 mod. VU-MM

Corpo in acciaio
Steel body

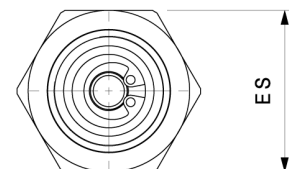
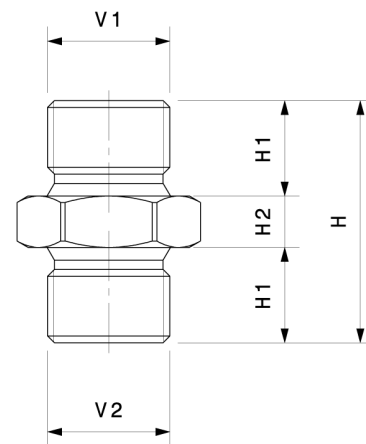


Modello Type	V1 V2	Portata massima Max Flow	Pressione massima Max pressure
VU38-MM	3/8" GAS	25 l/min 6.5 gpm	350 bar 5000 psi
VU12-MM	1/2" GAS	40 l/min 10.5 gpm	350 bar 5000 psi

Pressione di apertura <i>Cracking pressure</i>	1 bar 14.5 psi
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Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



Dimensioni Dimensions	H	H1	H2	ES
VU38-MM	33	13	7	22
VU12-MM	37	14	9	27

Sigla di ordinazione / Ordering code

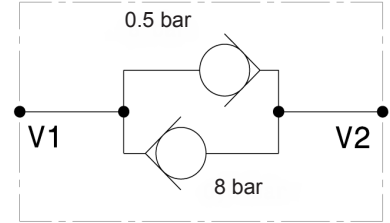
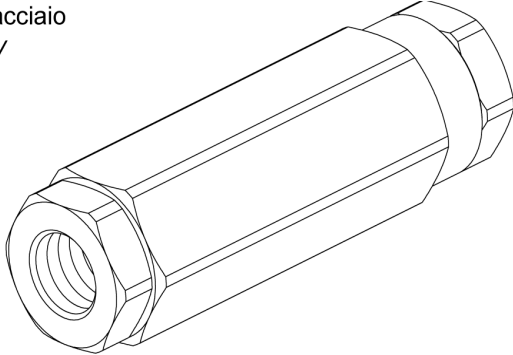
VU38-MM

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola bidirezionale
Bidirectional check valve
 mod. VBD-E

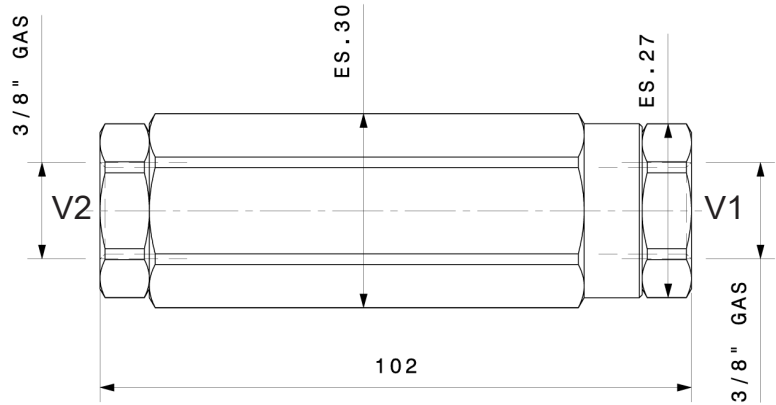
Corpo in acciaio
Steel body



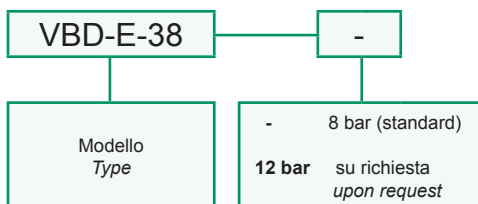
Portata massima <i>Max flow</i>	30 l/min 8 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Pressione di apertura V1→V2 <i>Cracking pressure V1→V2</i>	8 bar , 12 bar 115 psi , 170 psi
Pressione di apertura V2→V1 <i>Cracking pressure V2→V1</i>	0.5 bar 7.25 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



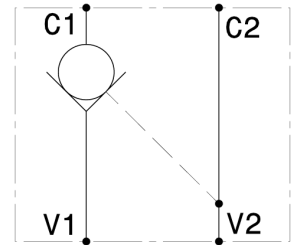
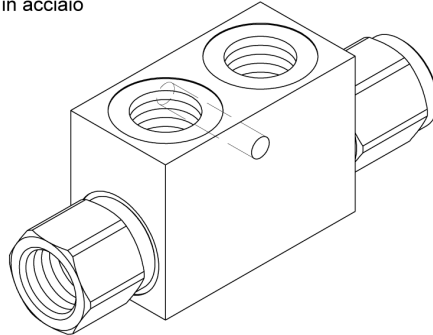
Sigla di ordinazione / Ordering code



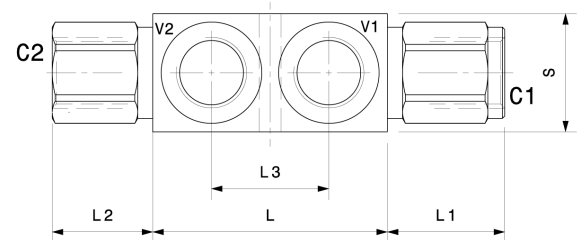
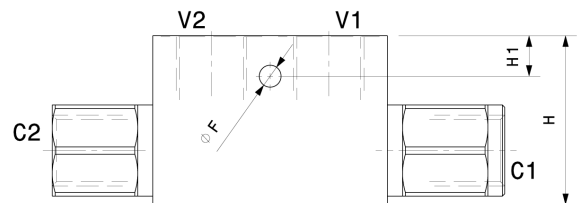
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Valvola di blocco pilotata a semplice effetto a sfera o a cono
Single effect, pilot operated check valve, ball or poppet type
 mod. **VBS-SF** (sfera – ball) / **VBS-SP** (cono – poppet)

Versione con corpo in alluminio o in acciaio
Aluminium or steel body version



Modello Type	Rapporto di pilotaggio Pilot ratio	Portata massima Max Flow	Pressione massima Max pressure	Pressione di apertura Cracking pressure
VBS-14-SF	4:1	20 l/min 5.3 gpm	350 bar 5000 psi	3 bar 43 psi
VBS-38-SF	4:1	35 l/min 9 gpm	350 bar 5000 psi	3 bar 43 psi
VBS-12-SF	3:1	50 l/min 13 gpm	350 bar 5000 psi	1 bar 14.5 psi
VBS-14-SP	4:1	20 l/min 5.3 gpm	350 bar 5000 psi	3 bar 43 psi
VBS-38-SP	4:1	35 l/min 9 gpm	350 bar 5000 psi	3 bar 43 psi
VBS-12-SP	3:1	50 l/min 13 gpm	350 bar 5000 psi	1 bar 14.5 psi
VBS-34-SP	4:1	80 l/min 21 gpm	250 bar 3600 psi	0.5 bar 7.2 psi

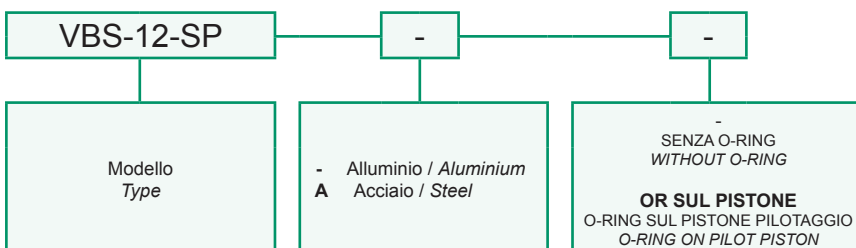


Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Dimensioni Dimensions	C V	L	L1	L2	L3	H	H1	S	F
VBS-14-SF	1/4" GAS	58	27	22	35	40	12	25	6.5
VBS-38-SF	3/8" GAS	58	29	22	30	50	12	30	6.5
VBS-12-SF	1/2" GAS	70	35	26	35	50	12	35	6.5
VBS-14-SP	1/4" GAS	58	27	22	35	40	12	25	6.5
VBS-38-SP	3/8" GAS	58	29	22	30	50	12	30	6.5
VBS-12-SP	1/2" GAS	70	35	26	35	50	12	35	6.5
VBS-34-SP	3/4" GAS	100	40	40	50	60	15	40	8.5

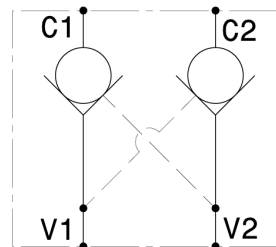
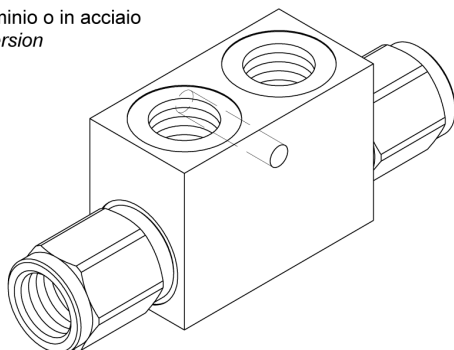
Sigla di ordinazione / Ordering code



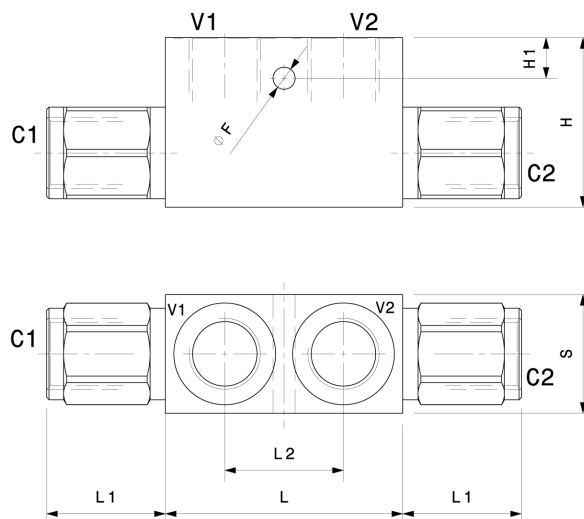
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola di blocco pilotata a doppio effetto a sfera o a cono
Double effect, pilot operated check valve, ball or poppet type
 mod. **VBD-SF** (sfera – ball) / **VBD-SP** (cono – poppet)

Versione con corpo in alluminio o in acciaio
Aluminium or steel body version



Modello Type	Rapporto di pilotaggio Pilot ratio	Portata massima Max Flow	Pressione massima Max pressure	Pressione di apertura Cracking pressure
VBD-14-SF	4:1	20 l/min 5.3 gpm	350 bar 5000 psi	3 bar 43 psi
VBD-38-SF	4:1	35 l/min 9 gpm	350 bar 5000 psi	3 bar 43 psi
VBD-12-SF	3:1	50 l/min 13 gpm	350 bar 5000 psi	1 bar 14.5 psi
VBD-14-SP	4:1	20 l/min 5.3 gpm	350 bar 5000 psi	3 bar 43 psi
VBD-38-SP	4:1	35 l/min 9 gpm	350 bar 5000 psi	3 bar 43 psi
VBD-12-SP	3:1	50 l/min 13 gpm	350 bar 5000 psi	1 bar 14.5 psi
VBD-34-SP	4:1	80 l/min 21 gpm	250 bar 3600 psi	0.5 bar 7.2 psi

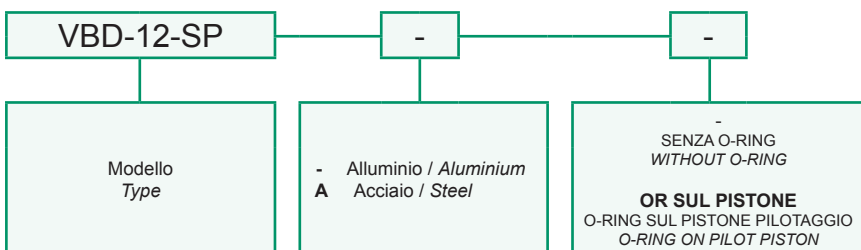


Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Dimensioni Dimensions	C V	L	L1	L2	H	H1	S	F
VBD-14-SF	1/4" GAS	58	27	35	40	12	25	6.5
VBD-38-SF	3/8" GAS	58	29	30	50	12	30	6.5
VBD-12-SF	1/2" GAS	70	35	35	50	12	35	6.5
VBD-14-SP	1/4" GAS	58	27	35	40	12	25	6.5
VBD-38-SP	3/8" GAS	58	29	30	50	12	30	6.5
VBD-12-SP	1/2" GAS	70	35	35	50	12	35	6.5
VBD-34-SP	3/4" GAS	100	40	50	60	15	40	8.5

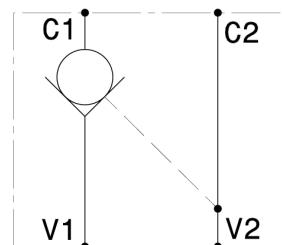
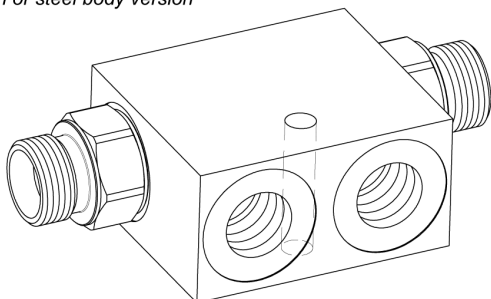
Sigla di ordinazione / Ordering code



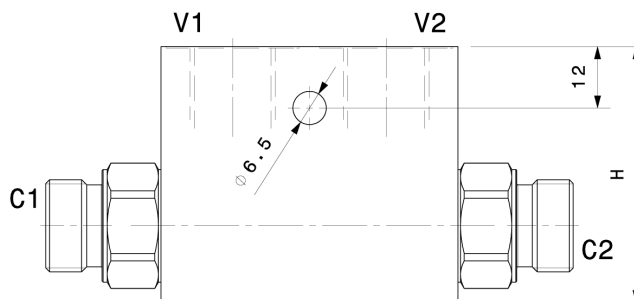
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola di blocco pilotata a semplice effetto a sfera o a cono
Single effect, pilot operated check valve, ball or poppet type
 mod. **VBS-SF-M** (sfera – ball) / **VBS-SP-M** (cono – poppet)

Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

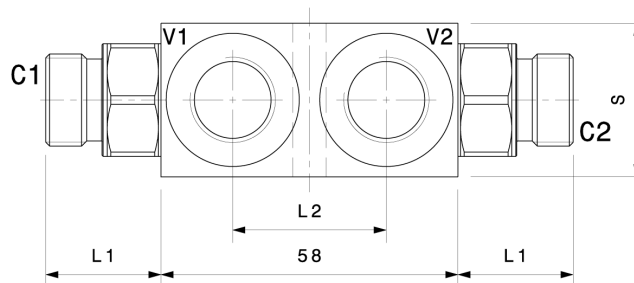


Modello Type	Rapporto di pilotaggio Pilot ratio	Portata massima Max Flow	Pressione massima Max pressure	Pressione di apertura Cracking pressure
VBS-14-SF M16X1.5	4:1	20 l/min 5.3 gpm	350 bar 5000 psi	1.5 bar 22 psi
VBS-38-SF M18X1.5	4:1	35 l/min 9 gpm	350 bar 5000 psi	3 bar 43 psi
VBS-14-SP M16X1.5	4:1	20 l/min 5.3 gpm	350 bar 5000 psi	1.5 bar 22 psi
VBS-38-SP M18X1.5	4:1	35 l/min 9 gpm	350 bar 5000 psi	3 bar 43 psi



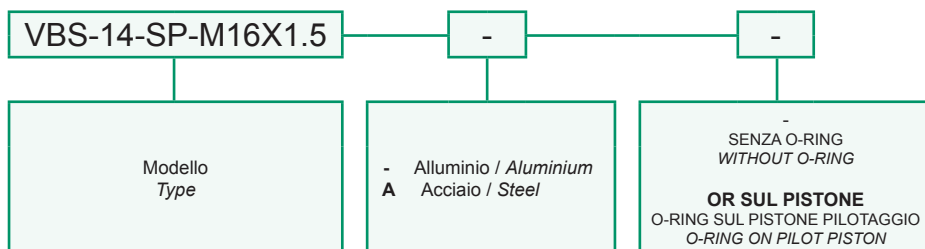
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Dimensioni Dimensions	V	C	L1	L2	H	S
VBS-14-SF M16X1.5	1/4" GAS	M16X1.5	23	35	40	25
VBS-38-SF M18X1.5	3/8" GAS	M18X1.5	23	30	50	30
VBS-14-SP M16X1.5	1/2" GAS	M16X1.5	23	35	40	25
VBS-38-SP M18X1.5	1/4" GAS	M18X1.5	23	30	50	30

Sigla di ordinazione / Ordering code

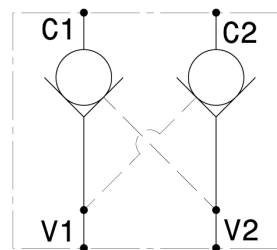
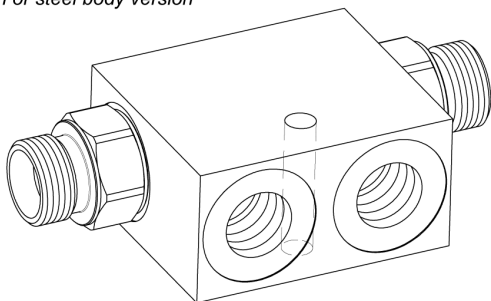


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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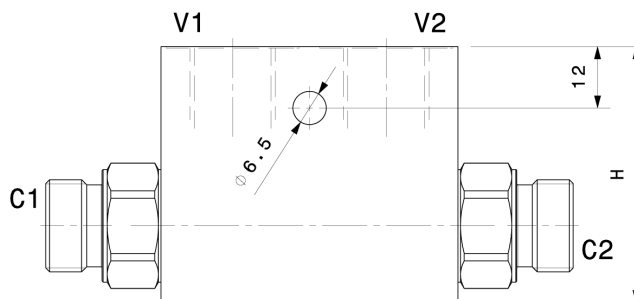
Valvola di blocco pilotata a doppio effetto a sfera o a cono
Double effect, pilot operated check valve, ball or poppet type

mod. **VBD-SF-M** (sfera – ball) / **VBD-SP-M** (cono – poppet)

Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

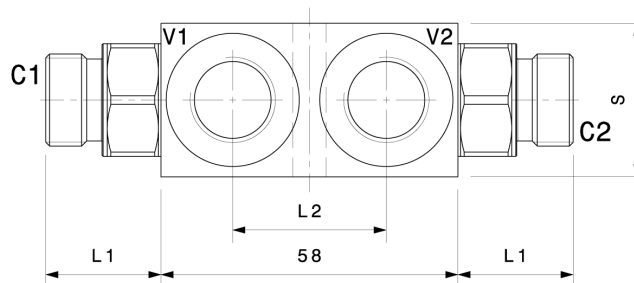


Modello Type	Rapporto di pilotaggio Pilot ratio	Portata massima Max Flow	Pressione massima Max pressure	Pressione di apertura Cracking pressure
VBD-14-SF M16X1.5	4:1	20 l/min 5.3 gpm	350 bar 5000 psi	1.5 bar 22 psi
VBD-38-SF M18X1.5	4:1	35 l/min 9 gpm	350 bar 5000 psi	3 bar 43 psi
VBD-14-SP M16X1.5	4:1	20 l/min 5.3 gpm	350 bar 5000 psi	1.5 bar 22 psi
VBD-38-SP M18X1.5	4:1	35 l/min 9 gpm	350 bar 5000 psi	3 bar 43 psi



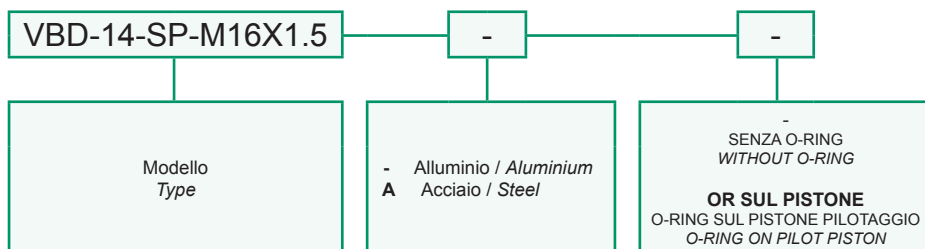
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Dimensioni Dimensions	V	C	L1	L2	H	S
VBD-14-SF M16X1.5	1/4" GAS	M16X1.5	23	35	40	25
VBD-38-SF M18X1.5	3/8" GAS	M18X1.5	23	30	50	30
VBD-14-SP M16X1.5	1/2" GAS	M16X1.5	23	35	40	25
VBD-38-SP M18X1.5	1/4" GAS	M18X1.5	23	30	50	30

Sigla di ordinazione / Ordering code

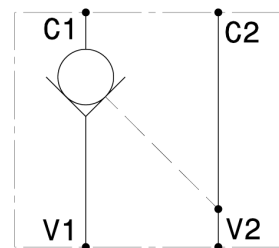
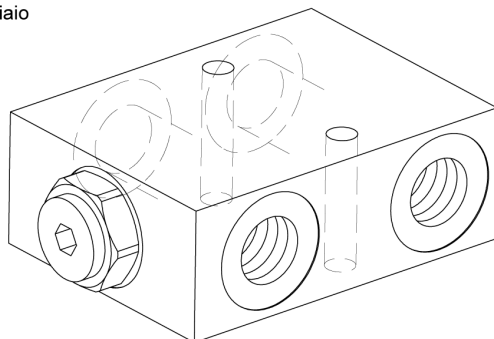


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola di blocco pilotata a semplice effetto in linea
In line, single effect, pilot operated check valve

mod. VBS-L

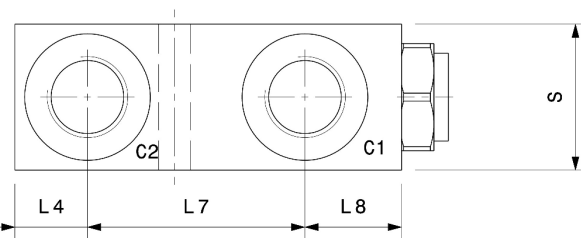
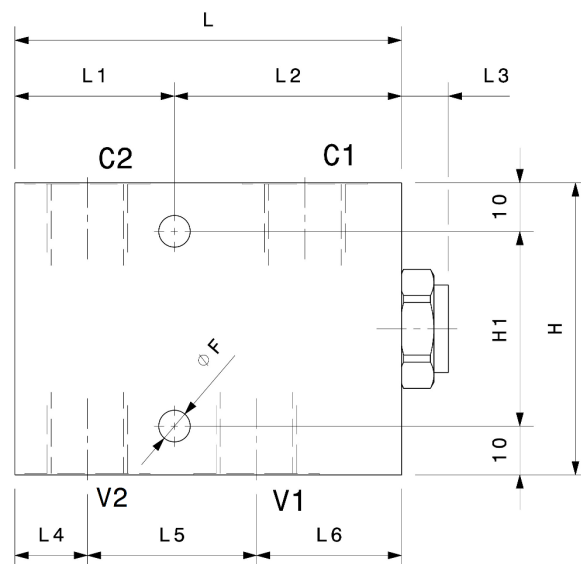
Versione con corpo in alluminio o in acciaio
Aluminium or steel body version



Modello Type	V C	Rapporto di pilotaggio Pilot ratio	Portata massima Max Flow	Pressione massima Max pressure	Pressione di apertura Cracking pressure
VBS-L-14	1/4" GAS	4:1	20 l/min 5.3 gpm	350 bar 5000 psi	3 bar 43 psi
VBS-L-38	3/8" GAS	4:1	35 l/min 9 gpm	350 bar 5000 psi	3 bar 43 psi
VBS-L-12	1/2" GAS	4:1	50 l/min 13 gpm	350 bar 5000 psi	2 bar 29 psi
VBS-L-34	3/4" GAS	4:1	80 l/min 21 gpm	250 bar 3600 psi	2 bar 29 psi

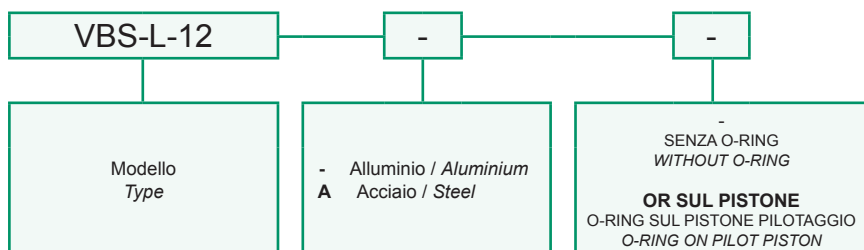
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Dimensioni Dimensions	L	L1	L2	L3	L4	L5	L6	L7	L8	H	H1	S	F
VBS-L-14	80	33	47	12	15	31	34	45	20	60	40	30	6.5
VBS-L-38	80	33	47	12	15	35	30	45	20	60	40	30	6.5
VBS-L-12	80	33	47	12	15	35	30	45	20	60	40	35	8.5
VBS-L-34	100	45	55	21	22.5	45	32.5	55	22.5	70	50	40	8.5

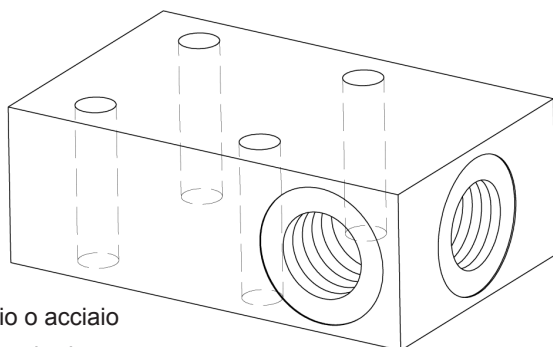
Sigla di ordinazione / Ordering code



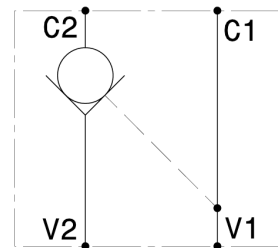
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The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola di blocco pilotata a semplice effetto flangiabile
Flangeable, single effect, pilot operated check valve

mod. VBS-L-F



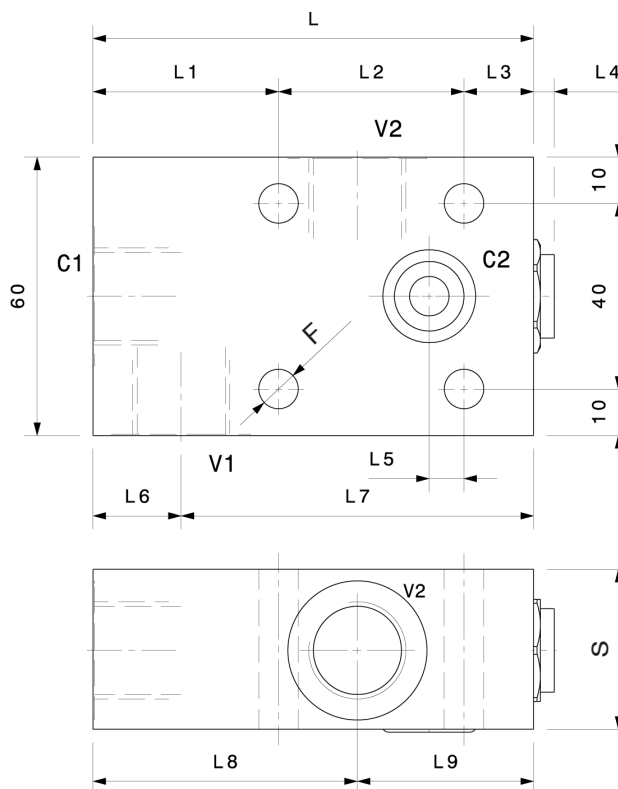
Corpo in alluminio o acciaio
Steel or aluminium body



Modello Type	V C	Rapporto di pilotaggio Pilot ratio	Portata massima Max Flow	Pressione massima Max pressure	Pressione di apertura Cracking pressure
VBS-L-F-38	3/8" GAS	4:1	35 l/min 9 gpm	350 bar 5000 psi	3 bar 43 psi
VBS-L-F-12	1/2" GAS	4:1	50 l/min 13 gpm	350 bar 5000 psi	2 bar 29 psi

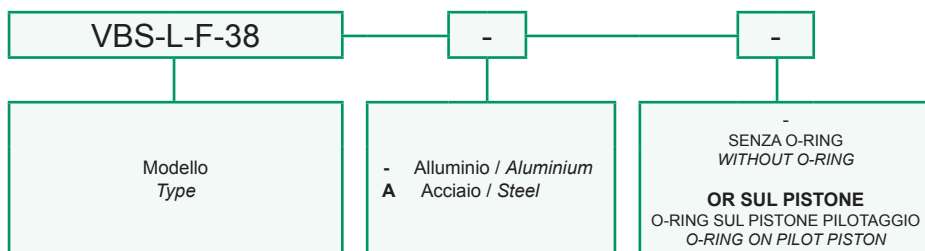
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Dimensioni Dimensions	L	L1	L2	L3	L4	L5	L6	L7	L8	L9	S	F
VBS-L-F-38	80	32	35	13	12	4	16	64	48	32	30	6.5
VBS-L-F-12	95	40	40	15	6.5	7.5	19	76	57	38	35	8.5

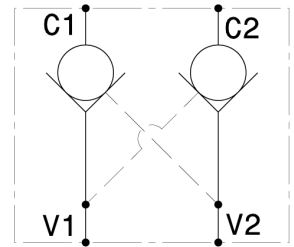
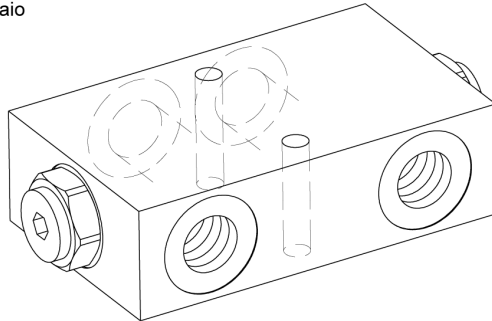
Sigla di ordinazione / Ordering code



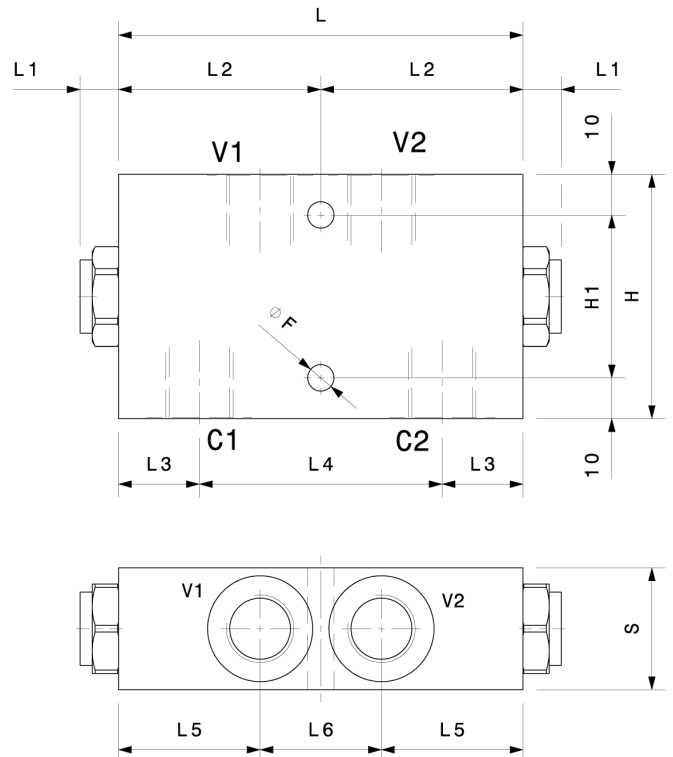
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola di blocco pilotata a doppio effetto in linea
In line, double effect, pilot operated check valve
 mod. VBD-L

Versione con corpo in alluminio o in acciaio
Aluminium or steel body version



Modello Type	V C	Rapporto di pilotaggio Pilot ratio	Portata massima Max Flow	Pressione massima Max pressure	Pressione di apertura Cracking pressure
VBD-L-14	1/4" GAS	4:1	20 l/min 5.3 gpm	350 bar 5000 psi	3 bar 43 psi
VBD-L-38	3/8" GAS	4:1	35 l/min 9 gpm	350 bar 5000 psi	3 bar 43 psi
VBD-L-12	1/2" GAS	4:1	50 l/min 13 gpm	350 bar 5000 psi	2 bar 29 psi
VBD-L-34	3/4" GAS	4:1	80 l/min 21 gpm	250 bar 3600 psi	2 bar 29 psi

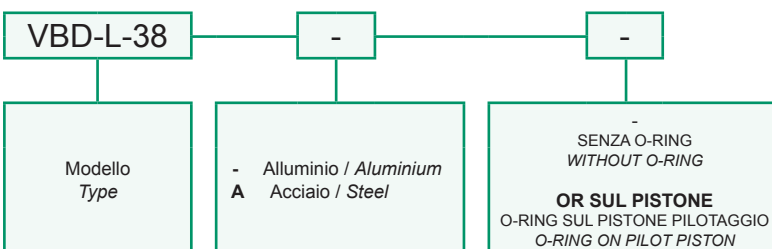


Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Dimensioni Dimensions	L	L1	L2	L3	L4	L5	L6	H	H1	S	F
VBD-L-14	100	12	50	20	60	35	30	60	40	30	6.5
VBD-L-38	100	12	50	23	54	35	30	60	40	30	6.5
VBD-L-12	100	12	50	20	60	30	40	60	40	35	8.5
VBD-L-34	110	21	55	23	64	32.5	45	70	50	40	8.5

Sigla di ordinazione / Ordering code

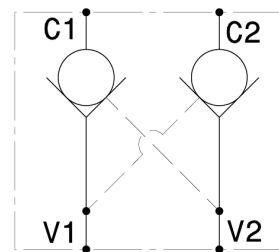
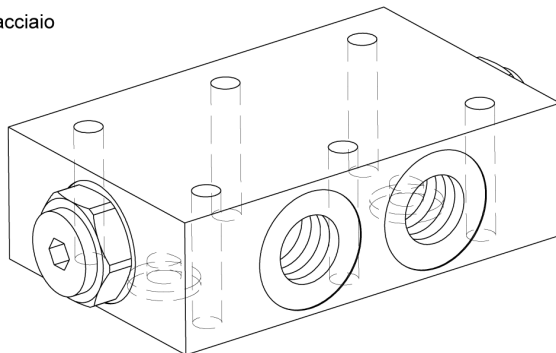


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola di blocco pilotata a doppio effetto flangiabile
Flangeable, double effect, pilot operated check valve

mod. VBD-L-F

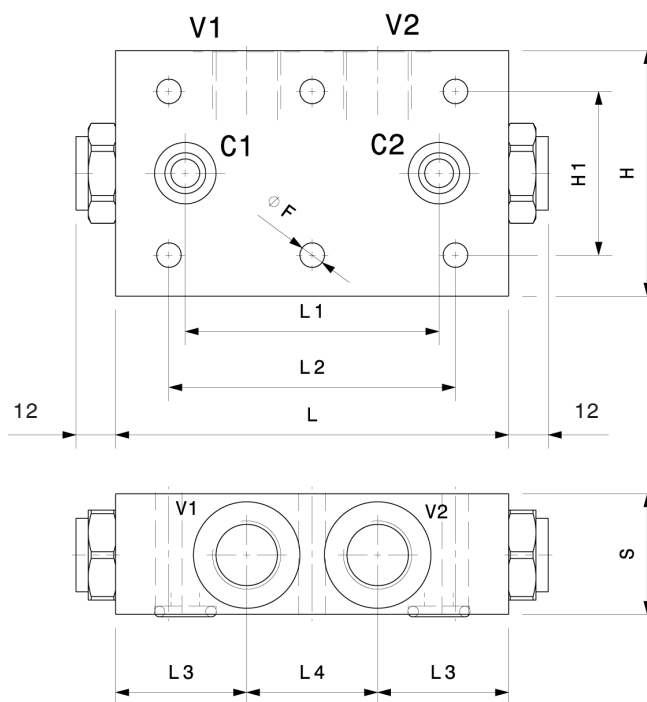
Versione con corpo in alluminio o in acciaio
Aluminium or steel body version



Modello Type	V C	Rapporto di pilotaggio Pilot ratio	Portata massima Max Flow	Pressione massima Max pressure	Pressione di apertura Cracking pressure
VBD-L-F-38	3/8" GAS	4:1	35 l/min 9 gpm	350 bar 5000 psi	3 bar 43 psi
VBD-L-F-12	1/2" GAS	4:1	50 l/min 13 gpm	350 bar 5000 psi	2 bar 29 psi
VBD-L-F-34	3/4" GAS	4:1	80 l/min 21 gpm	250 bar 3600 psi	2 bar 29 psi

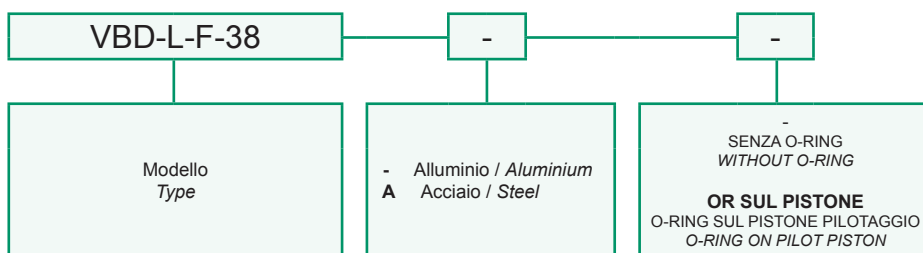
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Dimensioni Dimensions	L	L1	L2	L3	L4	H	H1	S	F
VBD-L-F-38	96	62	70	32	32	60	40	30	6.5
VBD-L-F-12	100	65	80	33	34	60	40	35	8.5
VBD-L-F-34	155	105	135	46	63	80	50	50	10.5

Sigla di ordinazione / Ordering code

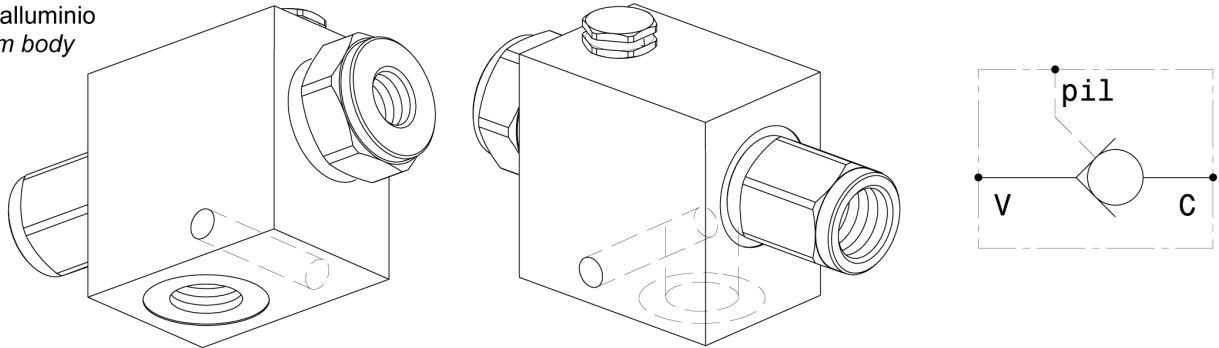


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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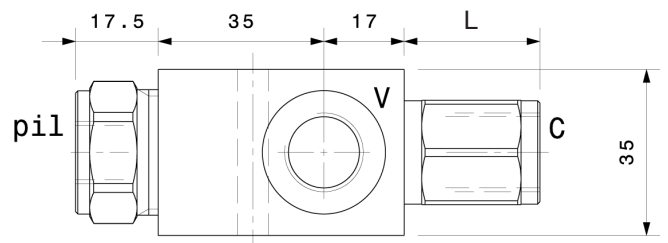
Valvola di blocco semplice effetto con pilotaggio separato
Pilot operated check valve with vented pilot

mod. VBS-L-PS

Corpo in alluminio
Aluminium body

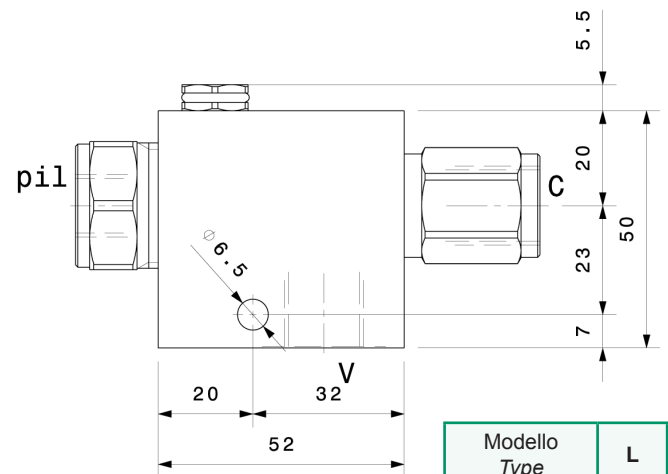


Modello Type	V C	Pil	Rapporto di pilotaggio Pilot ratio	Portata massima Max Flow	Pressione massima Max pressure	Pressione di apertura Cracking pressure
VBS-L-PS-14	1/4" GAS	1/4" GAS	11:1	20 l/min 5.3 gpm	350 bar 5000 psi	3 bar 43 psi
VBS-L-PS-38	3/8" GAS	1/4" GAS	11:1	35 l/min 9 gpm	350 bar 5000 psi	6 bar 87 psi
VBS-L-PS-12	1/2" GAS	1/4" GAS	11:1	50 l/min 13 gpm	350 bar 5000 psi	6 bar 87 psi



Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



Modello Type	L
VBS-L-PS-14	24.5
VBS-L-PS-38	25.5
VBS-L-PS-12	33.5

Sigla di ordinazione / Ordering code

VBS-L-PS-38

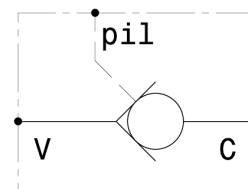
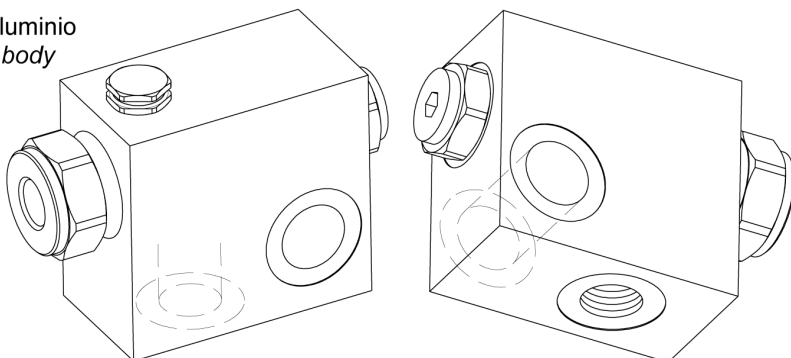
Modello
 Type

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The specifications are not binding, CBF reserves the right to introduce modifications without notice.

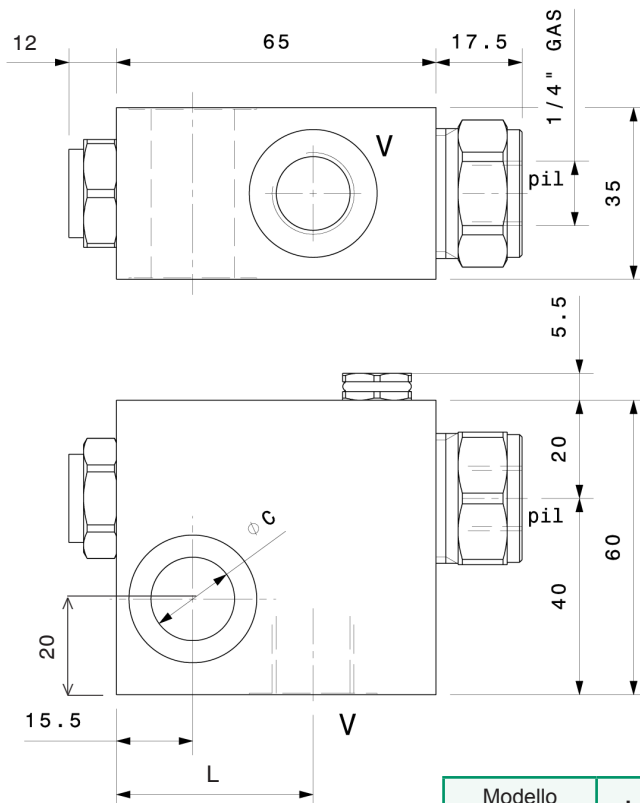
Valvola di blocco semplice effetto flangiabile con pilotaggio separato
Flangeable pilot operated check valve with vented pilot

mod. VBS-F-PS

Corpo in alluminio
Aluminium body



Modello Type	V	C Ø	Rapporto di pilotaggio Pilot ratio	Portata massima Max Flow	Pressione massima Max pressure	Pressione di apertura Cracking pressure
VBS-F-PS-38	3/8" GAS	17	11:1	35 l/min 9 gpm	350 bar 5000 psi	8 bar 115 psi
VBS-F-PS-12	1/2" GAS	21	11:1	50 l/min 13 gpm	350 bar 5000 psi	8 bar 115 psi



Modello Type	L
VBS-F-PS-38	39
VBS-F-PS-12	39.5

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Vite cava disponibile a richiesta Nipple screw available upon request	Modello Type	Codice di ordinazione Ordering code
	VBS-F-PS-38	KITV0001
	VBS-F-PS-12	KITV0003

Sigla di ordinazione / Ordering code

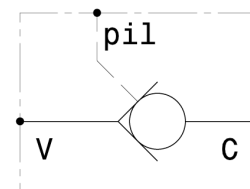
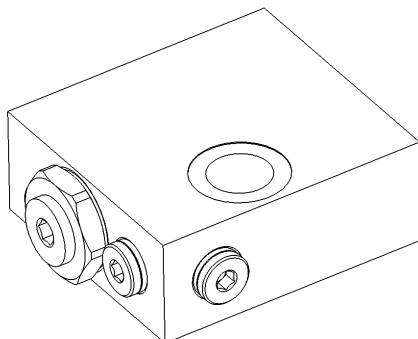
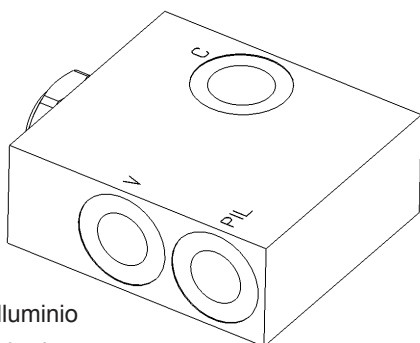
VBS-F-PS-38

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola di blocco pilotata semplice effetto flangiabile
Flangeable pilot operated check valve

mod. VBS-F-38



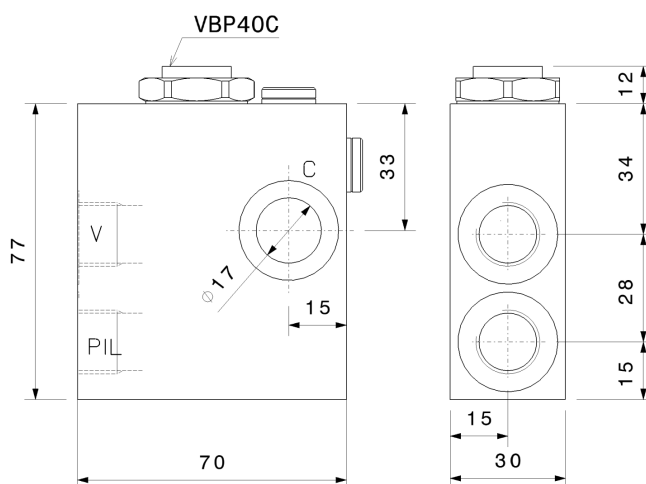
Corpo in alluminio
Aluminium body

Modello Type	V Pil	C	Rapporto di pilotaggio Pilot ratio	Portata massima Max Flow	Pressione massima Max pressure	Pressione di apertura Cracking pressure
VBS-F-38	3/8" GAS	17	3,4:1	40 l/min 11 gpm	280 bar 4060 psi	3 bar 43.5 psi

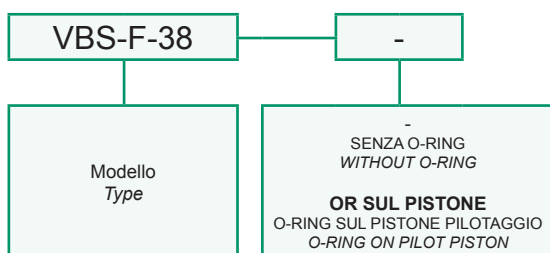
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Vite cava disponibile a richiesta Nipple screw available upon request	Modello Type	Codice di ordinazione Ordering code
	VBS-F-38	KITV0001



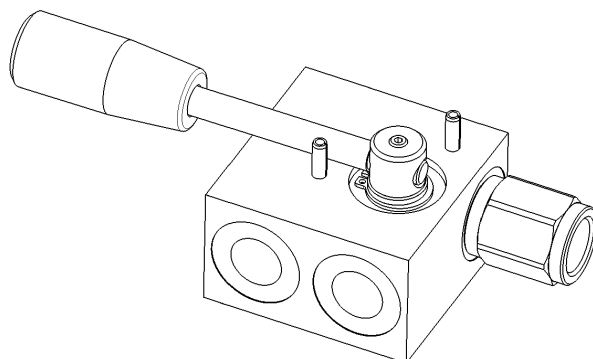
Sigla di ordinazione / Ordering code



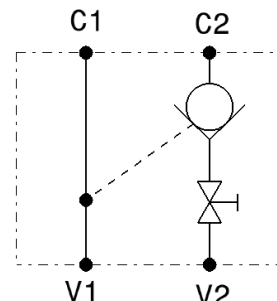
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola di blocco pilotata a semplice effetto con rubinetto manuale, tenuta a sfera o a cono - destro
 Single effect, pilot operated check valve with manual lever, ball and poppet type - RH

mod. VBS-R-D



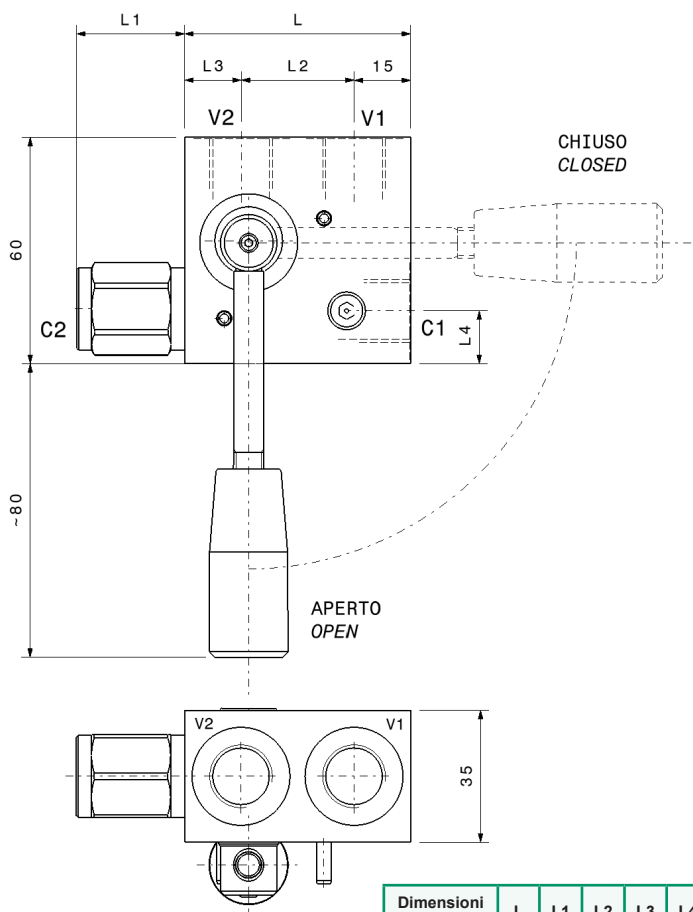
Corpo in alluminio
 Aluminium body



Modello Type	V	Rapporto di pilotaggio Pilot ratio	Portata massima Max Flow	Pressione massima Max pressure	Pressione di apertura Cracking pressure
VBS-R-D-38	3/8" GAS	4:1	35 l/min 9 gpm	300 bar 4300 psi	3 bar 43 psi
VBS-R-D-12	1/2" GAS	4:1	50 l/min 13 gpm	300 bar 4300 psi	1 bar 14.5 psi

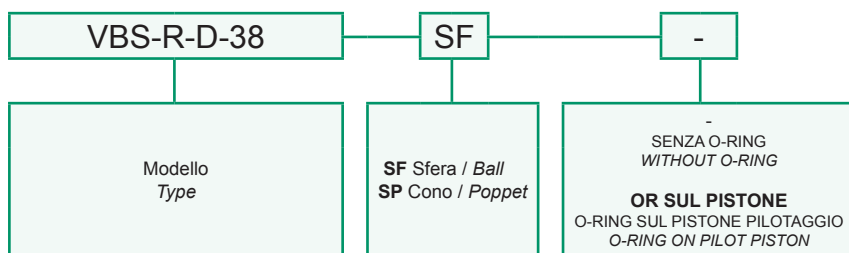
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Dimensioni Dimensions	L	L1	L2	L3	L4
VBS-R-D-38	60	29	30	15	14
VBS-R-D-12	70	35	35	20	15

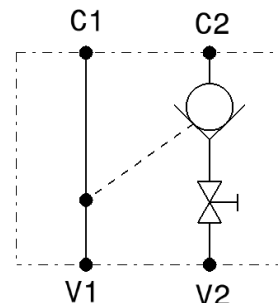
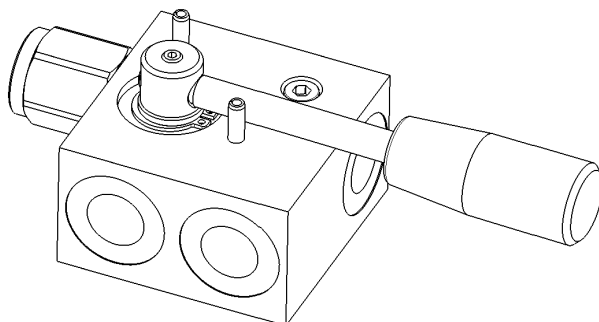
Sigla di ordinazione / Ordering code



I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola di blocco pilotata a semplice effetto con rubinetto manuale, tenuta a sfera o a cono - sinistro
 Single effect, pilot operated check valve with manual lever, ball and poppet type - LH

mod. VBS-R-S

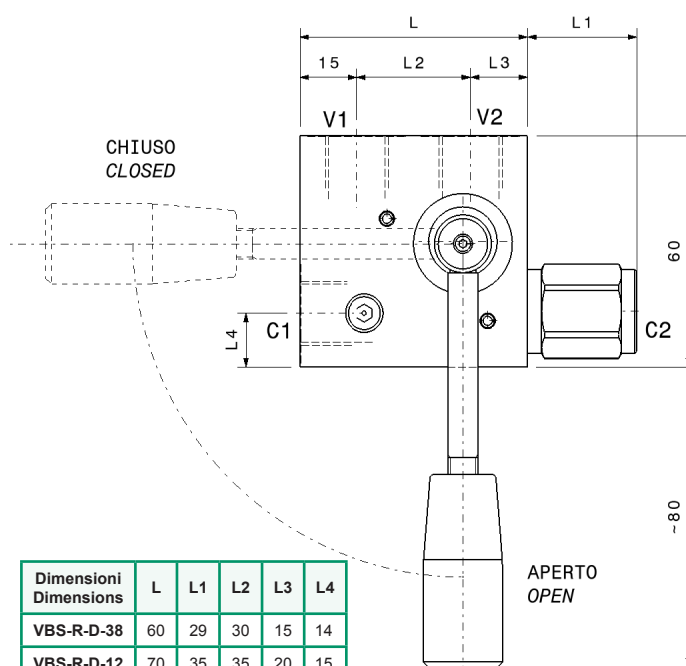


Corpo in alluminio
 Aluminium body

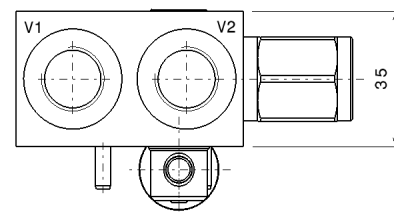
Modello Type	V	Rapporto di pilotaggio Pilot ratio	Portata massima Max Flow	Pressione massima Max pressure	Pressione di apertura Cracking pressure
VBS-R-S-38	3/8" GAS	4:1	35 l/min 9 gpm	300 bar 4300 psi	3 bar 43 psi
VBS-R-S-12	1/2" GAS	4:1	50 l/min 13 gpm	300 bar 4300 psi	1 bar 14.5 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

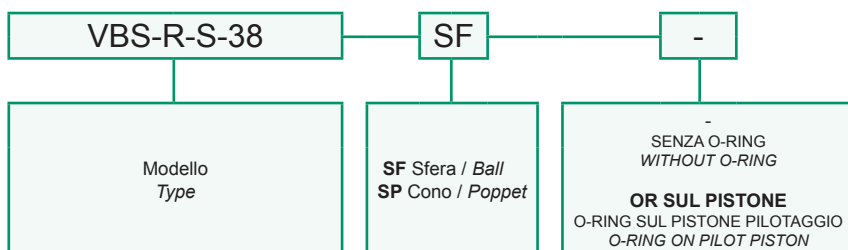
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Dimensioni Dimensions	L	L1	L2	L3	L4
VBS-R-D-38	60	29	30	15	14
VBS-R-D-12	70	35	35	20	15



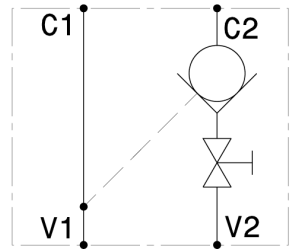
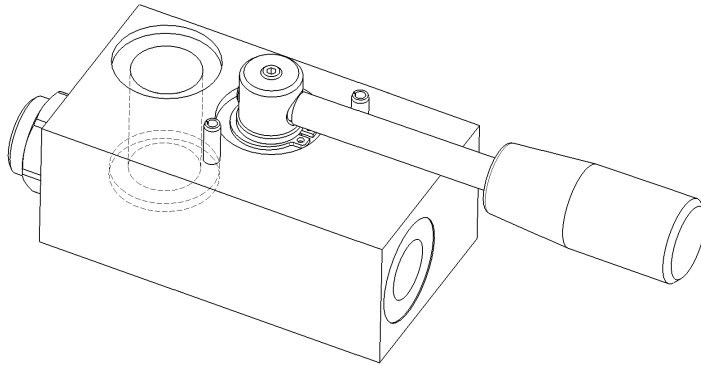
Sigla di ordinazione / Ordering code



I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
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Valvola di blocco pilotata a semplice effetto flangiabile con rubinetto manuale - destro
Flangeable, single effect, pilot operated check valve with manual lever - RH

mod. **VBS-F-R-D-38**



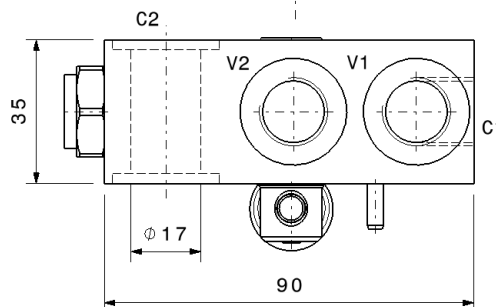
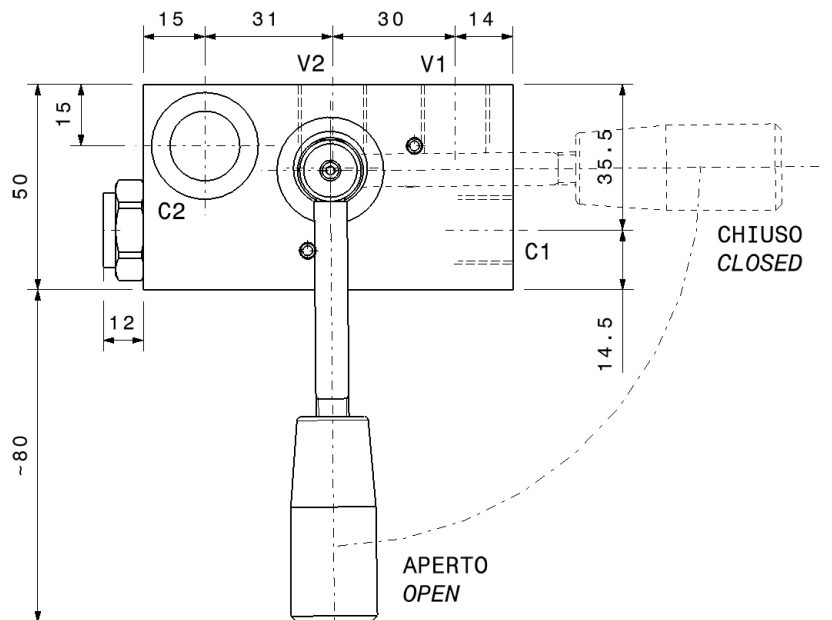
Corpo in alluminio
Aluminium body

Portata massima <i>Max flow</i>	35 l/min 9 gpm
Pressione massima <i>Max pressure</i>	300 bar 4300 psi
Pressione di apertura <i>Cracking pressure</i>	3 bar 43 psi
Rapporto di pilotaggio <i>Pilot Ratio</i>	4:1

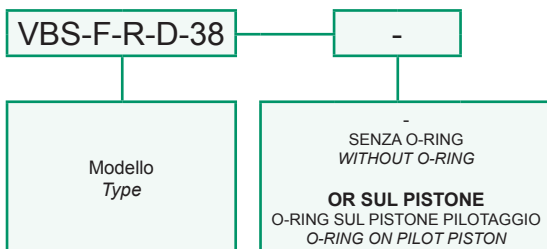
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Vite cava disponibile a richiesta Nipple screw available upon request	Codice di ordinazione <i>Ordering code</i>
	KITV0001



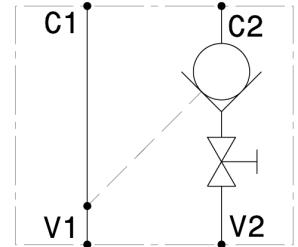
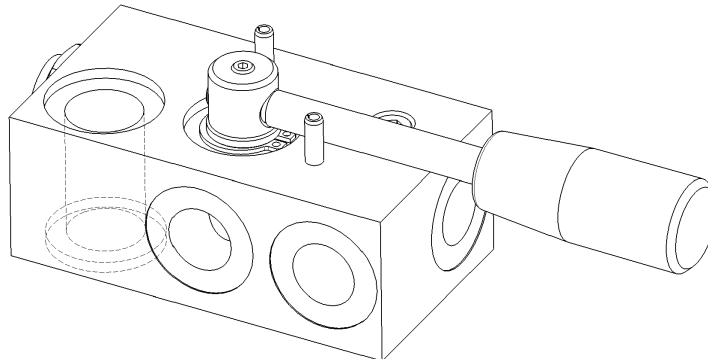
Sigla di ordinazione / Ordering code



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Valvola di blocco pilotata a semplice effetto flangiabile con rubinetto manuale - sinistro
Flangeable, single effect, pilot operated check valve with manual lever - LH

mod. **VBS-F-R-S-38**



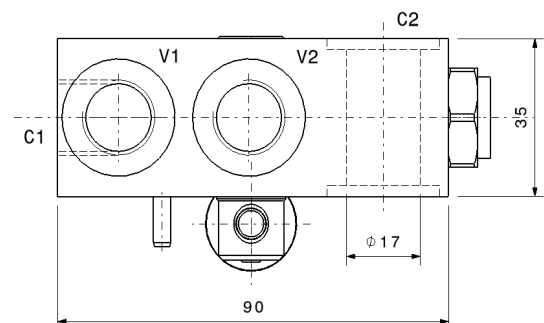
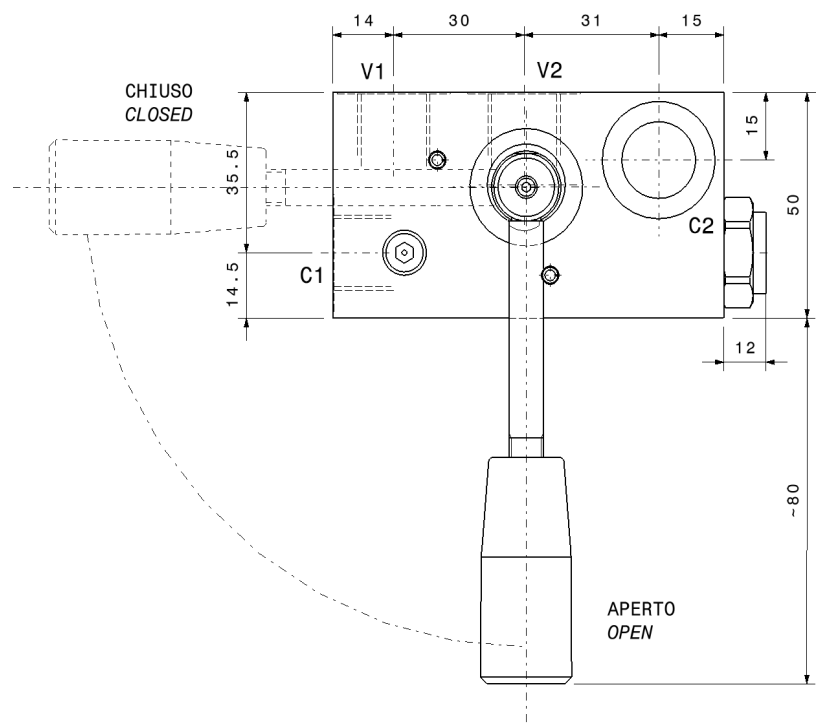
Corpo in alluminio
Aluminium body

Portata massima <i>Max flow</i>	35 l/min 9 gpm
Pressione massima <i>Max pressure</i>	300 bar 4300 psi
Pressione di apertura <i>Cracking pressure</i>	3 bar 43 psi
Rapporto di pilotaggio <i>Pilot Ratio</i>	4:1

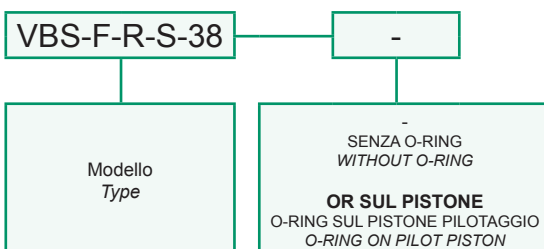
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Vite cava disponibile a richiesta <i>Nipple screw available upon request</i>	Codice di ordinazione <i>Ordering code</i>
	KITV0001



Sigla di ordinazione / Ordering code



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CBF hydraulic®

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液压产品

苏州科益达流体机械有限公司
SUZHOU CEDA FLUID MACHINERY CO.,LTD.

INFORMAZIONI GENERALI GENERAL INFORMATION

Gli ordini devono chiaramente indicare:

- Esatta ragione sociale o indirizzo completo del richiedente.
- Numero d'ordine.
- Data d'ordine.
- Numero d'offerta **CBF** (qualora esista).
- Denominazione valvola.
- Data consegna richiesta.
- Destinazione merce.
- Vettore.

Garanzia

• La **CBF S.r.l.** garantisce che i suoi prodotti sono esenti da difetti di materiali o di costruzione per un periodo di 12 mesi a partire dalla data di spedizione dai propri magazzini in Montecchio Maggiore (VI) - Italia.

• La garanzia è esclusivamente limitata alla riparazione o sostituzione, a giudizio della **CBF S.r.l.**, d'ogni parte o parti difettose in materiale o costruzione, previo esame dei pezzi che devono essere ritornati alla **CBF**, franco destino, corredati di descrizione dettagliata del malfunzionamento.

• **CBF** declina ogni responsabilità ed esclude l'applicazione della garanzia per quei prodotti che, a proprio insindacabile giudizio, siano stati contaminati, impiegati erroneamente o manomessi in circostanze al di fuori del proprio controllo o senza autorizzazione. La garanzia decade qualora siano apportate modifiche a circuiti o impianti tali da influenzare negativamente il funzionamento del prodotto **CBF**.

• In nessun caso una rivalsa in garanzia potrà comportare revoche contrattuali, sospensioni anche parziali di pagamenti, compensi per danni o rimborsi spese, ivi compresa la spesa di manodopera per la sostituzione del pezzo.

• Questa garanzia riconosciuta dalla **CBF S.r.l.** attraverso la propria organizzazione assistenziale esclude e sostituisce ogni altra garanzia di qualsiasi genere.

• **CBF S.r.l.** non è responsabile per danni diretti o indiretti, ivi comprese eventuali perdite economiche conseguenti a fermo macchina, o ritardate consegne di qualsiasi genere.

Responsabilità d'uso.

Tutti i prodotti **CBF** sono sottoposti a rigorosi collaudi funzionali, conformemente alle caratteristiche riportate sulla documentazione tecnica **CBF**.

Dal momento che le reali condizioni di funzionamento delle apparecchiature del Compratore non sono riproducibili integralmente nei laboratori della **CBF**, la responsabilità della scelta e l'idoneità dei prodotti sono a carico del Compratore stesso.

Giurisdizione

In caso di contestazione in cui la **CBF S.r.l.** sia convenuta è esclusivamente competente il Foro di Vicenza. Le tratte, le accettazioni di regolamenti, le spedizioni senza o contrassegno, le esazioni per mezzo d'incaricati, non costituiscono deroga a questa clausola anche nel caso in cui la **CBF S.r.l.** fosse ricercata per connessione o continenza di causa.

Quando la **CBF S.r.l.** sia attrice potrà ricorrere sia al Foro di Vicenza, sia a quello di residenza del convenuto.

Orders must clearly show:

- The corporate name and the full address of the applicant.
- Order number.
- Order date.
- **CBF's** offer number (when existing).
- Valve denomination.
- Required delivery date.
- Goods destination.
- Carrier.

Warranty

• **CBF S.r.l.** warrants that its products are free from defects in material and workmanship for a period of 12 months from the date of shipment from the factory in Montecchio Maggiore (VI) - Italy.

• The warranty is strictly limited to the repair or replacement (at **CBF S.r.l.** option) of any part or parts defective in material or workmanship, subject to **CBF's** examination of the part which must be returned to **CBF S.r.l.**, carriage pre-paid by the Customer, with a detailed description of the malfunction.

• **CBF S.r.l.** shall not be responsible for circumstances beyond its control and this warranty shall not apply to products which, in the sole judgement of **CBF** have been subjected to contamination, tampering, negligent handling, misapplication or other misuse.

Changes in circuit or changes in other components which may adversely affect the products of **CBF S.r.l.** void this warranty.

• In none of the cases quoted in the above paragraphs can the customer claim the cancellation of the contract compensation for damages or reimbursement of any expenses as, for example, labor required to replace the defective parts.

• This warranty recognized by **CBF S.r.l.** through its service organization is expressly in lieu of and excludes and supersedes any warranty of merchantability or fitness.

• **CBF S.r.l.** makes no other warranties, expressed or implied, and is not responsible for any consequential damages resulting from use by any buyer or user, its liability being limited to the value of product sold or to the obligation to replace a defective part. In no event shall **CBF S.r.l.** be liable for loss of anticipated profits, consequential damages, or loss of any equipment, installation, system operation or service into which the products of **CBF S.r.l.** may be fitted. **CBF S.r.l.** shall not be liable for any default, claimed breach of warranty, failure to deliver or otherwise, except as herein specifically indicated.

Responsibility for use.

All **CBF** products are checked and tested, in accordance with the specifications indicated in the relevant technical documents.

Since the actual installation and performance of the Customer's equipment cannot be exactly reproduced in the **CBF** testing laboratories, the assurance of suitability of all **CBF's** products in the Customer application is the responsibility of the Customer himself.

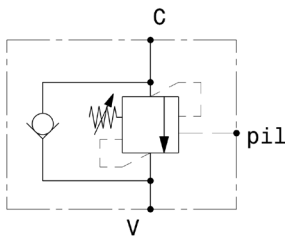
Jurisdiction

In case of a dispute where **CBF S.r.l.** is summoned before court, the Court in Law in Vicenza (Italy) is exclusively competent: drafts, acceptance of settlements, dispatches without or with C.O.D. do not constitute a derogation from this clause of jurisdiction even in case **CBF S.r.l.** should be pursued for concession or contenance of cause. When **CBF S.r.l.** is the plaintiff, it will be able to recur both to Court of Law in Vicenza and to that where the other party resides.

INDICE PER TIPO DI VALVOLA
INDEX BY VALVE TYPE

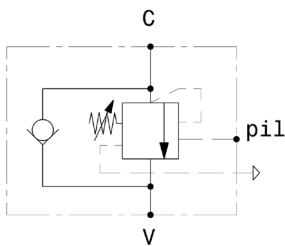
	Q	P	PAGINA
	(l/min)	(bar)	<i>PAGE</i>

Valvola OVERCENTER a cartuccia
Pilot assisted COUNTERBALANCE valve – cartridge type



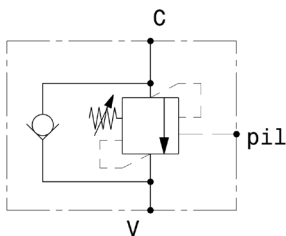
OVC60-C	60	350	8
OVC150-C	150	350	9
OVC200-C	200	350	10
OVC2008-C	20	350	11
OVC4010-C	40	350	12
OVC6012-C	60	350	13
OVC15016-C	150	350	14
OVC20020-C	200	350	15

Valvola OVERCENTER a cartuccia compensata in pressione
Pressure compensated, pilot assisted COUNTERBALANCE valve – cartridge type



OVC60CC-C	60	350	16
OVC150CC-C	150	350	17
OVC200CC-C	200	350	18
OVC2008CC-C	20	350	19
OVC4010CC-C	40	350	20
OVC6012CC-C	60	350	21
OVC15016CC-C	150	350	22
OVC20020CC-C	200	350	23

Valvola OVERCENTER semplice effetto con pilotaggio esterno
Single effect COUNTERBALANCE valve with external pilot

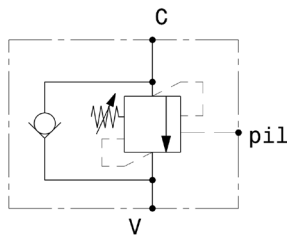


OVC-SE-38	40	350	24
OVC-SE-12	60	350	24
OVC-SE-34	100	350	24
OVC-SE-10	120	350	24
OVC-SE-06S	40	350	25
OVC-SE-08S	60	350	25
Flangiabile con vite cava <i>Nipple screw flangeable</i>			
OVC-SE-C-14	25	350	26
OVC-SE-C-38	40	350	26
OVC-SE-C-12	60	350	26

INDICE PER TIPO DI VALVOLA
INDEX BY VALVE TYPE

	Q	P	PAGINA
	(l/min)	(bar)	PAGE

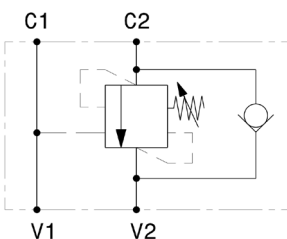
Valvola OVERCENTER semplice effetto flangiabile
Single effect COUNTERBALANCE valve flange mounted



*schema idraulico pag. 29-30
*hydraulic scheme page 29-30

OVC-SE-F38-38	40	350	27
OVC-SE-F38-12	60	350	27
OVC-SE-F2-34	100	350	28
OVC-SE-F2-PST-38 *	40	350	29
OVC-SE-F2-PST-12 *	60	350	29
OVC-SE-F-38-A *	40	350	30
OVC-SE-F-12-A *	60	350	30

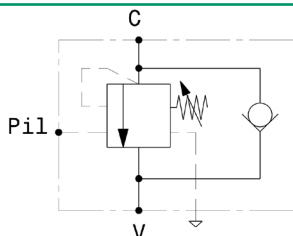
Valvola OVERCENTER semplice effetto in linea
In line, single effect COUNTERBALANCE valve



*schema idraulico pag. 36-37
*hydraulic scheme page 36-37

OVC-SE-L-38	40	350	31
OVC-SE-L-12	60	350	31
OVC-SE-L-34	100	350	31
OVC-SE-L-10	120	350	31
OVC-SE-L-18	15	350	32
OVC-SE-L-14	25	350	32
OVC-SE-L-06S	40	350	33
OVC-SE-L-08S	60	350	33
OVC-SE-L-200-34	150	350	34
OVC-SE-L-200-34	200	350	34
Flangiabile con vite cava <i>Nipple screw flangeable</i>			
OVC-SE-CL-38	40	350	35
OVC-SE-CL-12	60	350	35
Flangiabile <i>Flange mounted</i>			
OVC-SE-L-F40-38 *	40	350	36
OVC-SE-L-F40-PST-12 *	80	350	37
OVC-SE-L-F40-PST-34 *	120	350	37

Valvola OVERCENTER semplice effetto compensata in pressione con pilotaggio esterno
Single effect COUNTERBALANCE pressure compensated valve with external pilot

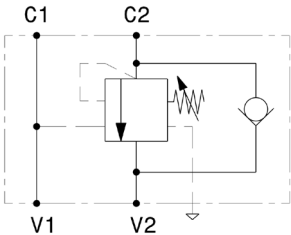


OVC-SE-CC-38	40	350	38
OVC-SE-CC-12	60	350	38
OVC-SE-CC-34	100	350	38
OVC-SE-CC-10	120	350	38

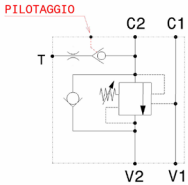
INDICE PER TIPO DI VALVOLA
INDEX BY VALVE TYPE

	Q	P	PAGINA
	(l/min)	(bar)	PAGE

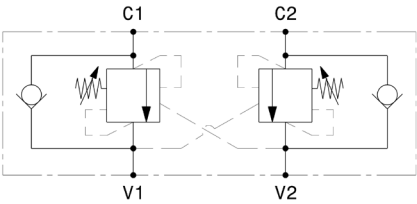
Valvola OVERCENTER compensata in pressione semplice effetto in linea
In line, single effect pressure compensated COUNTERBALANCE valve

	OVC-SE-L-CC-38	40	350	39
	OVC-SE-L-CC-12	60	350	39
	OVC-SE-L-CC-34	100	350	39
	OVC-SE-L-CC-10	120	350	39
	OVC-SE-L-CC-18	15	350	40
	OVC-SE-L-CC-14	25	350	40
	OVC-SE-L-200-CC-34	150	350	41
	OVC-SE-L-200-CC-10	200	350	41
	<i>Flangiabile - Flange mounted</i>			
	OVC-SE-CC-F2-34	100	350	42
	OVC-SE-L-F40-PST-CC-12	80	350	43
	OVC-SE-L-F40-PST-CC-34	120	350	43

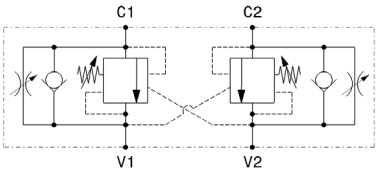
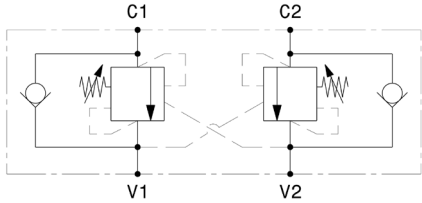
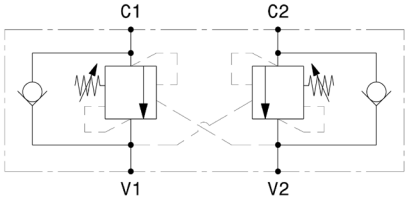
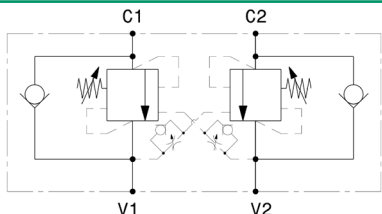
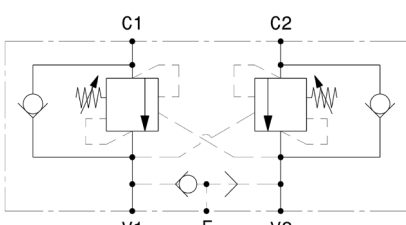
Valvola OVERCENTER semplice effetto in linea, con pilotaggio meccanico
In line, single effect COUNTERBALANCE valve, with external pilot piston

	OVC-SE-L-38-F-PM	40	350	44
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Valvola OVERCENTER doppio effetto
Double effect COUNTERBALANCE valve

	OVC-DE-38	40	350	45
	OVC-DE-12	60	350	45
	<i>Flangiabile con vite cava - Nipple screw flangeable</i>			
	OVC-DE-C-38	40	350	46
	<i>In linea - In line</i>			
	OVC-DE-L-38	40	350	47
	OVC-DE-L-12	60	350	47
	OVC-DE-L-34	100	350	47
	OVC-DE-L-10	120	350	47
	OVC-DE-L-18	15	350	48
	OVC-DE-L-14	25	350	48
	OVC-DE-L-38-AC	40	350	49
	OVC-DE-L-12-AC	110	350	50
	OVC-DE-L-34-AC	140	350	50
	OVC-DE-L-200-34	150	350	51
	OVC-DE-L-200-10	200	350	51
	OVC-DE-L-2001-34	150	350	52
	OVC-DE-L-25-14	25	350	53

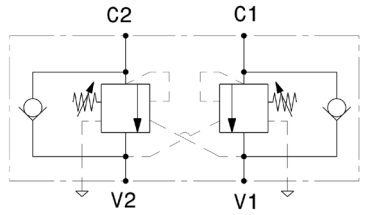
INDICE PER TIPO DI VALVOLA
INDEX BY VALVE TYPE

	Q	P	PAGINA	
	(l/min)	(bar)	PAGE	
Valvola OVERCENTER doppio effetto in linea con strozzatore ST5C <i>In line, double effect COUNTERBALANCE valve with needle valve ST5C</i>				
	OVC-DE-L-RU-38	40	350	54
Valvola OVERCENTER doppio effetto flangiabile <i>Flangeable, double effect COUNTERBALANCE valve</i>				
	OVC-DE-F-25-14	25	350	55
	OVC-DE-F-40-38	40	350	56
Valvola OVERCENTER doppio effetto in linea flangiabile <i>Flangeable, in line, double effect COUNTERBALANCE valve</i>				
	OVC-DE-L-F40-38	40	350	57
	OVC-DE-L-F40-12	60	350	57
	OVC-DE-L-F48-38	40	350	58
	OVC-DE-L-F30-14	20	350	59
	OVC-DE-L-F30-38	40	350	59
	OVC-DE-L-F30-12	60	350	59
Valvola OVERCENTER doppio effetto in linea flangiabile <i>Flangeable, in line, double effect COUNTERBALANCE valve</i>				
	OVC-DE-F2-PST-12	60	350	60
Valvola OVERCENTER doppio effetto in linea con sblocco freno <i>In line, double effect COUNTERBALANCE valve with brake unclamping</i>				
	OVC-DE-L-SF-38	40	350	61
	OVC-DE-L-SF-12	60	350	61
	OVC-DE-L-SF-34	100	350	62
	OVC-DE-L-SF-10	120	350	62

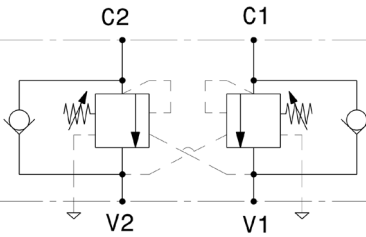
INDICE PER TIPO DI VALVOLA
INDEX BY VALVE TYPE

	Q	P	PAGINA
	(l/min)	(bar)	PAGE

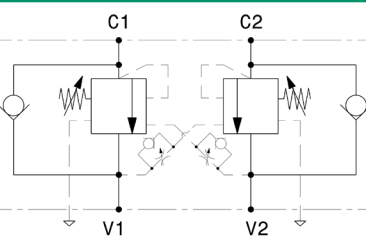
Valvola OVERCENTER compensata in pressione doppio effetto
Double effect pressure compensated COUNTERBALANCE valve

	OVC-DE-CC-38	40	350	63
	OVC-DE-CC-12	60	350	63

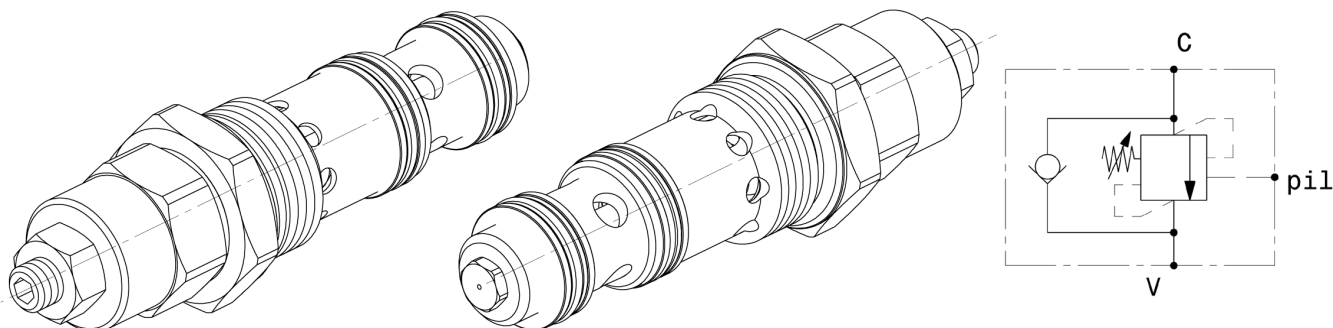
Valvola OVERCENTER compensata in pressione doppio effetto in linea
In line, double effect pressure compensated COUNTERBALANCE valve

	OVC-DE-L-CC-38	40	350	64
	OVC-DE-L-CC-12	60	350	64
	OVC-DE-L-CC-34	100	350	64
	OVC-DE-L-CC-10	120	350	64
	OVC-DE-L-200-CC-34	150	350	65
	OVC-DE-L-200-CC-10	200	350	65

Valvola OVERCENTER doppio effetto compensata in pressione, in linea flangiabile
Flangeable, in line, double effect pressure compensated COUNTERBALANCE valve

	OVC-DE-F2-PST-CC-12	60	350	66
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Valvola OVERCENTER a cartuccia
 Pilot assisted COUNTERBALANCE valve – cartridge type
 mod. OVC60-C

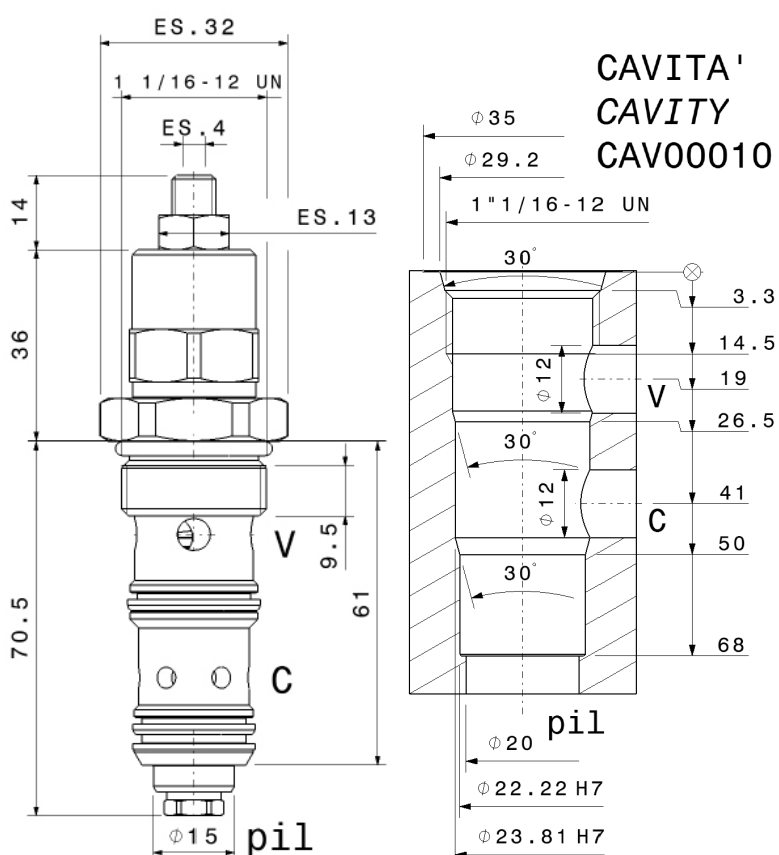


Portata massima Max flow	60 l/min 16 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4,25:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1
Coppia di serraggio Installation torque	110 ÷ 120 Nm 82 ÷ 90 lb ft
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

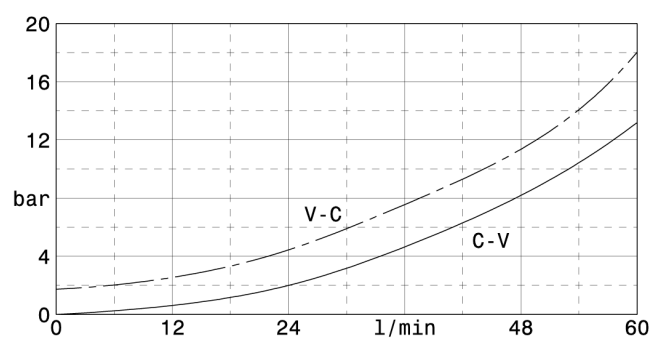
Regolazioni - Adjustments

Vite esterna esagono incassato Leakproof hex socket screw	Piombatura Sealing cap	Cappello Cap
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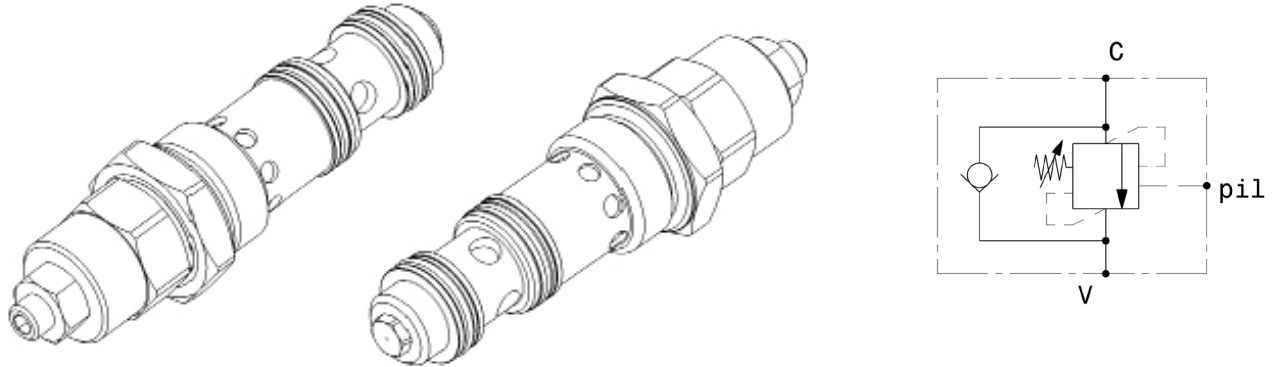
Sigla di ordinazione / Ordering code

OVC60-C	02	-
Modello Type	Codice taratura Setting code 01, 02	Codice regolazione Adjustment code -, C, D



I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER a cartuccia
 Pilot assisted COUNTERBALANCE valve – cartridge type
 mod. OVC150-C



Portata massima Max flow	150 l/min 40 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1
Coppia di serraggio Installation torque	180 ÷ 210 Nm 135 ÷ 157 lb ft

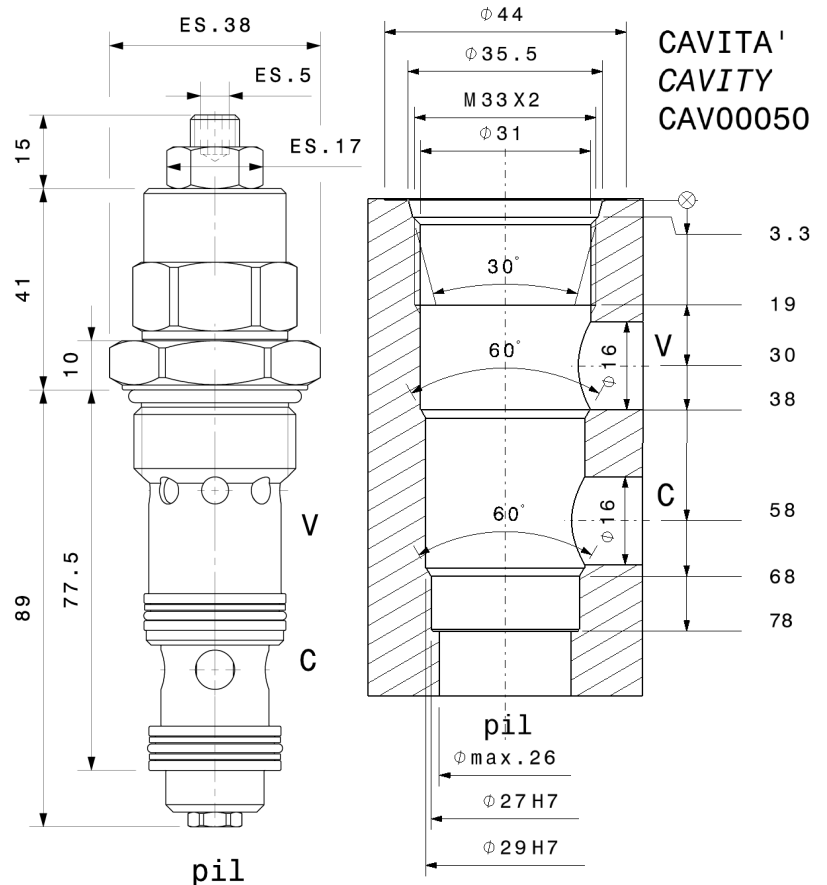
Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

Regolazioni - Adjustments

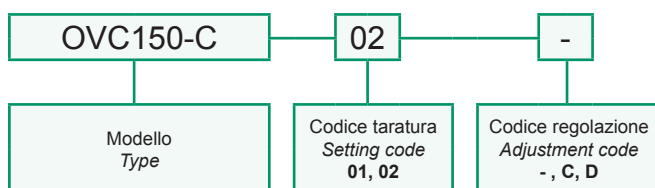
Vite esterna esagono incassato
Leakproof hex socket screw

Piombatura
Sealing cap

Cappello
Cap



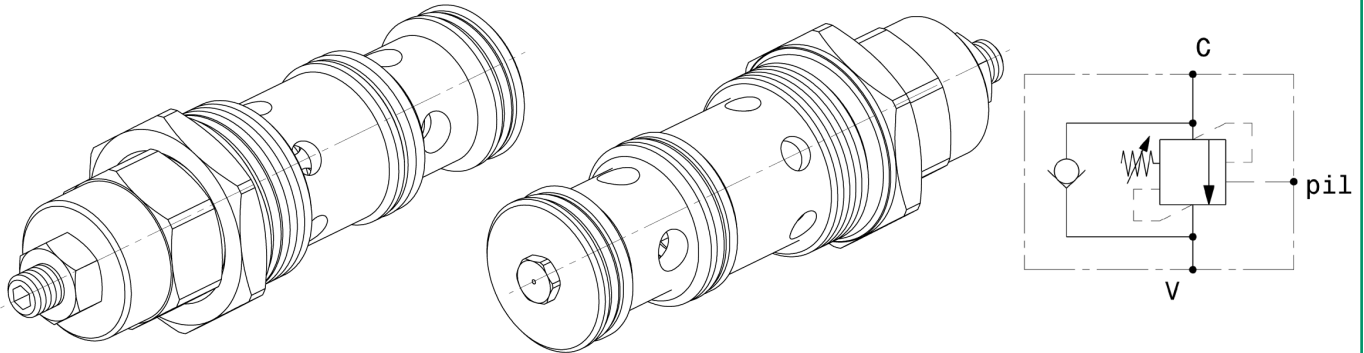
Sigla di ordinazione / Ordering code



Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola OVERCENTER a cartuccia
 Pilot assisted COUNTERBALANCE valve – cartridge type
 mod. OVC200-C



Portata massima Max flow	200 l/min 53 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1
Coppia di serraggio Installation torque	240 ÷ 260 Nm 180 ÷ 195 lb ft
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

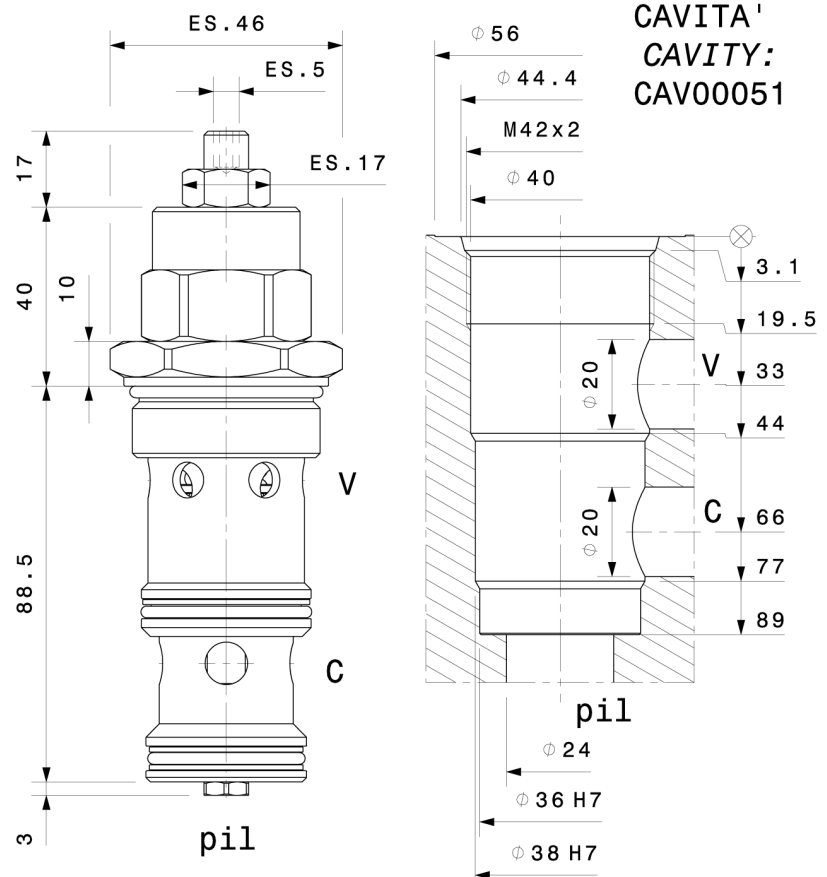
Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

Regolazioni - Adjustments

Vite esterna esagono incassato
Leakproof hex socket screw

Piombatura
Sealing cap

Cappello
Cap

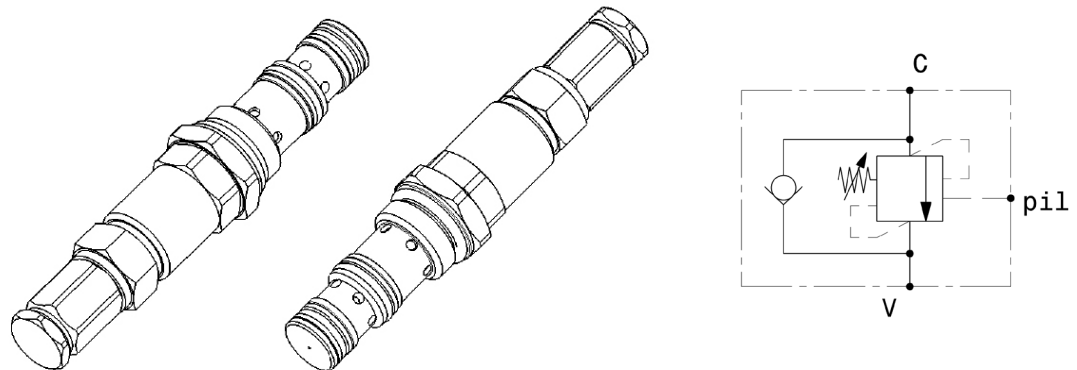


Sigla di ordinazione / Ordering code

OVC200-C	02	-
Modello Type	Codice taratura Setting code 01, 02	Codice regolazione Adjustment code -, C, D

I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER a cartuccia
 Pilot assisted COUNTERBALANCE valve – cartridge type
 mod. OVC2008-C

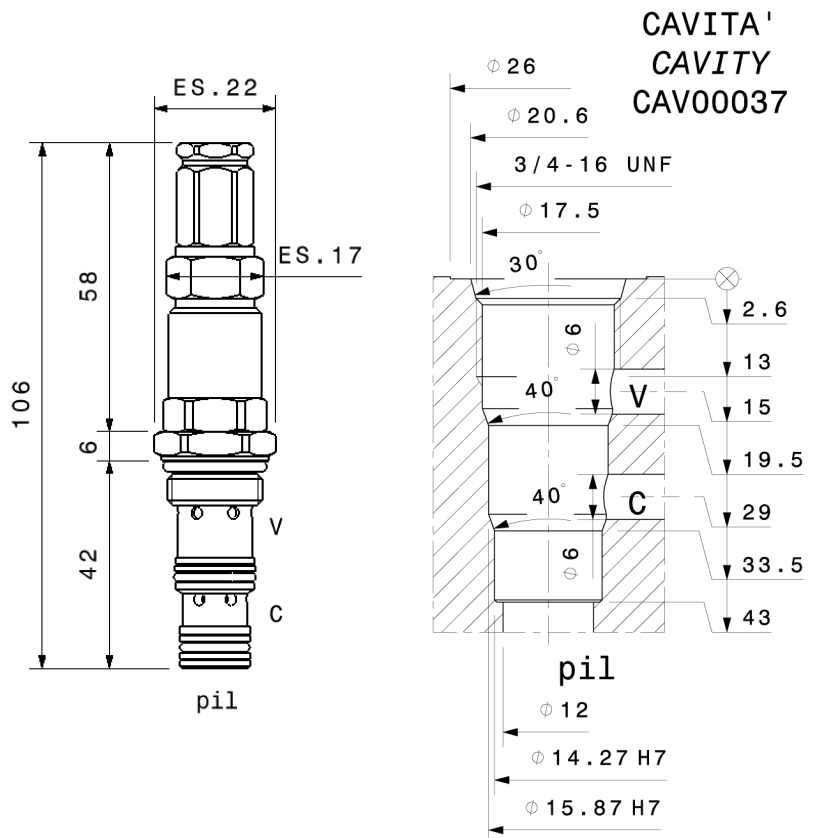


Portata massima Max flow	20 l/min 5.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1
Coppia di serraggio Installation torque	30 ÷ 35 Nm 22.5 ÷ 26 lb ft

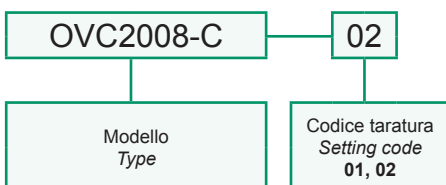
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

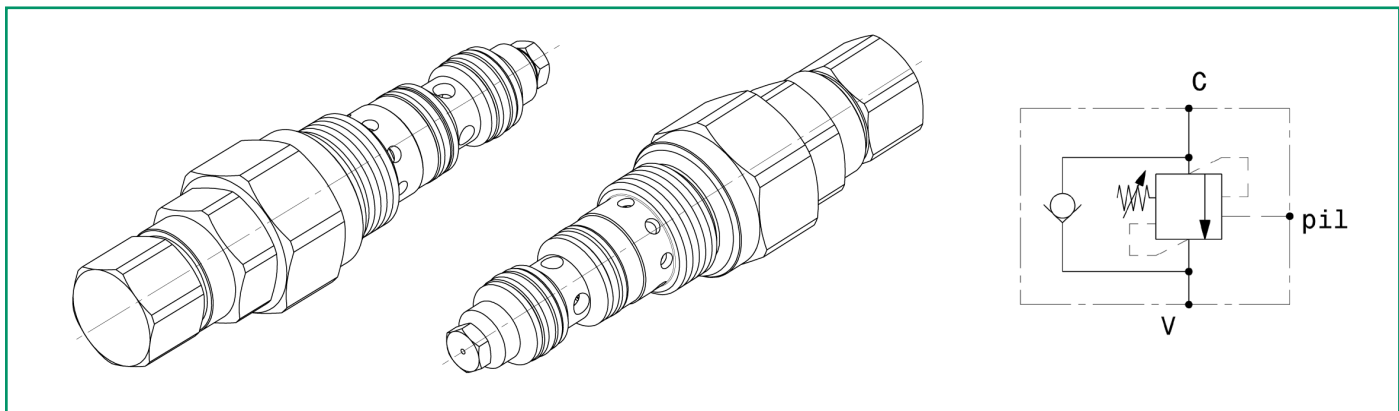


Sigla di ordinazione / Ordering code



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 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola OVERCENTER a cartuccia
 Pilot assisted COUNTERBALANCE valve – cartridge type
 mod. OVC4010-C

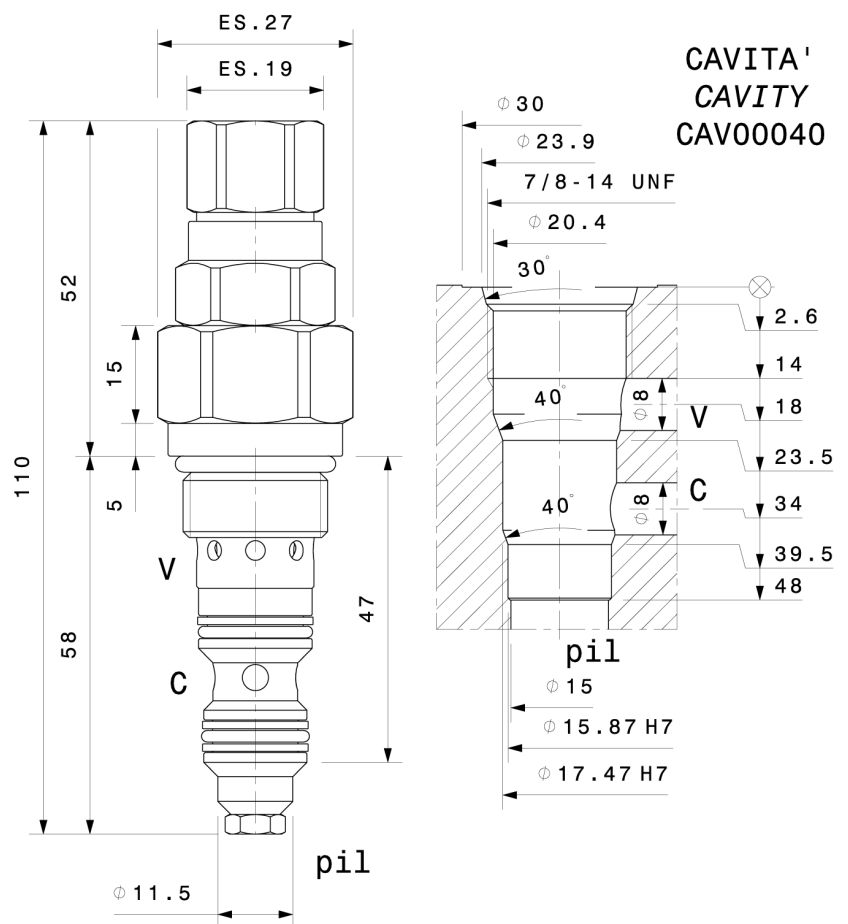


Portata massima Max flow	40 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1
Coppia di serraggio Installation torque	50 ÷ 60 Nm 38 ÷ 45 lb ft

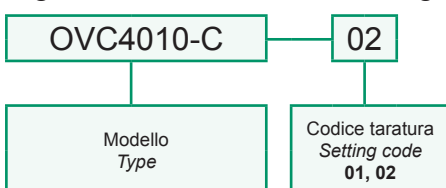
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico. The valve must be set at least 1.3 times maximum load induced pressure		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

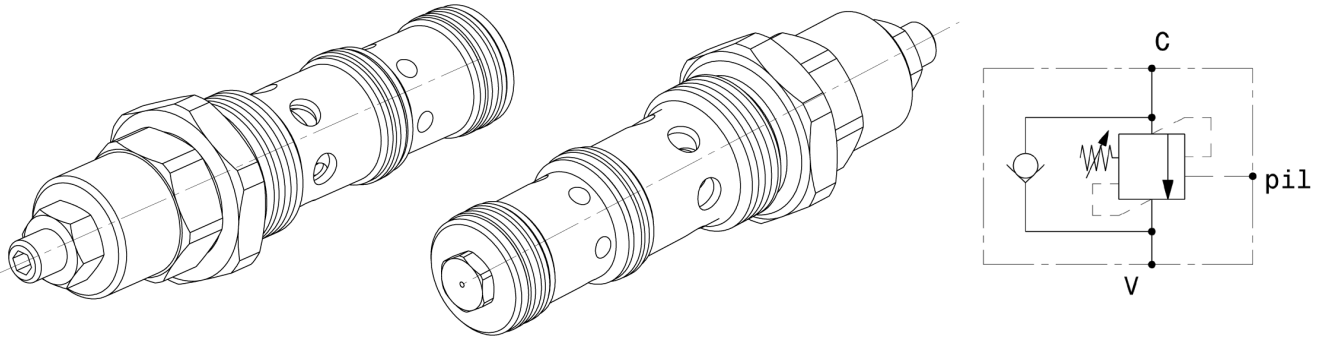


Sigla di ordinazione / Ordering code



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Valvola OVERCENTER a cartuccia
 Pilot assisted COUNTERBALANCE valve – cartridge type
 mod. OVC6012-C



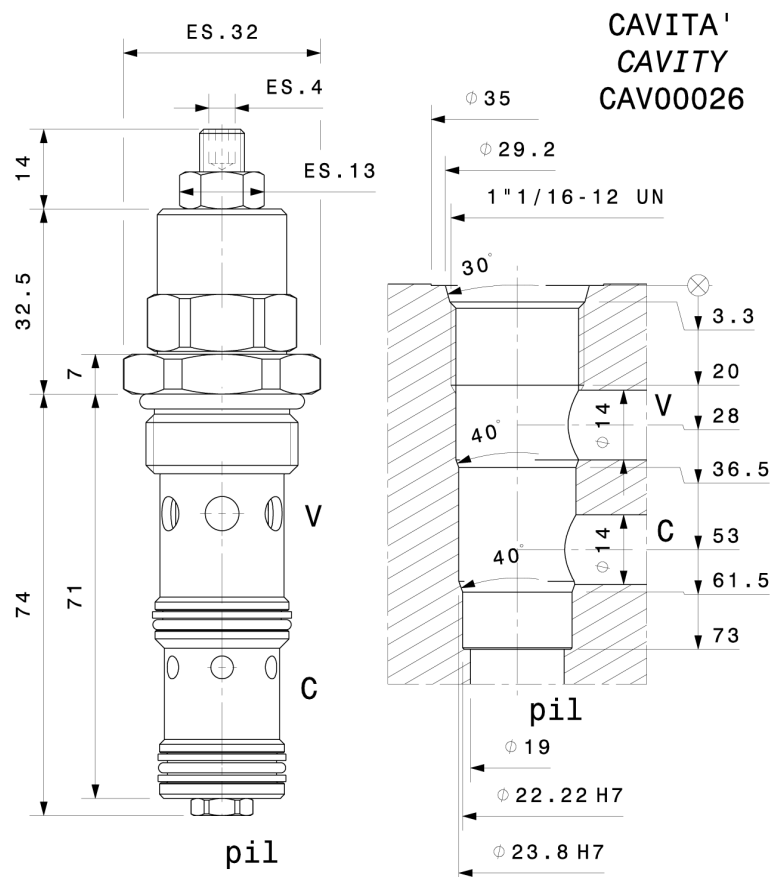
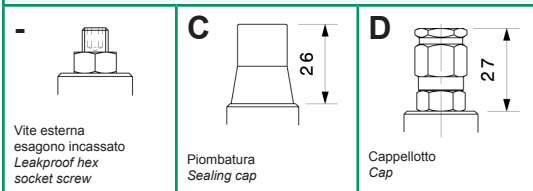
Portata massima Max flow	60 l/min 16 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4,25:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1
Coppia di serraggio Installation torque	110 ÷ 120 Nm 82 ÷ 90 lb ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

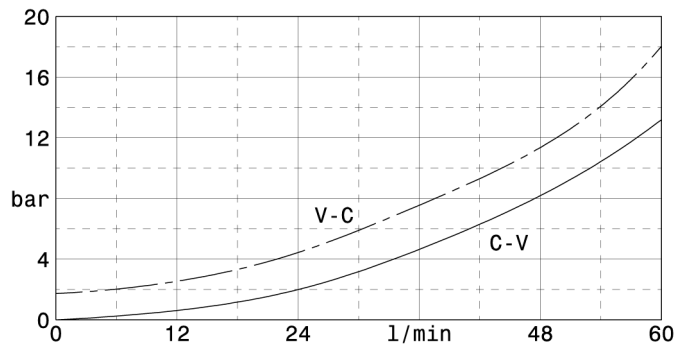
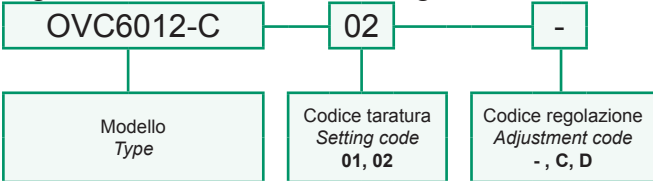
Taratura Setting
 La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico
 The valve must be set at least 1.3 times maximum load induced pressure

Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

Regolazioni - Adjustments

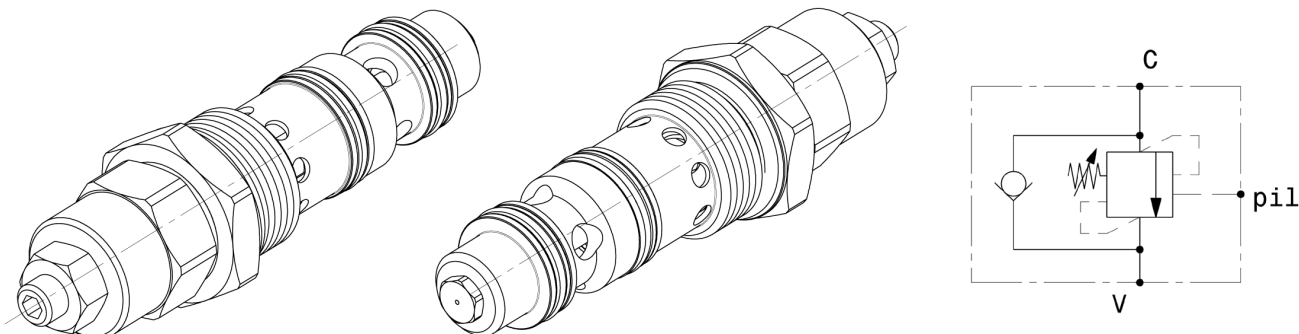


Sigla di ordinazione / Ordering code



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Valvola OVERCENTER a cartuccia
 Pilot assisted COUNTERBALANCE valve – cartridge type
 mod. OVC15016-C

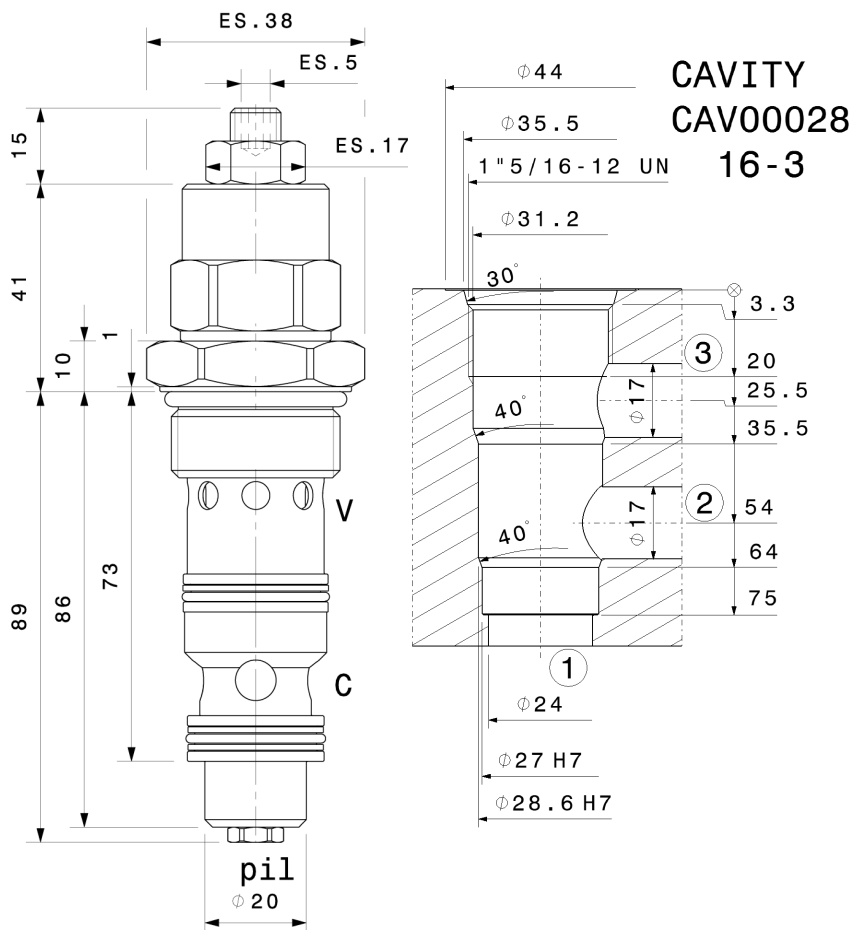


Portata massima Max flow	150 l/min 40 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1
Coppia di serraggio Installation torque	180 ÷ 210 Nm 135 ÷ 157 lb ft

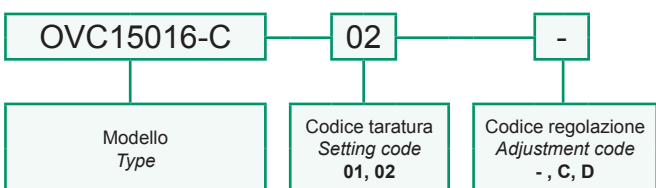
Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

Regolazioni - Adjustments

- Vite esterna esagono incassato Leakproof hex socket screw	C Piombatura Sealing cap	D Cappellotto Cap
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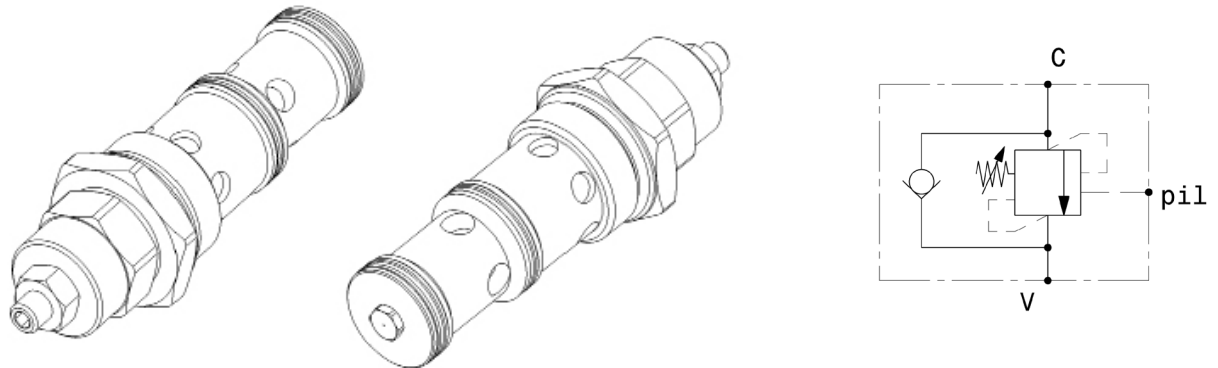
Sigla di ordinazione / Ordering code



Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

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Valvola OVERCENTER a cartuccia
 Pilot assisted COUNTERBALANCE valve – cartridge type
 mod. OVC20020-C



Portata massima Max flow	200 l/min 53 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1
Coppia di serraggio Installation torque	240 ÷ 260 Nm 180 ÷ 195 lb ft
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

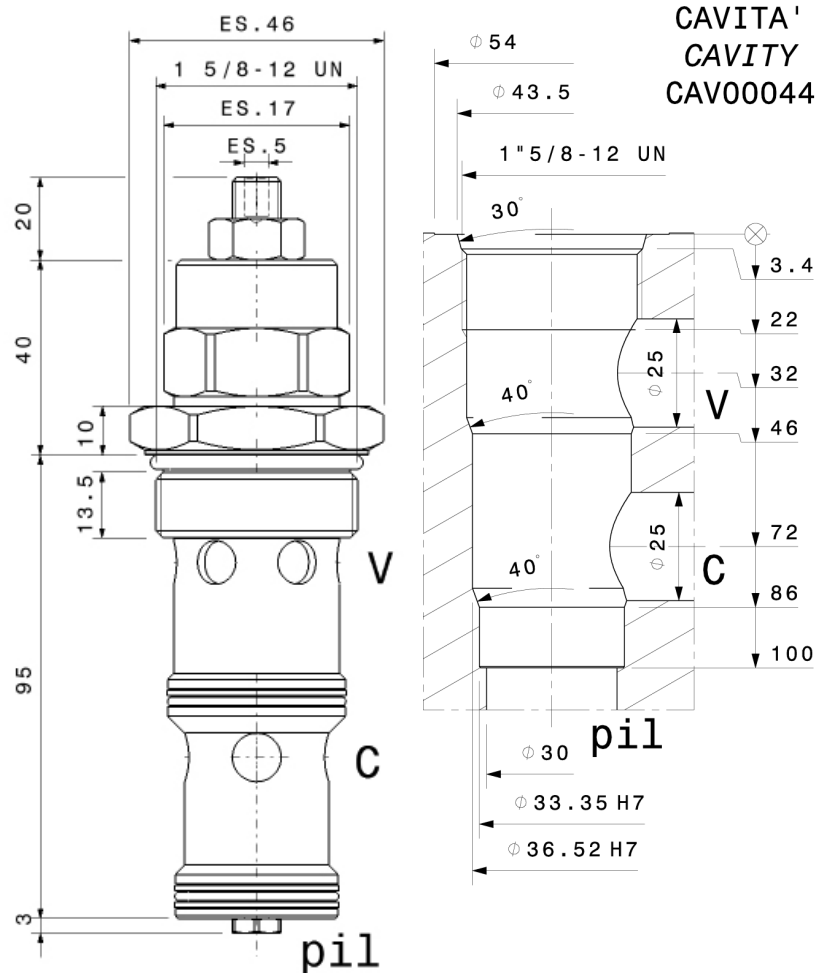
Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

Regolazioni - Adjustments

Vite esterna esagono incassato
Leakproof hex socket screw

Piombatura Sealing cap

Cappello Cap

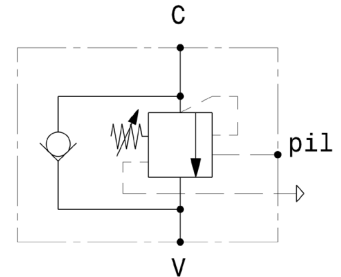
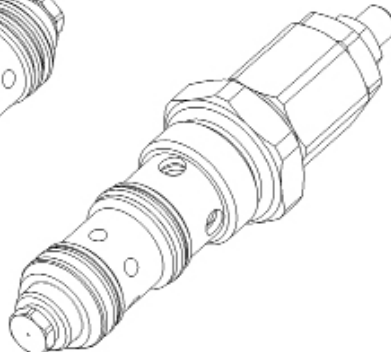
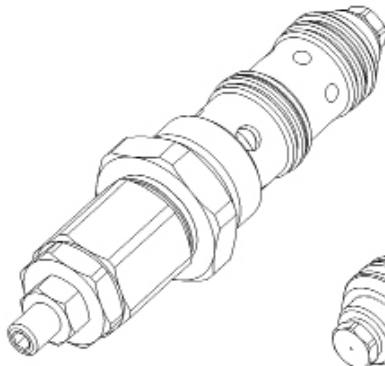


Sigla di ordinazione / Ordering code

OVC20020-C	02	-
Modello Type	Codice taratura Setting code 01, 02	Codice regolazione Adjustment code -, C, D

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola OVERCENTER a cartuccia compensata in pressione
 Pressure compensated, pilot assisted COUNTERBALANCE valve – cartridge type
 mod. OVC60CC-C

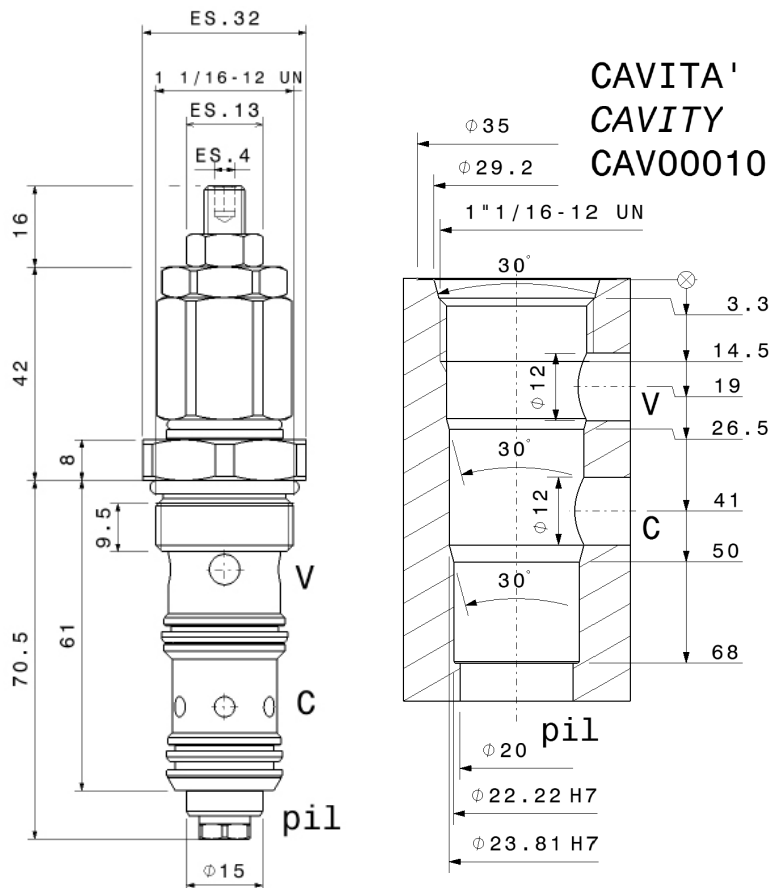


Portata massima Max flow	60 l/min 16 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4,25:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1
Coppia di serraggio Installation torque	110 ÷ 120 Nm 82 ÷ 90 lb ft
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

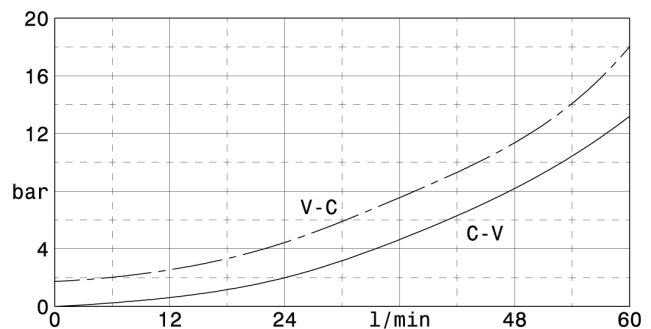
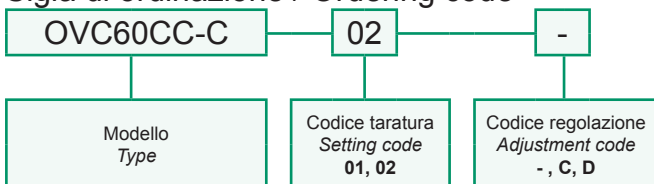
Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

Regolazioni - Adjustments

 Vite esterna esagono incassato Leakproof hex socket screw	 Piomatura Sealing cap	 Cappello Cap
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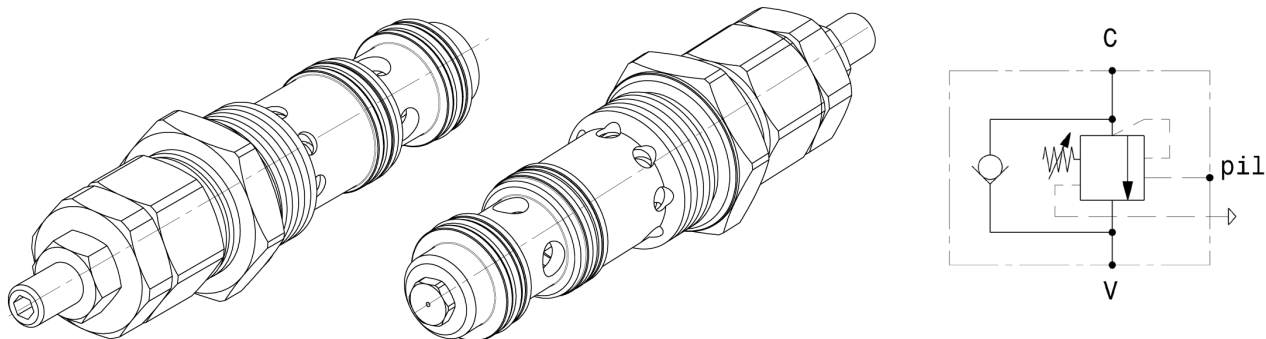


Sigla di ordinazione / Ordering code



I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
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Valvola OVERCENTER a cartuccia compensata in pressione
 Pressure compensated, pilot assisted COUNTERBALANCE valve – cartridge type
 mod. OVC150CC-C

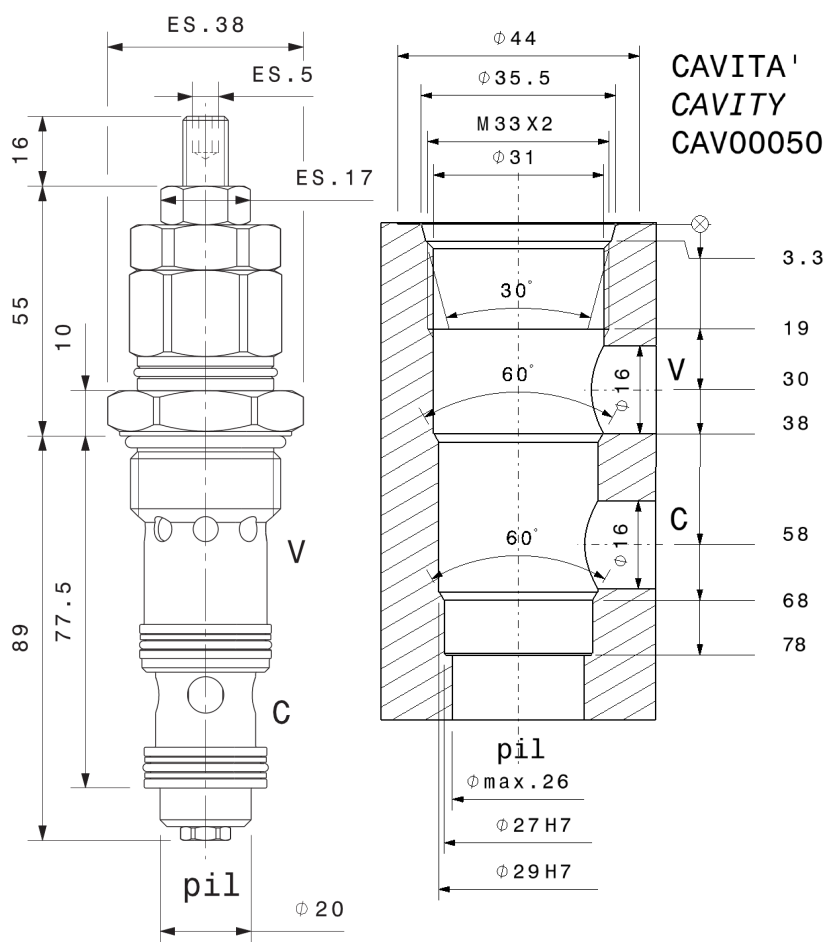


Portata massima Max flow	150 l/min 40 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1
Coppia di serraggio Installation torque	180 ÷ 210 Nm 135 ÷ 160 lb ft

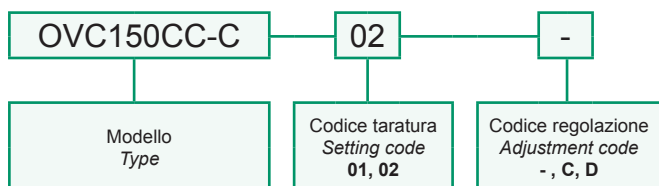
Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

**Regolazioni
Adjustments**

 Vite esterna esagono incassato Leakproof hex socket screw	 Piombatura Sealing cap	 Cappellotto Cap
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Sigla di ordinazione / Ordering code



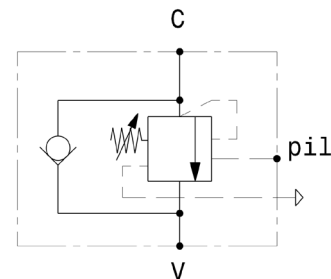
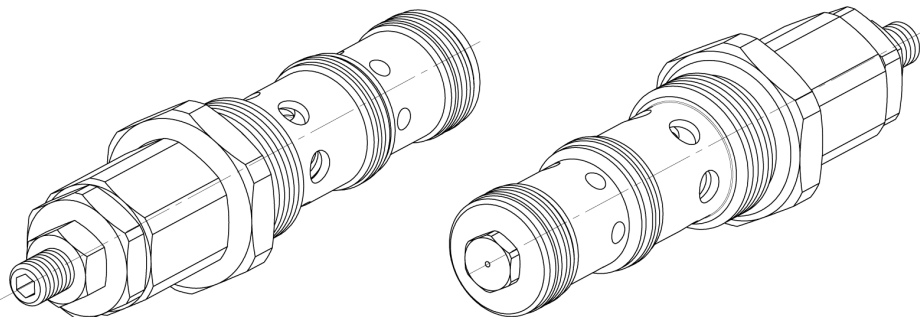
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola OVERCENTER a cartuccia compensata in pressione
 Pressure compensated, pilot assisted COUNTERBALANCE valve – cartridge type

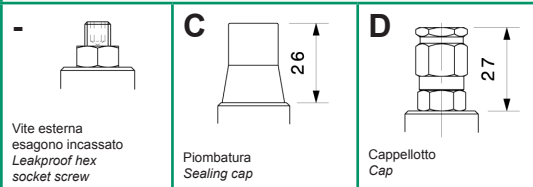
mod. OVC6012CC-C



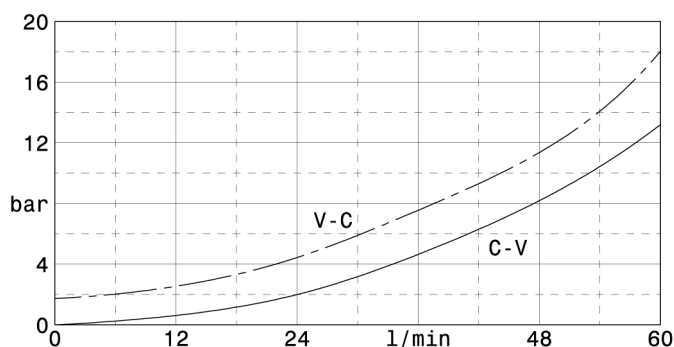
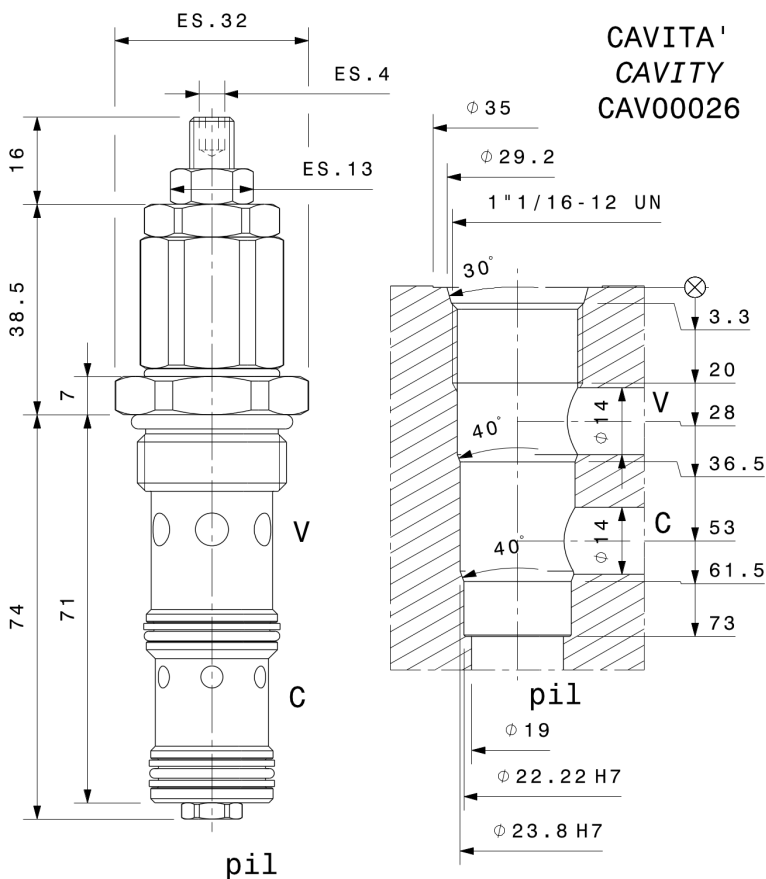
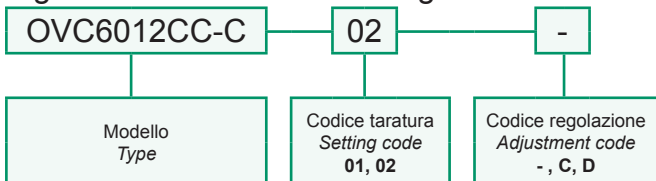
Portata massima Max flow	60 l/min 16 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4,25:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1
Coppia di serraggio Installation torque	110 ÷ 120 Nm 82 ÷ 90 lb ft
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico. The valve must be set at least 1.3 times maximum load induced pressure		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

Regolazioni - Adjustments

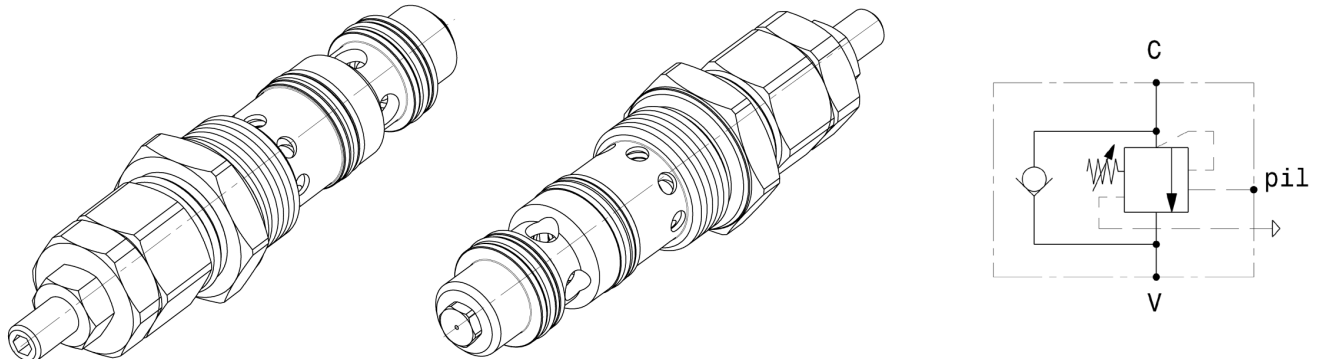


Sigla di ordinazione / Ordering code



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Valvola OVERCENTER a cartuccia compensata in pressione
 Pressure compensated, pilot assisted COUNTERBALANCE valve – cartridge type
 mod. OVC15016CC-C

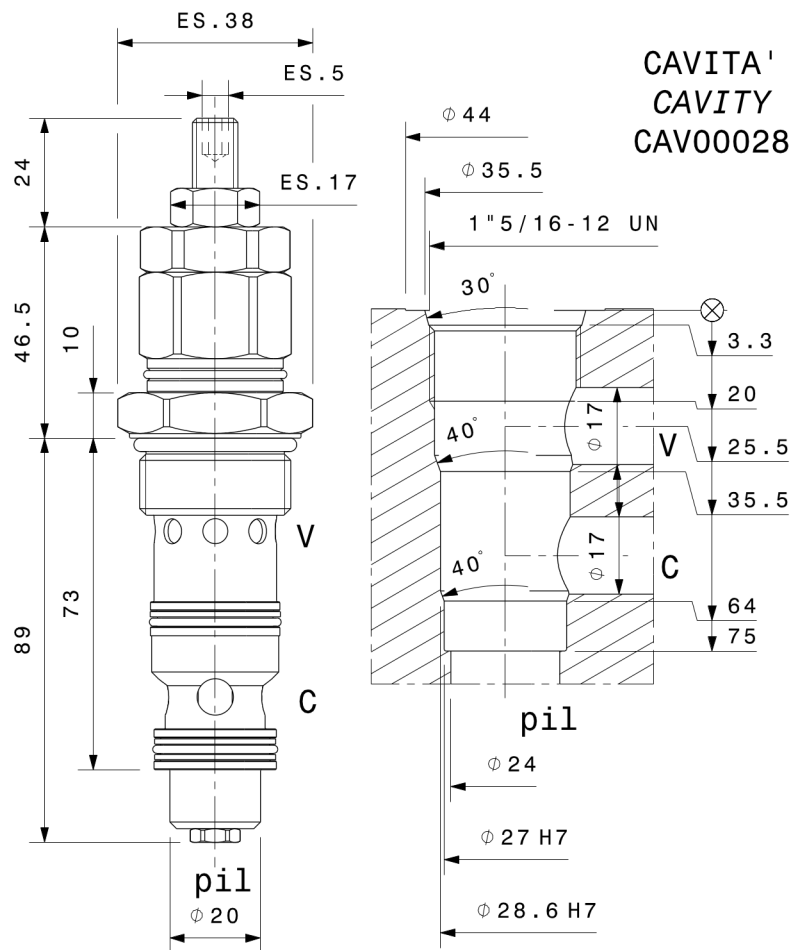


Portata massima Max flow	150 l/min 40 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1
Coppia di serraggio Installation torque	180 ÷ 210 Nm 135 ÷ 157 lb ft
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

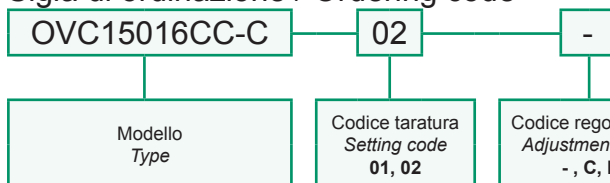
Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

Regolazioni - Adjustments

- Vite esterna esagono incassato Leakproof hex socket screw	C Piombatura Sealing cap	D Cappello Cap
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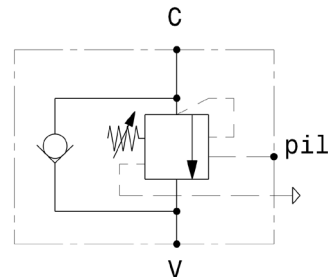
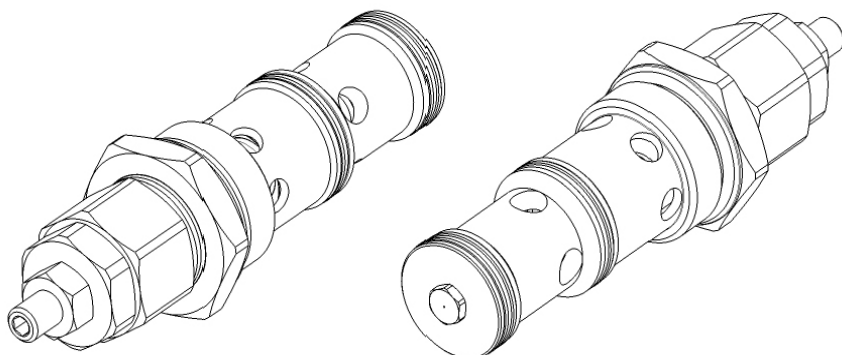
Sigla di ordinazione / Ordering code



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola OVERCENTER a cartuccia compensata in pressione
 Pressure compensated, pilot assisted COUNTERBALANCE valve – cartridge type

mod. OVC20020CC-C



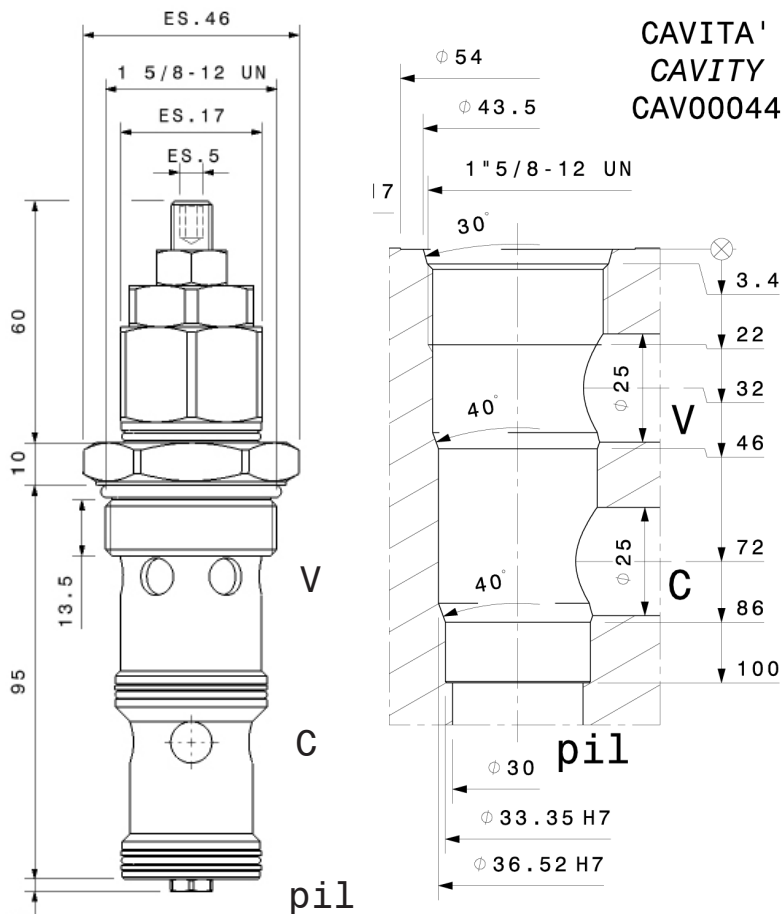
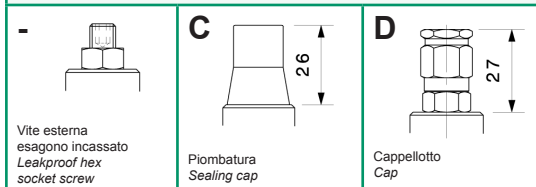
Portata massima Max flow	200 l/min 53 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1
Coppia di serraggio Installation torque	240 ÷ 260 Nm 180 ÷ 195 lb ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

Regolazioni - Adjustments



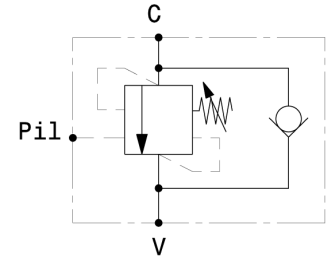
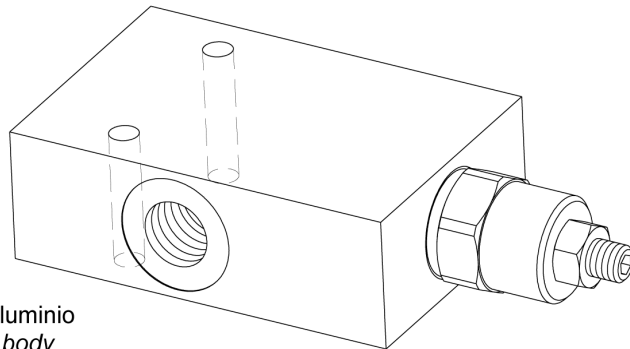
Sigla di ordinazione / Ordering code

OVC20020CC-C — 02 — -

Modello Type	Codice taratura Setting code 01, 02	Codice regolazione Adjustment code -, C, D
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I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER semplice effetto con pilotaggio esterno
 Single effect COUNTERBALANCE valve with external pilot
 mod. OVC-SE



Corpo in alluminio
 Aluminium body

Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4,25:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

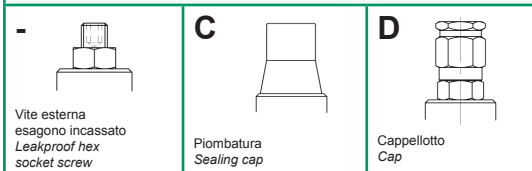
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Modello Type	V, C	Pil	Portata max Max. flow
OVC-SE-38	3/8" GAS	1/4" GAS	40 l/min 10.5 gpm
OVC-SE-12	1/2" GAS	1/4" GAS	60 l/min 16 gpm
OVC-SE-34	3/4" GAS	1/4" GAS	100 l/min 26 gpm
OVC-SE-10	1" GAS	1/4" GAS	120 l/min 32 gpm

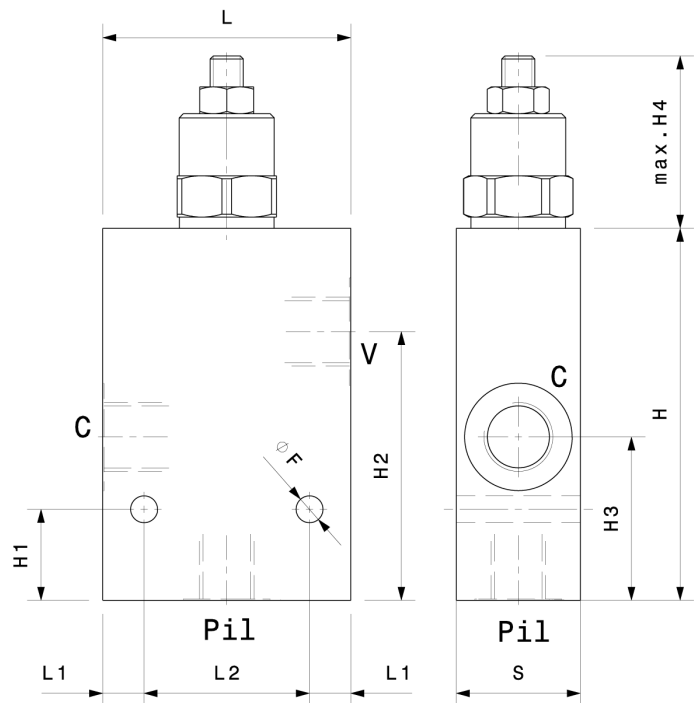
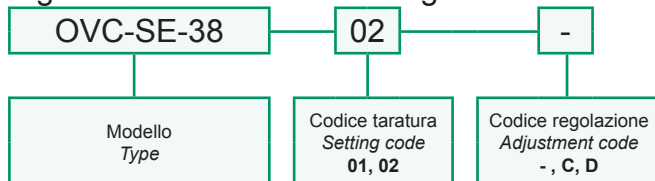
Taratura Setting
 La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico
 The valve must be set at least 1.3 times maximum load induced pressure

Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20+200 bar 290+2900 psi	Bianco White
02	280 bar 4000 psi	50+350 bar 725+5000 psi	Nero Black

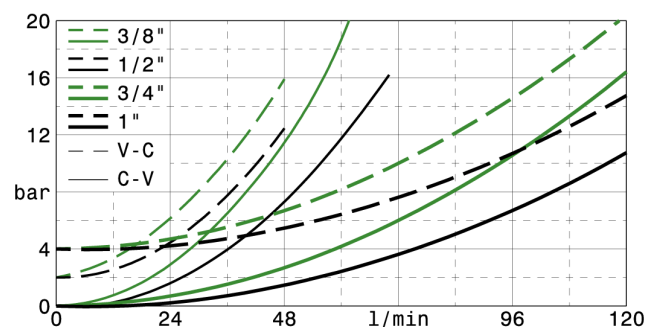
Regolazioni - Adjustments



Sigla di ordinazione / Ordering code



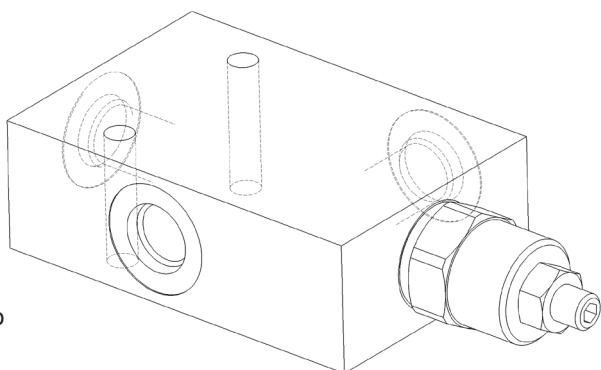
Modello Type	L	H	S	L1	L2	H1	H2	H3	H4	F
OVC-SE-38	60	90	30	10	40	22	65	39.5	42	6.5
OVC-SE-12	60	90	30	10	40	22	65	39.5	42	6.5
OVC-SE-34	70	110	40	10	50	27.5	85	50	46	8.5
OVC-SE-10	70	110	50	10	50	20	81	50	46	8.5



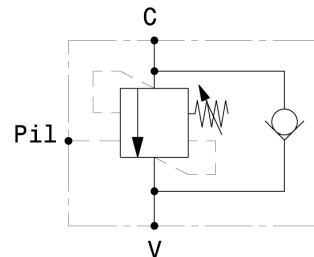
I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER semplice effetto con pilotaggio esterno, attachi SAE
 Single effect COUNTERBALANCE valve with external pilot, SAE ports

mod. OVC-SE-06S / OVC-SE-08S



Corpo in alluminio
 Aluminium body



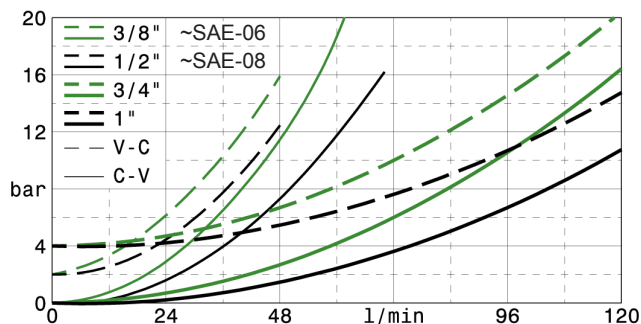
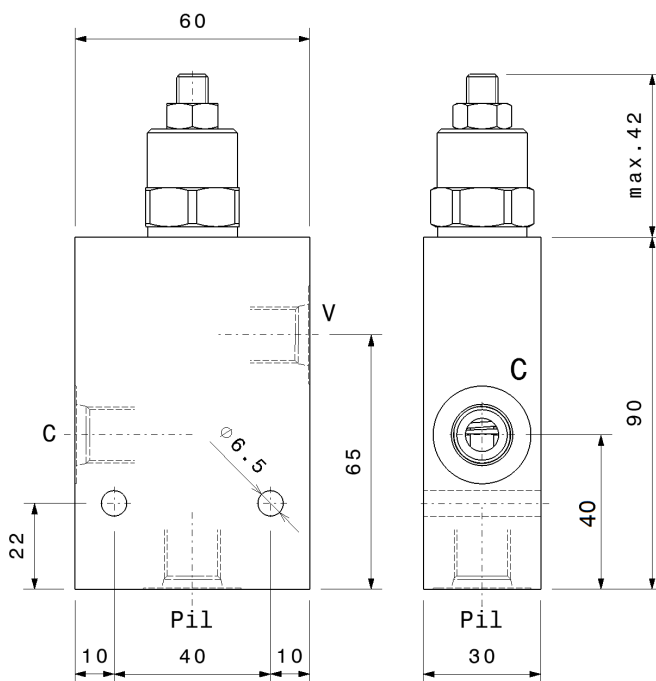
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4,25:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

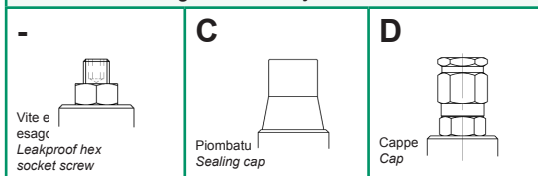
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Modello Type	V, C	Pil	Portata max Max. flow
OVC-SE-06S	SAE-06	SAE-06	40 l/min 10.5 gpm
OVC-SE-08S	SAE-08	SAE-06	60 l/min 16 gpm

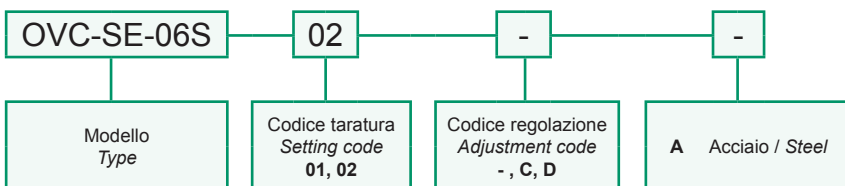
Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black



Regolazioni - Adjustments



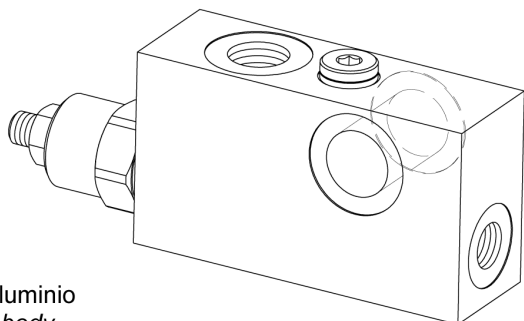
Sigla di ordinazione / Ordering code



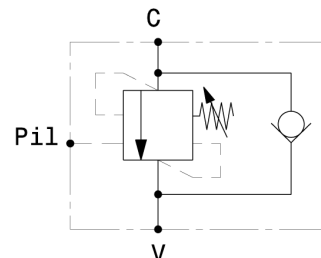
I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER semplice effetto con pilotaggio esterno flangiabile con vite cava
 Single effect COUNTERBALANCE valve with external pilot – nipple screw flangeable

mod. OVC-SE-C



Corpo in alluminio
 Aluminium body



Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4,25:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1

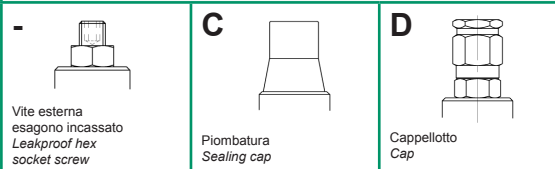
Modello Type	V GAS	Pil GAS	C Ø	H1	H2	L1	Portata max Max. flow
OVC-SE-C-14	1/4"	1/4"	13	31	34	15	25 l/min 6.5 gpm
OVC-SE-C-38	3/8"	1/4"	17	29	36	15	40 l/min 10.5 gpm
OVC-SE-C-12	1/2"	1/4"	21	27	38	15.5	60 l/min 16 gpm

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

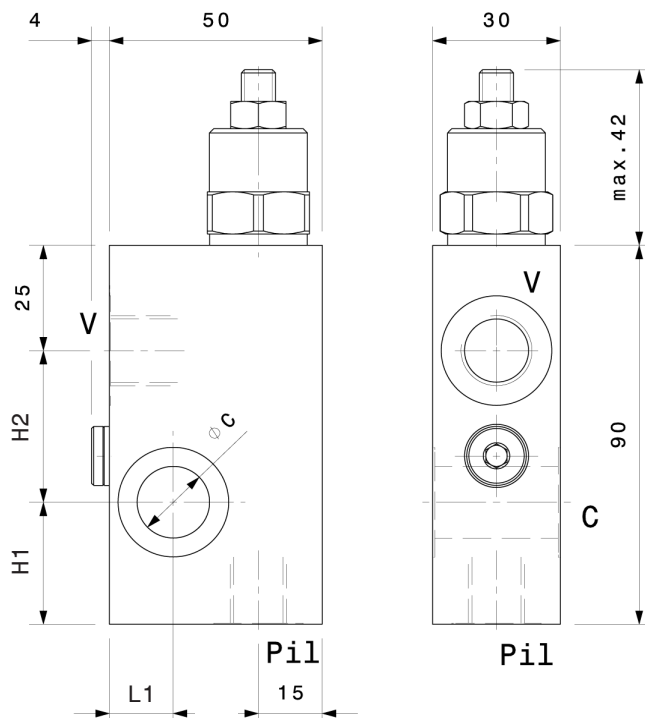
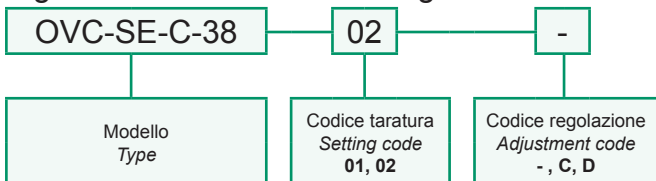
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

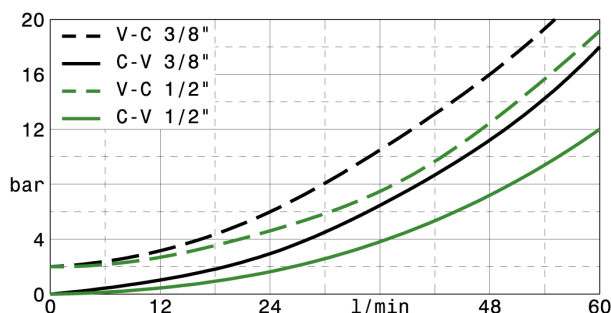
Regolazioni - Adjustments



Sigla di ordinazione / Ordering code



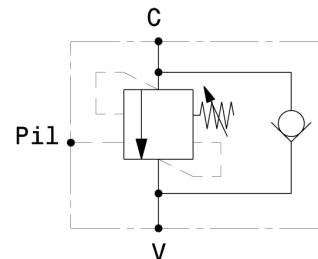
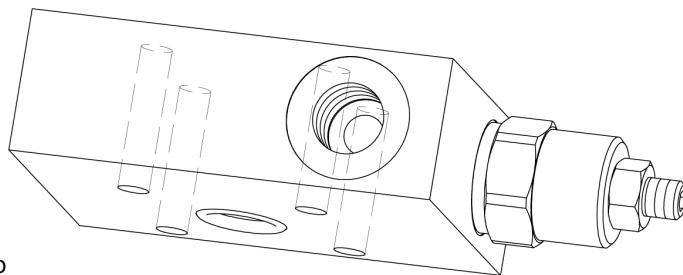
Vite cava disponibile a richiesta Nipple screw available upon request	Modello Type	Codice di ordinazione Ordering Code
	OVC-SEC-14	KITV0012
	OVC-SEC-38	KITV0002
	OVC-SEC-12	KITV0003



I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER semplice effetto con pilotaggio esterno flangiabile
Flange mounted, single effect COUNTERBALANCE valve with external pilot

mod. OVC-SE-F38



Corpo in alluminio
Aluminium body

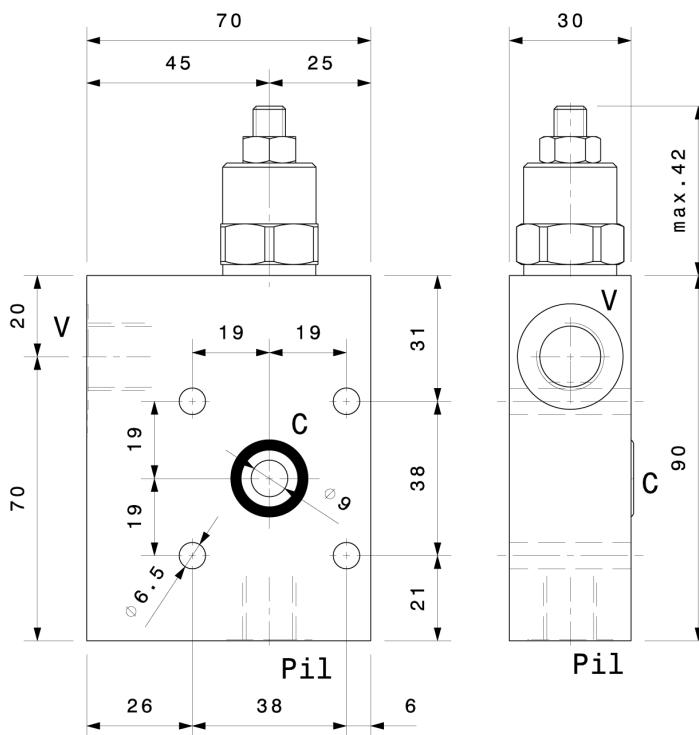
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V	Pil	Portata max <i>Max. flow</i>
OVC-SE-F38-38	3/8" GAS	1/4" GAS	40 l/min 10.5 gpm
OVC-SE-F38-12	1/2" GAS	1/4" GAS	60 l/min 16 gpm

Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black



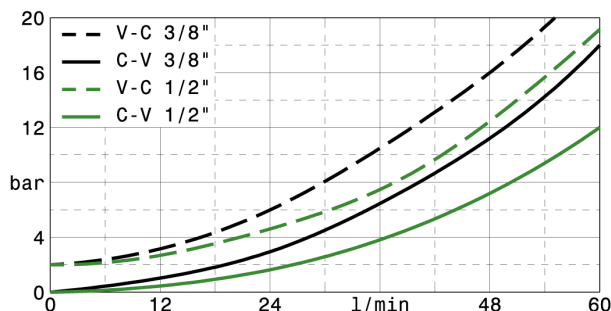
Regolazioni - Adjustments

- Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	C Piombatura <i>Sealing cap</i>	D Cappello <i>Cap</i>
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Sigla di ordinazione / Ordering code

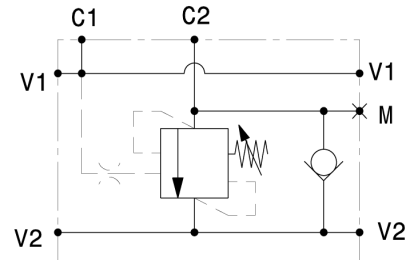
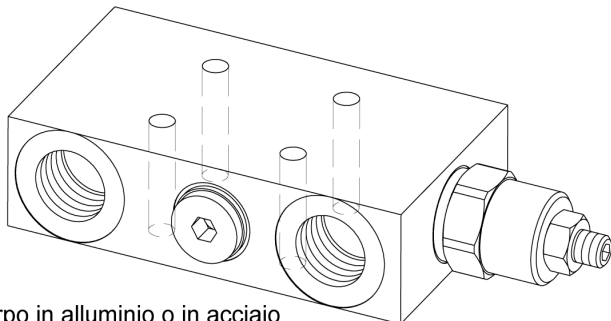
OVC-SE-F38-38 02 -

Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02	Codice regolazione <i>Adjustment code</i> -, C, D
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I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER semplice effetto flangiabile
Flange mounted, single effect COUNTERBALANCE valve
 mod. OVC-SE-F2-PST



Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

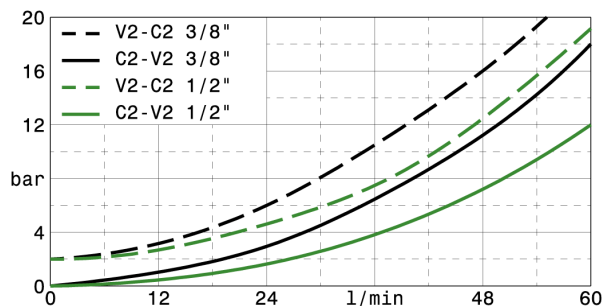
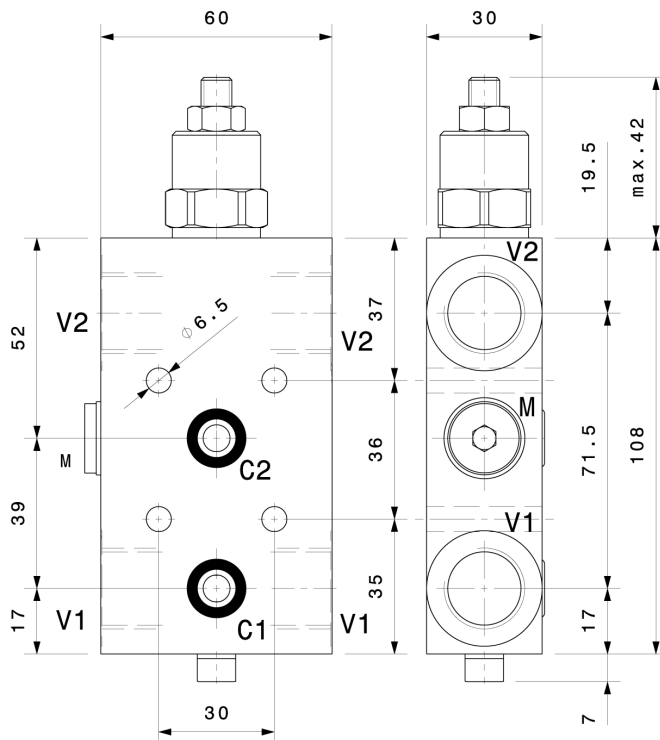
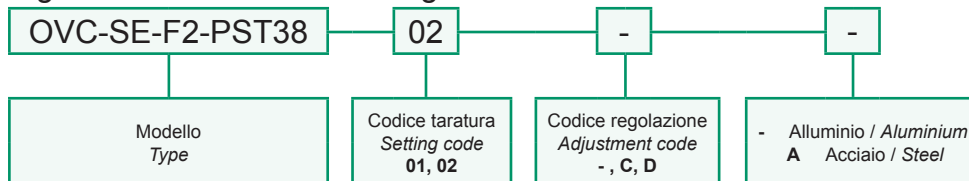
Modello <i>Type</i>	V1, V2	M	Portata max <i>Max. flow</i>
OVC-SE-F2-PST-38	3/8" GAS	1/4" GAS	40 l/min 10.5 gpm
OVC-SE-F2-PST-12	1/2" GAS	1/4" GAS	60 l/min 16 gpm

Taratura <i>Setting</i>	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar <i>1450 psi</i>	20÷200 bar <i>290÷2900 psi</i>	Bianco <i>White</i>
02	280 bar <i>4000 psi</i>	50÷350 bar <i>725÷5000 psi</i>	Nero <i>Black</i>

Regolazioni - *Adjustments*

-	C	D
Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	Piomatura <i>Sealing cap</i>	Cappello <i>Cap</i>

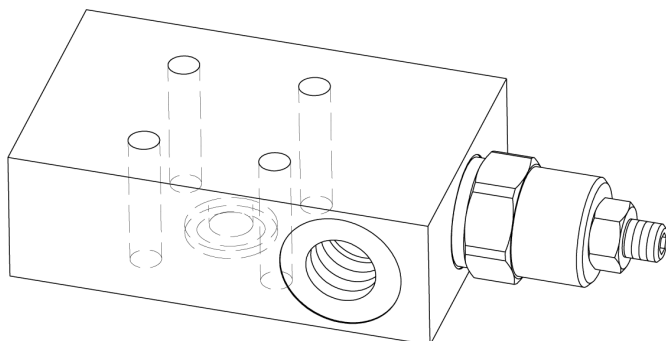
Sigla di ordinazione / *Ordering code*



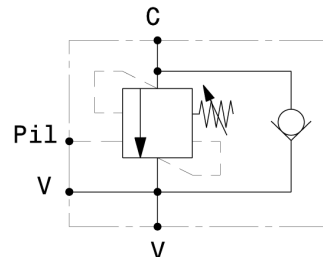
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER semplice effetto con pilotaggio esterno flangiabile - acciaio
 Flange mounted, single effect COUNTERBALANCE valve with external pilot - steel

mod. OVC-SE-F-A



Corpo in acciaio
Steel body



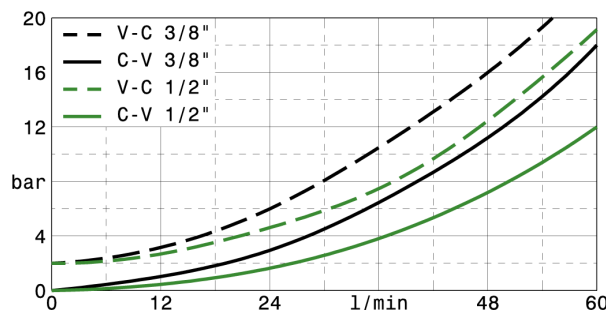
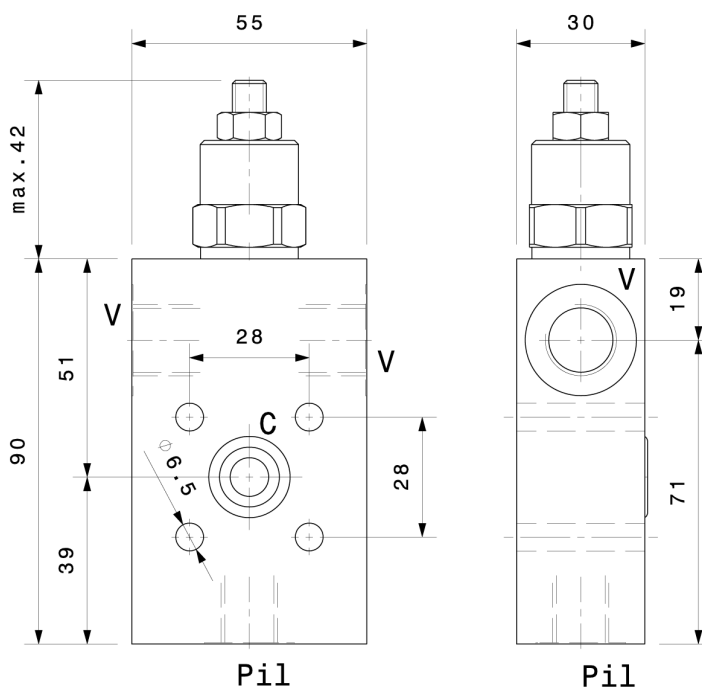
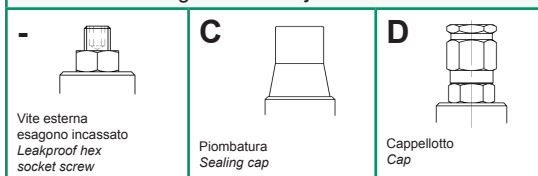
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4,25:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

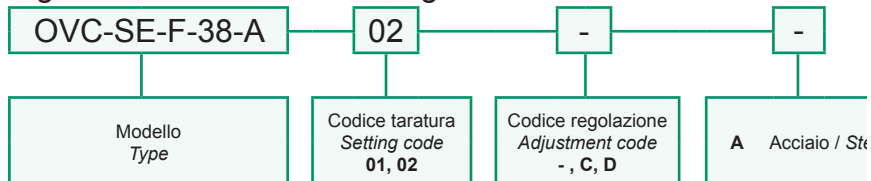
Modello Type	V	Pil	Portata max Max. flow
OVC-SE-F-38-A	3/8" GAS	1/4" GAS	40 l/min 10.5 gpm
OVC-SE-F-12-A	1/2" GAS	1/4" GAS	60 l/min 16 gpm

Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

Regolazioni - Adjustments



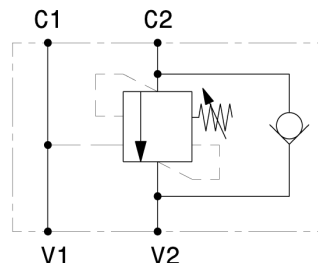
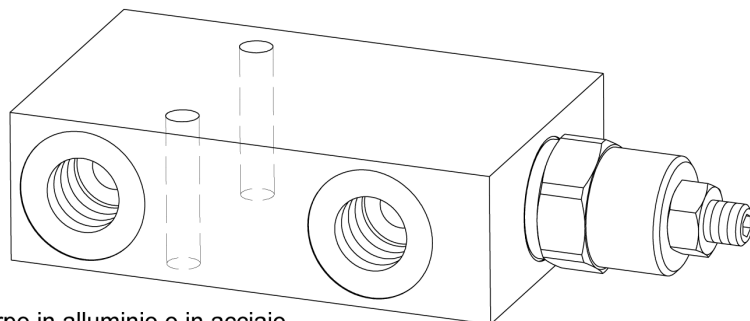
Sigla di ordinazione / Ordering code



I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER semplice effetto in linea
In line, single effect COUNTERBALANCE valve

mod. OVC-SE-L



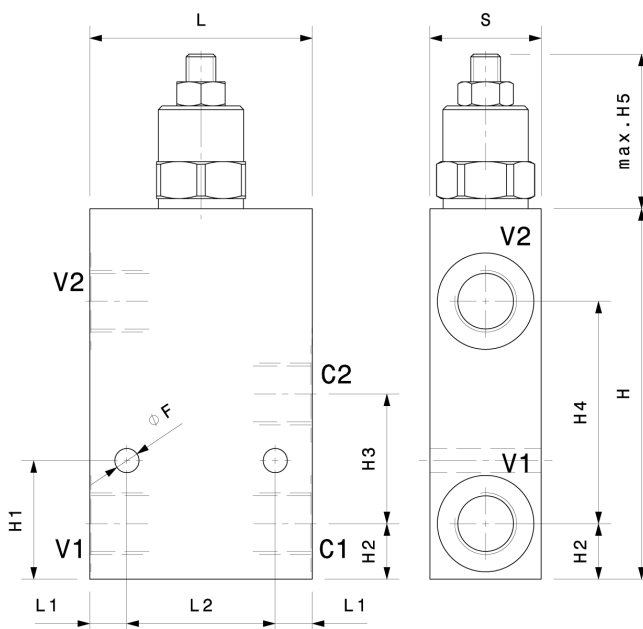
Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4,25:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Modello Type	V1, V2 C1, C2	Portata max Max. flow
OVC-SE-L-38	3/8" GAS	40 l/min 10.5 gpm
OVC-SE-L-12	1/2" GAS	60 l/min 16 gpm
OVC-SE-L-34	3/4" GAS	100 l/min 26 gpm
OVC-SE-L-10	1" GAS	120 l/min 32 gpm

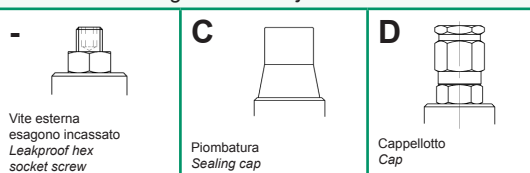


Taratura Setting
La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico
The valve must be set at least 1.3 times maximum load induced pressure

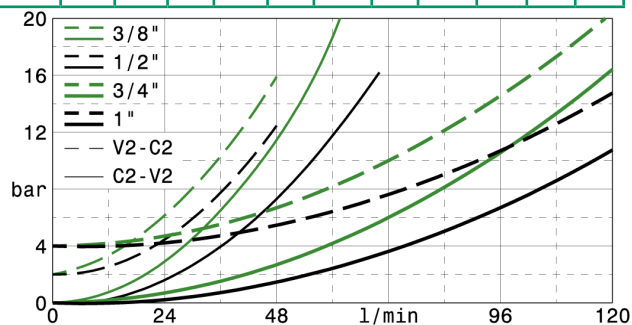
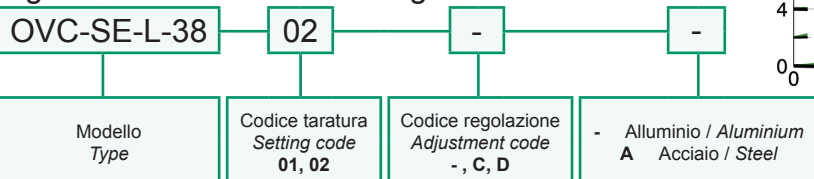
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20+200 bar 290+2900 psi	Bianco White
02	280 bar 4000 psi	50+350 bar 725+5000 psi	Nero Black

Modello Type	L	H	S	L1	L2	H1	H2	H3	H4	H5	F
OVC-SE-L-38	60	100	30	10	40	32	15	35	60	42	6.5
OVC-SE-L-12	60	100	30	10	40	32	15	35	60	42	6.5
OVC-SE-L-34	70	125	40	10	50	42.5	20	45	80	48	8.5
OVC-SE-L-10	70	140	50	10	50	51	25	52	90	48	8.5

Regolazioni - Adjustments



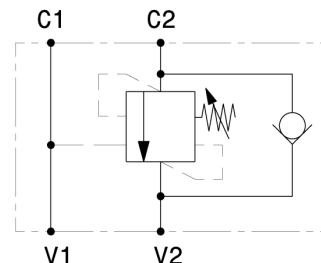
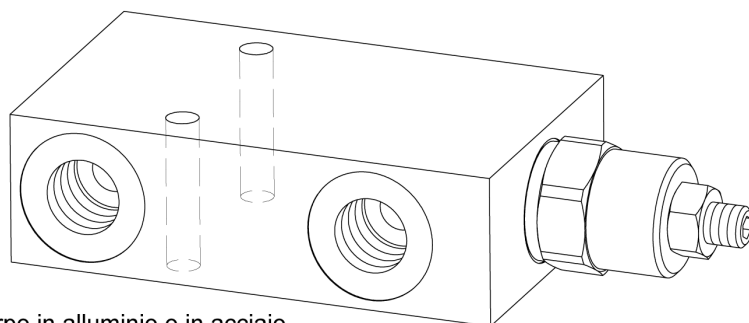
Sigla di ordinazione / Ordering code



I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER semplice effetto in linea
In line, single effect COUNTERBALANCE valve

mod. OVC-SE-L (1/4"-1/8"BSP)

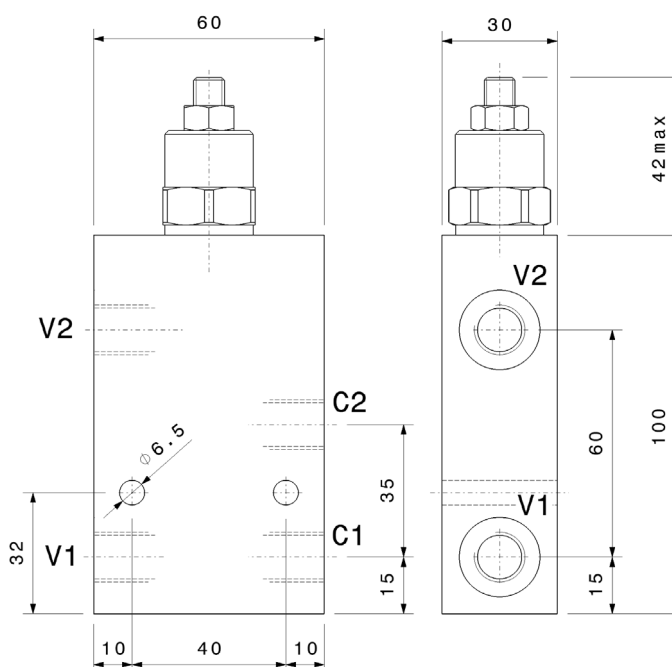


Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4,25:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

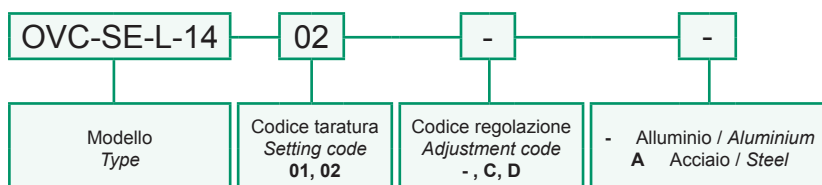
Modello Type	V1, V2 C1, C2	Portata max Max. flow
OVC-SE-L-18	1/8"GAS	15 l/min 4 gpm
OVC-SE-L-14	1/4"GAS	25 l/min 6,5 gpm



Taratura Setting			
La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

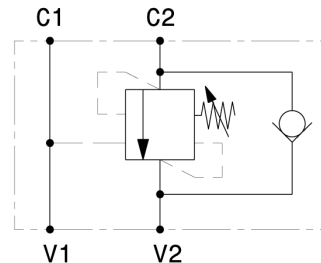
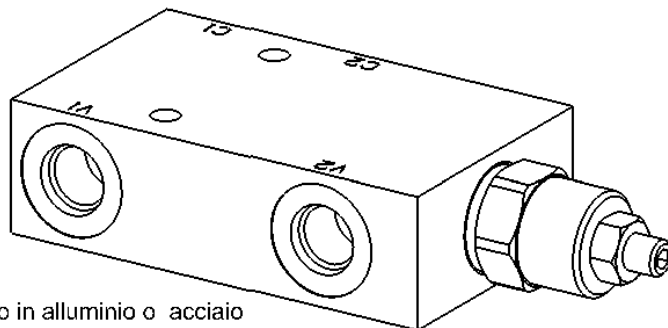
Regolazioni - Adjustments		
- Vite esterna esagono incassato Leakproof hex socket screw	C Piombaturo Sealing cap	D Cappello Cap

Sigla di ordinazione / Ordering code



I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER semplice effetto in linea, attacchi SAE
In line, single effect COUNTERBALANCE valve, SAE ports
 mod. OVC-SE-L-06S / OVC-SE-L-08S



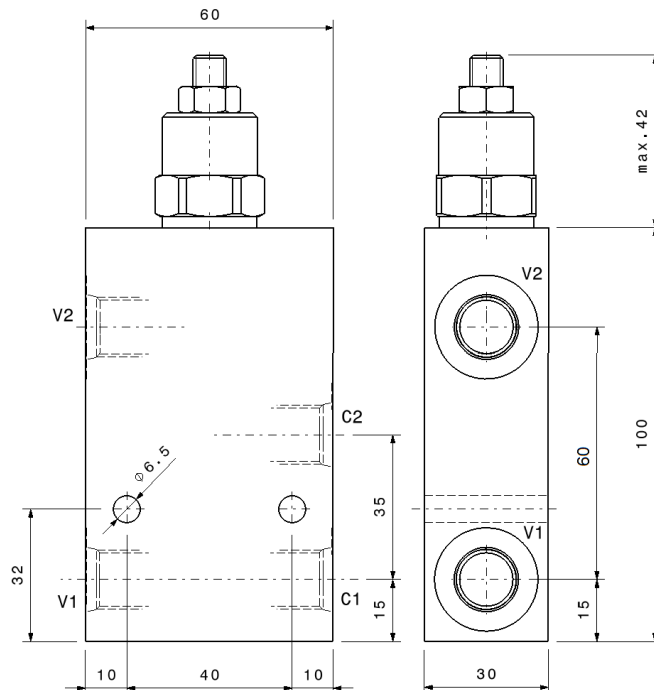
Versione con corpo in alluminio o acciaio
Aluminium or steel body version

Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V1, C1	V2, C2	Portata max <i>Max. flow</i>
OVC-SEL-06S	SAE-06	SAE-06	40 l/min 10.5 gpm
OVC-SEL-08S	SAE-08	SAE-08	60 l/min 16 gpm



Taratura <i>Setting</i>	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar <i>1450 psi</i>	20÷200 bar <i>290÷2900 psi</i>	Bianco <i>White</i>
02	280 bar <i>4000 psi</i>	50÷350 bar <i>725÷5000 psi</i>	Nero <i>Black</i>

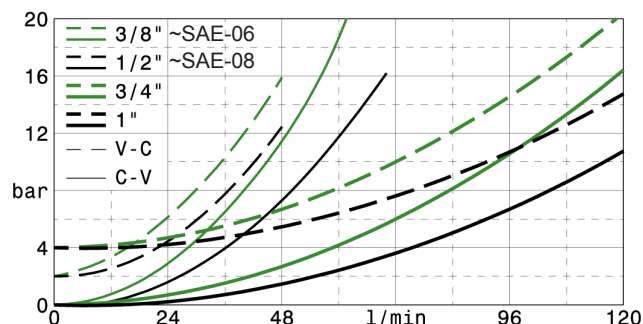
Regolazioni - *Adjustments*

 Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	 Piomatura <i>Sealing cap</i>	 Cappellotto <i>Cap</i>
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Sigla di ordinazione / *Ordering code*

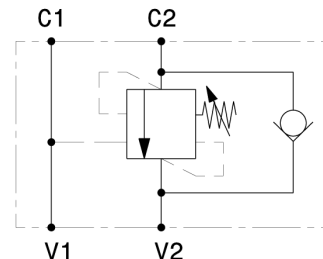
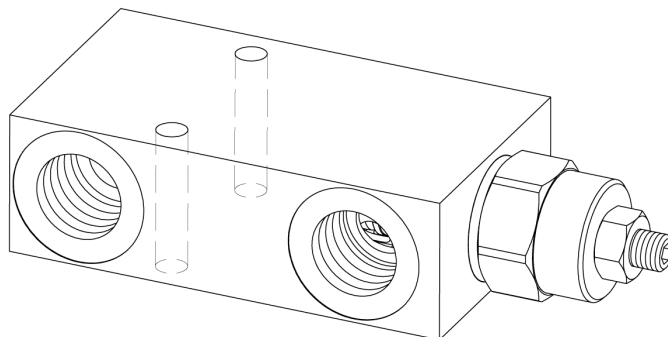
OVC-SE-L-06S 02 - -

Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02	Codice regolazione <i>Adjustment code</i> -, C, D	- Alluminio / <i>Aluminium</i> A Acciaio / <i>Steel</i>
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I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER semplice effetto in linea
In line, single effect COUNTERBALANCE valve
 mod. OVC-SE-L-200



Corpo in alluminio
 Aluminium body

Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

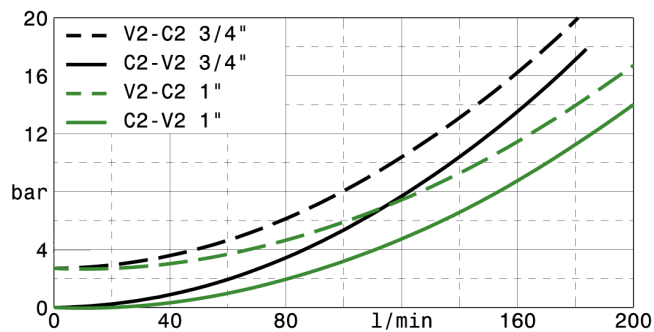
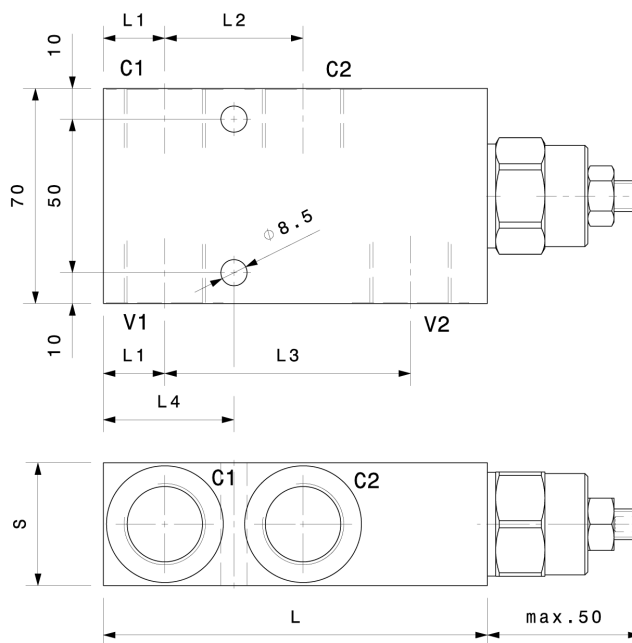
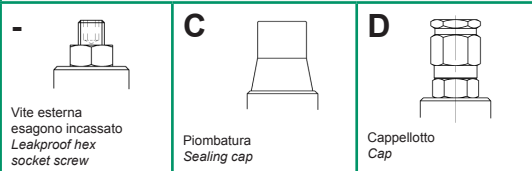
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V1, V2 C1, C2	Portata max <i>Max. flow</i>
OVC-SE-L-200-34	3/4" GAS	150 l/min 40 gpm
OVC-SE-L-200-10	1" GAS	200 l/min 53 gpm

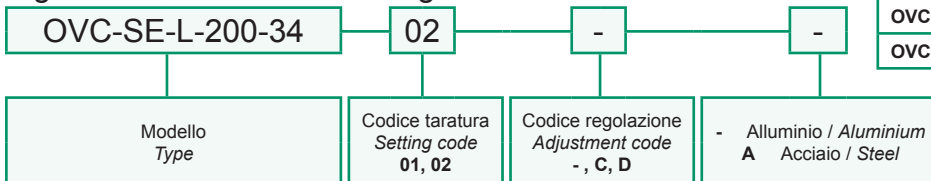
Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

Regolazioni - Adjustments



Modello <i>Type</i>	L	S	L1	L2	L3	L4
OVC-SE-L-200-34	125	40	20	45	80	42.5
OVC-SE-L-200-10	140	50	25	52	90	51

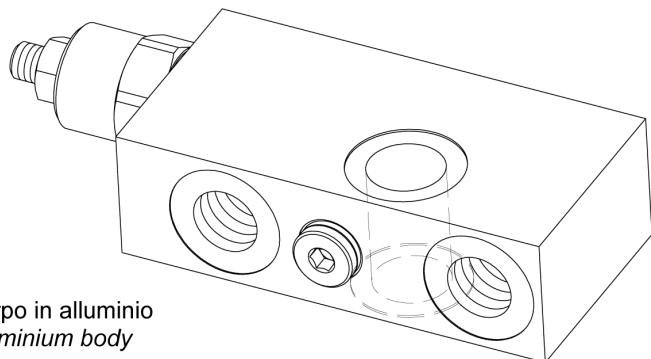
Sigla di ordinazione / Ordering code



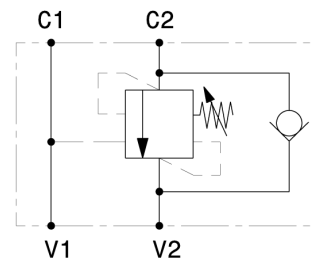
I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER semplice effetto in linea flangiabile con vite cava
In line, single effect COUNTERBALANCE valve – nipple screw flangeable

mod. OVC-SE-CL



Corpo in alluminio
Aluminium body



Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

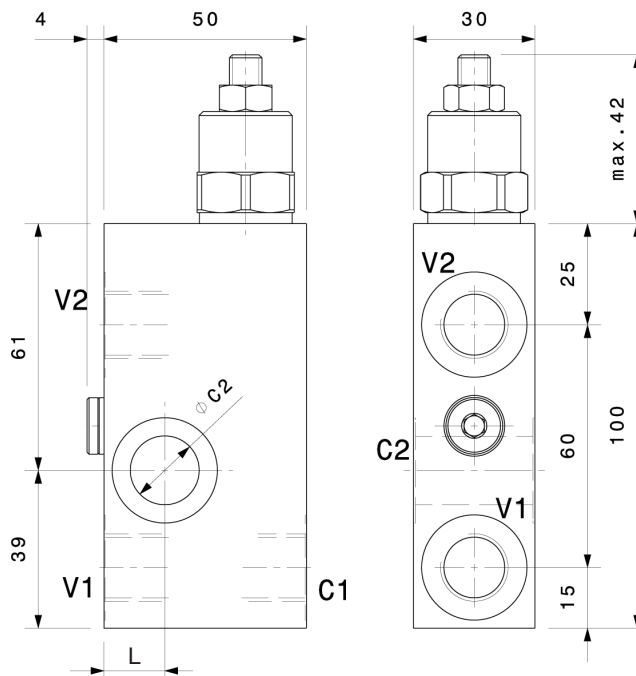
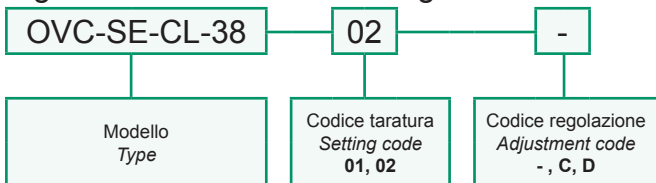
Modello <i>Type</i>	C1, V1, V2	C Ø	L	Portata max <i>Max. flow</i>
OVC-SE-CL-38	3/8" GAS	17	15	40 l/min 10.5 gpm
OVC-SE-CL-12	1/2" GAS	21	17	60 l/min 16 gpm

Taratura <i>Setting</i>			
La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

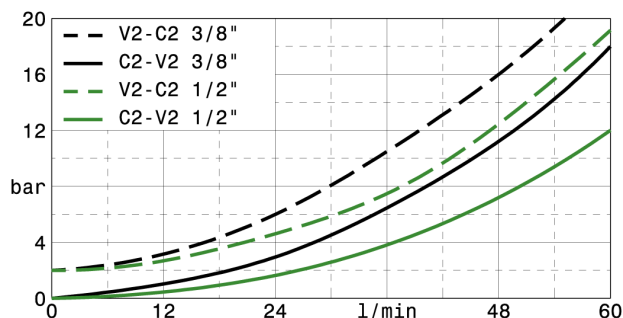
Regolazioni - Adjustments

 Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	C Piombatura <i>Sealing cap</i>	D Cappello <i>Cap</i>
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Sigla di ordinazione / Ordering code

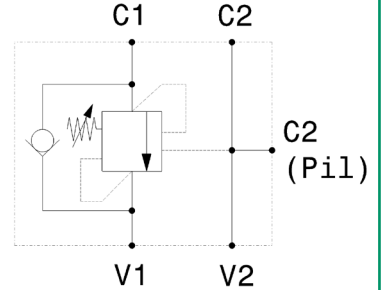
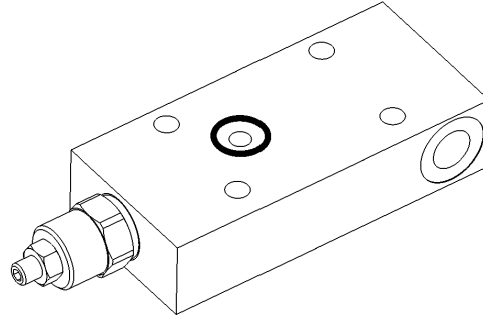
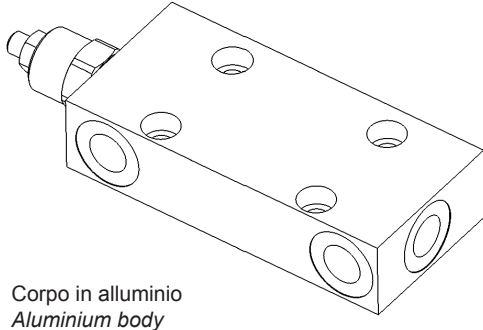


Vite cava disponibile a richiesta <i>Nipple screw</i> available upon request	Modello <i>Type</i>	Codice di ordinazione <i>Ordering Type</i>
	OVC-SE-CL-38	KITV0002
	OVC-SE-CL-12	KITV0003



I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER in linea semplice effetto con pilotaggio esterno flangiabile
Flange mounted, single effect COUNTERBALANCE in line valve with external pilot
mod. OVC-SE-L-F40-38



Corpo in alluminio
Aluminium body

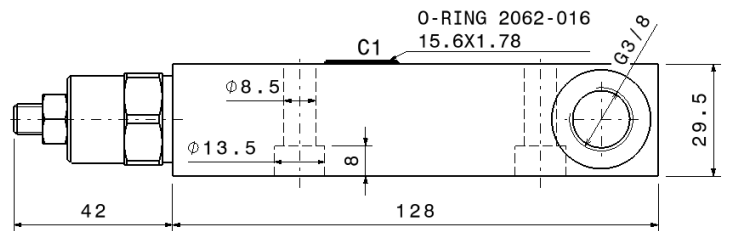
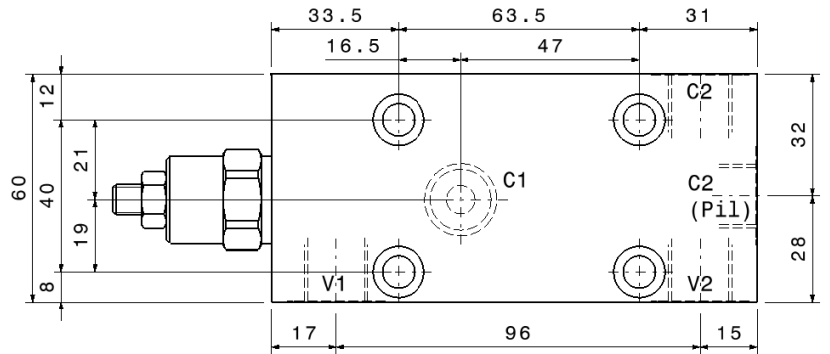
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V1,V2,C2	C2(Pil)	Portata max <i>Max. flow</i>
OVC-SE-L-F40-38	3/8" GAS	3/8" GAS	40 l/min 10.5 gpm

Taratura <i>Setting</i>	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar 1450 psi	20+200 bar 290+2900 psi	Bianco White
02	280 bar 4000 psi	50+350 bar 725+5000 psi	Nero Black



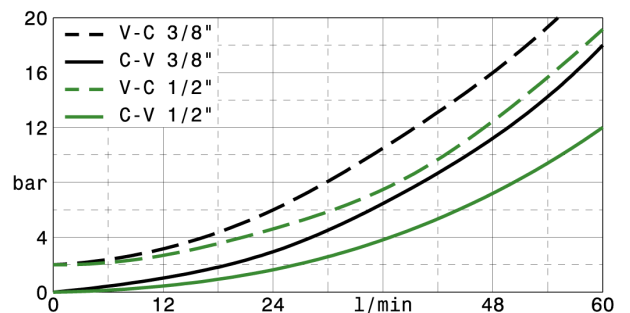
Regolazioni - *Adjustments*

-	C	D
Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	Piombatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>

Sigla di ordinazione / *Ordering code*

OVC-SE-L-F40-38	02	-
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02	Codice regolazione <i>Adjustment code</i> -, C, D

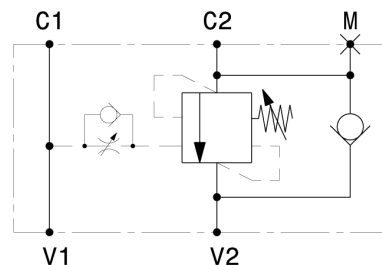
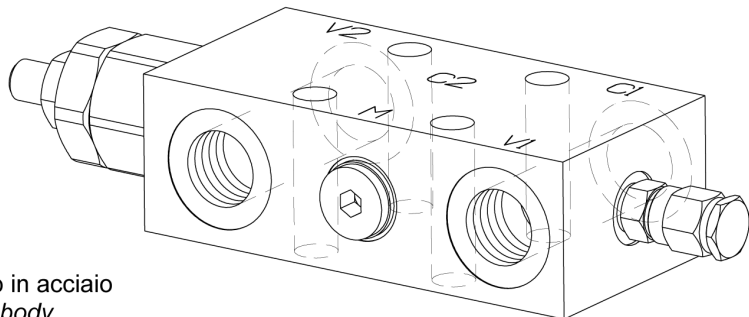
Vedi solo curva 3/8"
See only 3/8" curve



I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER in linea semplice effetto flangiabile - acciaio
 In line, flange mounted, single effect COUNTERBALANCE valve - steel

mod. OVC-SE-L-F40-PST



Corpo in acciaio
 Steel body

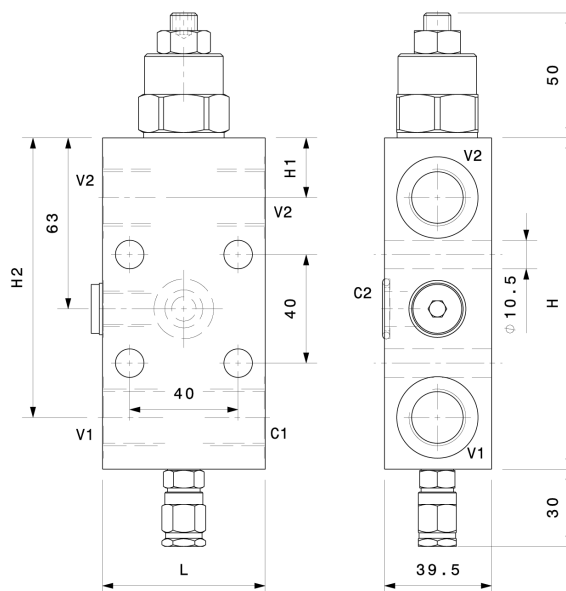
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4,25:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

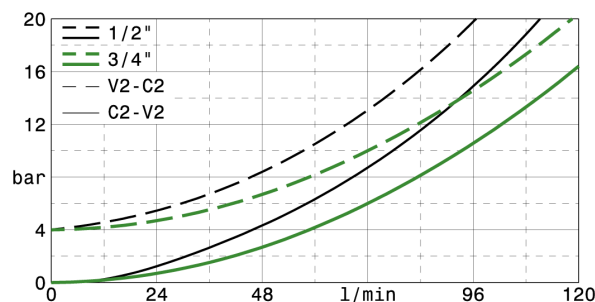
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Modello Type	V1, V2	M	Portata max Max. flow
OVC-SE-L-F40-PST-12	1/2" GAS	1/4" GAS	80 l/min 21 gpm
OVC-SE-L-F40-PST-34	3/4" GAS	1/4" GAS	120 l/min 32 gpm

Taratura Setting			
La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black



Modello Type	L	H	H1	H2
OVC-SE-L-F40-PST-12	60	122	22	103
OVC-SE-L-F40-PST-34	80	128	21	100



Regolazioni - Adjustments

 Vite esterna esagono incassato Leakproof hex socket screw	 Piombatura Sealing cap	 Cappellotto Cap
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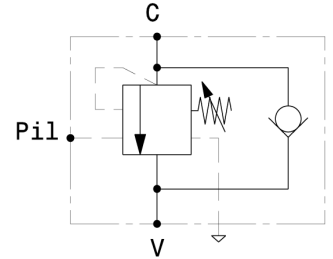
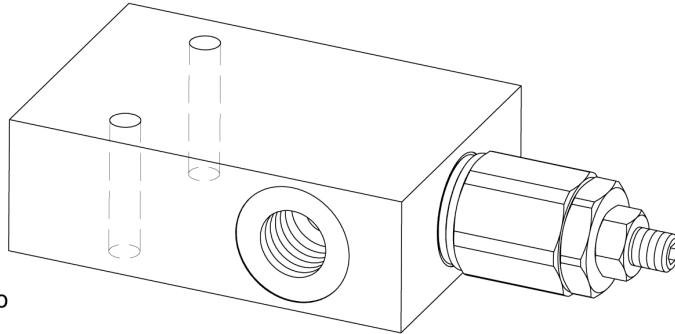
Sigla di ordinazione / Ordering code

OVC-SE-L-F40-PST-34 — 02 — - — -

Modello Type	Codice taratura Setting code 01, 02	Codice regolazione Adjustment code -, C, D	A Acciaio / Steel
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I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER semplice effetto compensata in pressione con pilotaggio esterno
Single effect COUNTERBALANCE pressure compensated valve with external pilot
mod. OVC-SE-CC



Corpo in alluminio
Aluminium body

Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

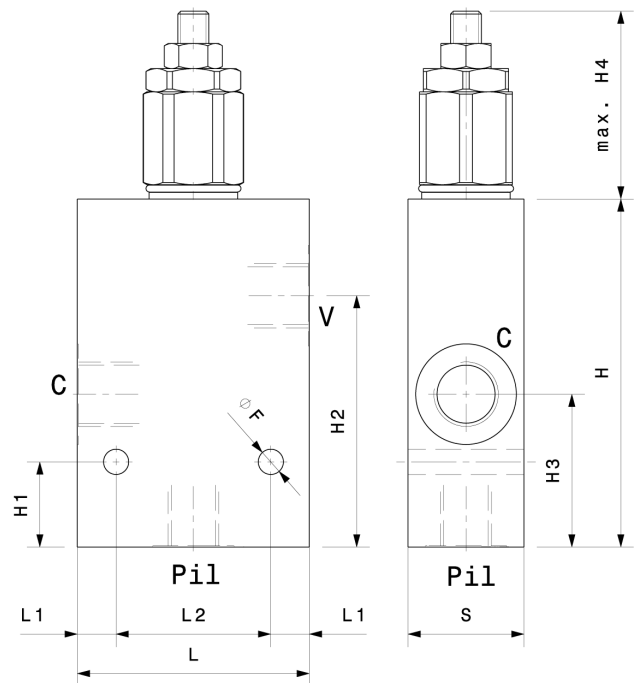
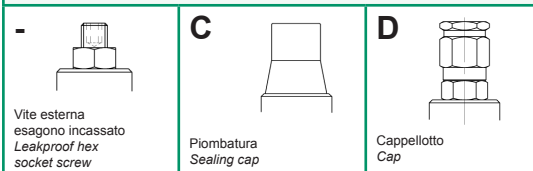
Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V, C	Pil	Portata max <i>Max. flow</i>
OVC-SE-CC-38	3/8" GAS	1/4" GAS	40 l/min 10.5 gpm
OVC-SE-CC-12	1/2" GAS	1/4" GAS	60 l/min 16 gpm
OVC-SE-CC-34	3/4" GAS	1/4" GAS	100 l/min 26 gpm
OVC-SE-CC-10	1" GAS	1/4" GAS	120 l/min 32 gpm

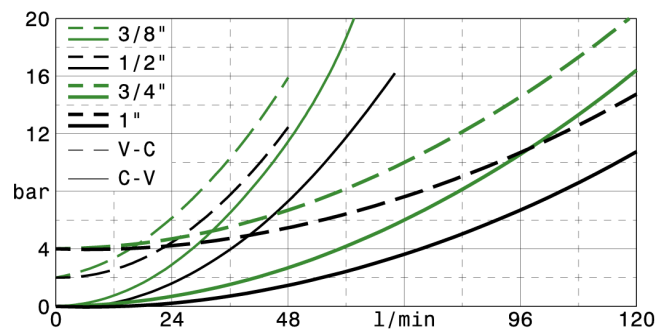
Taratura Setting
 La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico
The valve must be set at least 1.3 times maximum load induced pressure

Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar 1450 psi	20+200 bar 290+2900 psi	Bianco White
02	280 bar 4000 psi	50+350 bar 725+5000 psi	Nero Black

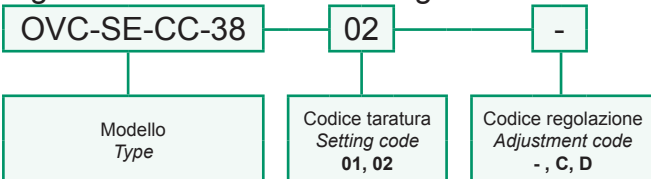
Regolazioni - Adjustments



Modello <i>Type</i>	L	H	S	L1	L2	H1	H2	H3	H4	F
OVC-SE-CC-38	60	90	30	10	40	22	65	39.5	50	6.5
OVC-SE-CC-12	60	90	30	10	40	22	65	39.5	50	6.5
OVC-SE-CC-34	70	110	40	10	50	27.5	85	50	58	8.5
OVC-SE-CC-10	70	110	50	10	50	20	81	50	58	8.5



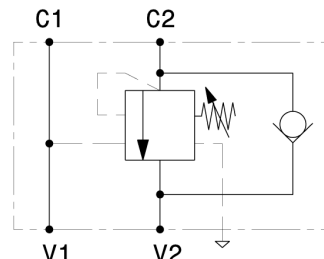
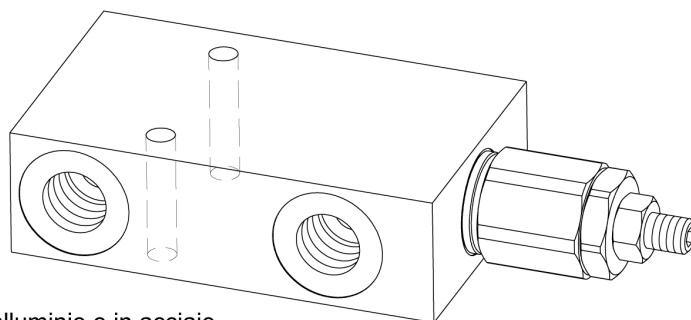
Sigla di ordinazione / Ordering code



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER compensata in pressione semplice effetto in linea
In line, single effect pressure compensated COUNTERBALANCE valve

mod. OVC-SE-L-CC



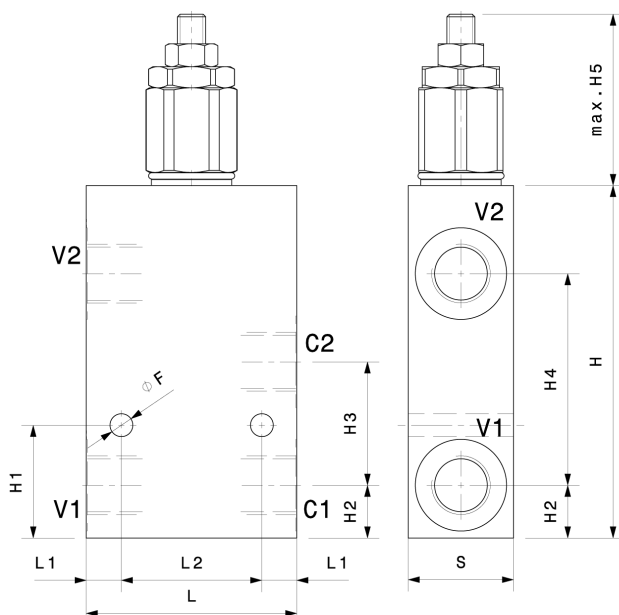
Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V1, V2 C1, C2	Portata max <i>Max. flow</i>
OVC-SE-L-CC-38	3/8" GAS	40 l/min 10.5 gpm
OVC-SE-L-CC-12	1/2" GAS	60 l/min 16 gpm
OVC-SE-L-CC-34	3/4" GAS	100 l/min 26 gpm
OVC-SE-L-CC-10	1" GAS	120 l/min 32 gpm

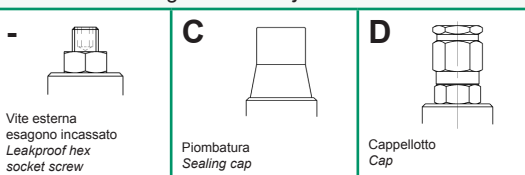


Modello <i>Type</i>	L	H	S	L1	L2	H1	H2	H3	H4	H5	F
OVC-SE-L-CC-38	60	100	30	10	40	32	15	35	60	50	6.5
OVC-SE-L-CC-12	60	100	30	10	40	32	15	35	60	50	6.5
OVC-SE-L-CC-34	70	125	40	10	50	42.5	20	45	80	58	8.5
OVC-SE-L-CC-10	70	140	50	10	50	51	25	52	90	58	8.5

Taratura
Setting
 La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico
The valve must be set at least 1.3 times maximum load induced pressure

Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar <i>1450 psi</i>	20+200 bar <i>290+2900 psi</i>	Bianco <i>White</i>
02	280 bar <i>4000 psi</i>	50+350 bar <i>725+5000 psi</i>	Nero <i>Black</i>

Regolazioni - *Adjustments*



Sigla di ordinazione / *Ordering code*

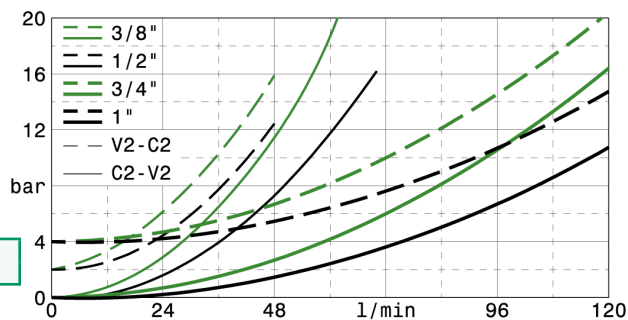
OVC-SE-L-CC-38

02

-

-

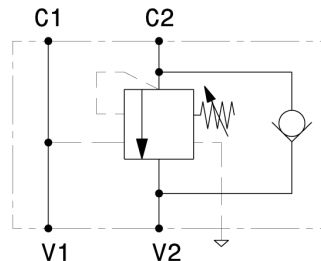
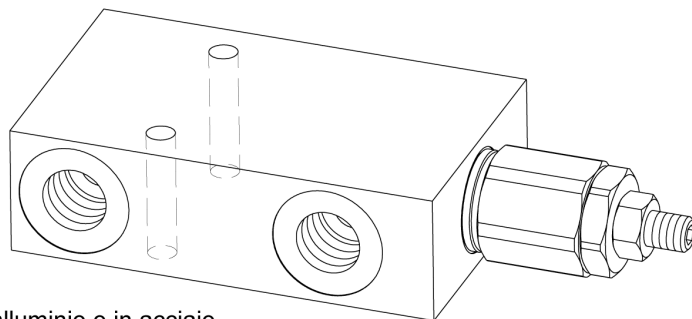
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02	Codice regolazione <i>Adjustment code</i> -, C, D	- Alluminio / <i>Aluminium</i> A Acciaio / <i>Steel</i>
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I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER compensata in pressione semplice effetto in linea
In line, single effect pressure compensated COUNTERBALANCE valve

mod. **OVC-SE-L-CC** (1/4"-1/8"BSP)

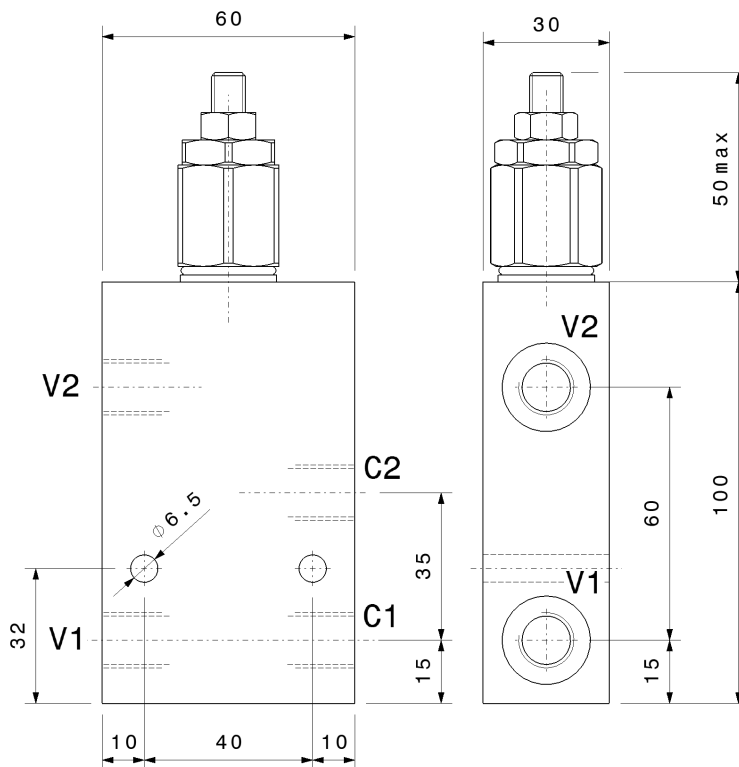


Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

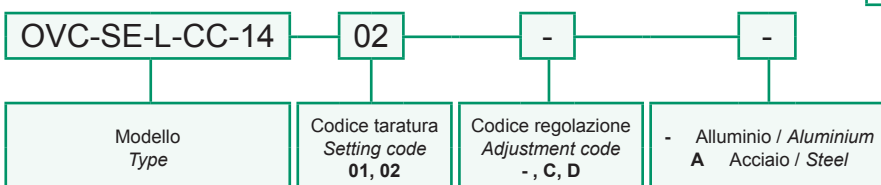
Modello <i>Type</i>	V1, V2 C1, C2	Portata max <i>Max. flow</i>
OVC-SE-L-CC-18	1/8"GAS	15 l/min 4 gpm
OVC-SE-L-CC-14	1/4"GAS	25 l/min 6,5 gpm

Taratura <i>Setting</i>	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar 1450 psi	20+200 bar 290+2900 psi	Bianco <i>White</i>
02	280 bar 4000 psi	50+350 bar 725+5000 psi	Nero <i>Black</i>



Regolazioni - <i>Adjustments</i>		
- Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	C Piombatura <i>Sealing cap</i>	D Cappellotto <i>Cap</i>

Sigla di ordinazione / *Ordering code*



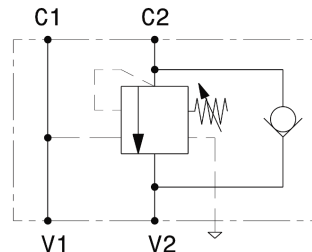
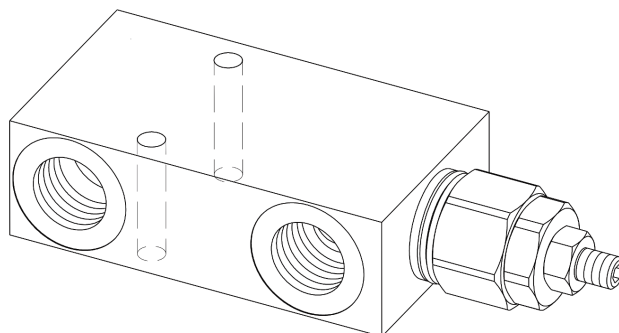
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER compensata in pressione semplice effetto in linea
In line, single effect pressure compensated COUNTERBALANCE valve

mod. **OVC-SE-L-200-CC**



Corpo in alluminio
Aluminium body

Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C <i>Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C</i>	
Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V1, V2 C1, C2	Portata max <i>Max. flow</i>
OVC-SE-L-200-CC-34	3/4" GAS	150 l/min 40 gpm
OVC-SE-L-200-CC-10	1" GAS	200 l/min 53 gpm

Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

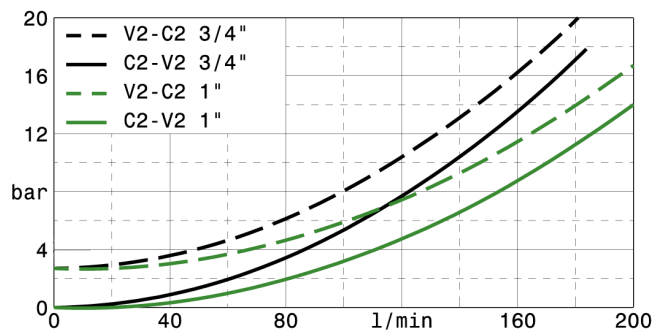
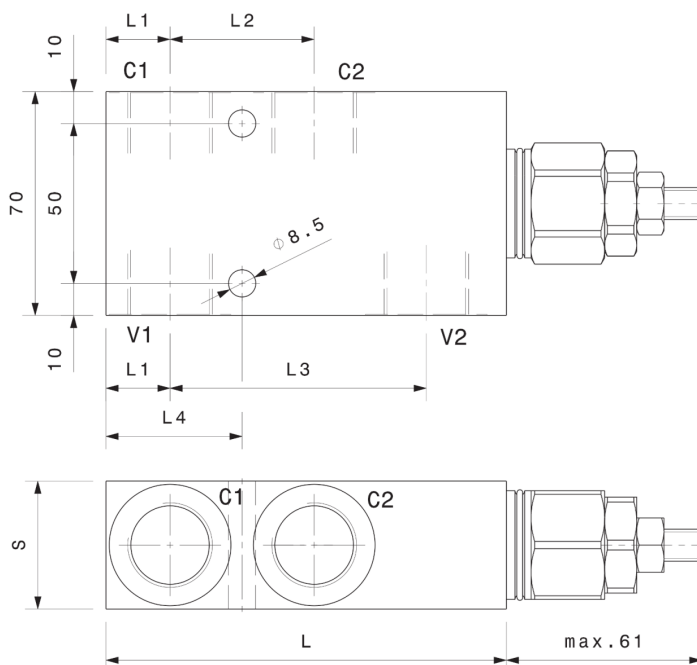
Regolazioni - Adjustments

-	C	D
 Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	 Piombatura <i>Sealing cap</i>	 Cappellotto <i>Cap</i>

Sigla di ordinazione / Ordering code

OVC-SE-L-200-CC-34 — 02 — - — -

Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02	Codice regolazione <i>Adjustment code</i> -, C, D	- Alluminio / Aluminium A Acciaio / Steel
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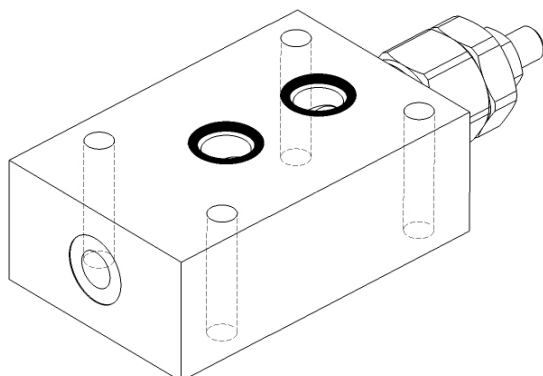


Modello <i>Type</i>	L	S	L1	L2	L3	L4
OVC-SE-L-200-CC-34	125	40	20	45	80	42.5
OVC-SE-L-200-CC-10	140	50	25	52	90	51

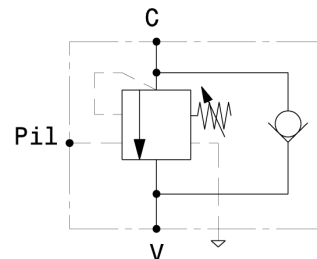
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER semplice effetto compensata in pressione con pilotaggio esterno flangiabile
Flange mounted single effect pressure compensated COUNTERBALANCE valve with external pilot

mod. **OVC-SE-CC-F2-34**



Corpo in alluminio
Aluminium body

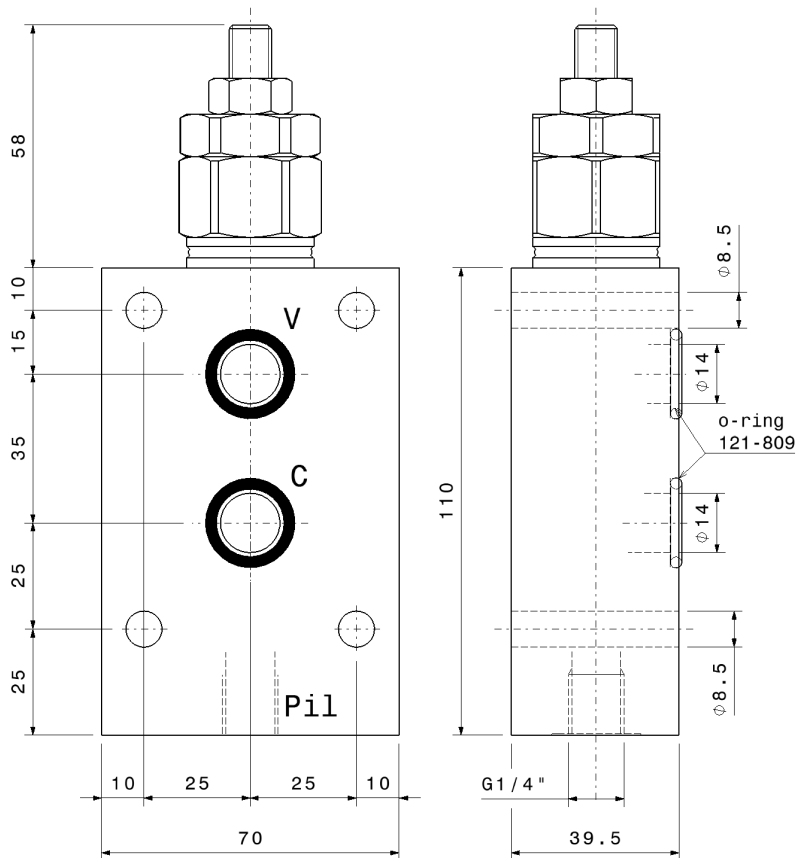


Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C <i>Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C</i>	
Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V, C	Pil	Portata max <i>Max. flow</i>
OVC-SE-CC-F2-34	Ø 14	1/4" GAS	100 l/min 26 gpm

Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar <i>1450 psi</i>	20+200 bar <i>290+2900 psi</i>	Bianco <i>White</i>
02	280 bar <i>4000 psi</i>	50+350 bar <i>725+5000 psi</i>	Nero <i>Black</i>



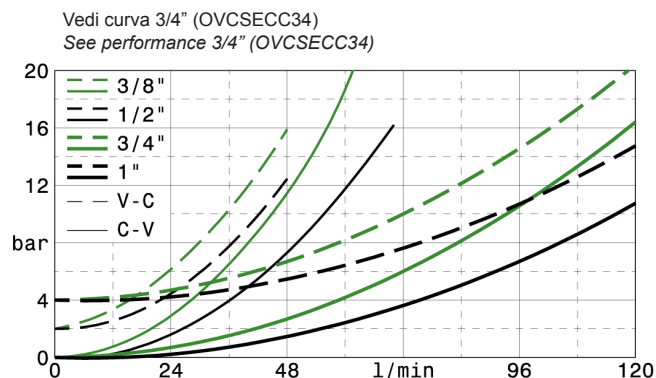
Regolazioni - Adjustments

- Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	C Piombatura <i>Sealing cap</i>	D Cappietto <i>Cap</i>
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Sigla di ordinazione / Ordering code

OVC-SE-CC-F2-34 **02** **-**

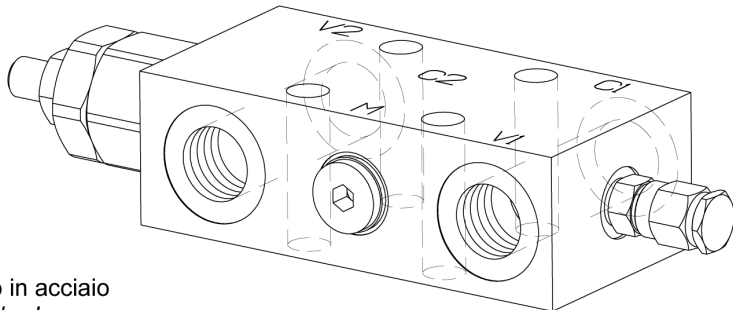
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02	Codice regolazione <i>Adjustment code</i> -, C, D
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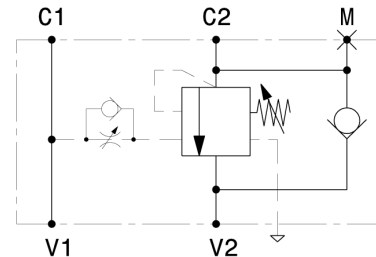
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER in linea semplice effetto flangiabile, compensata in pressione - acciaio
In line, flange mounted, single effect COUNTERBALANCE valve, pressure compensated - steel

mod. OVC-SE-L-F40-PST-CC



Corpo in acciaio
 Steel body



Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

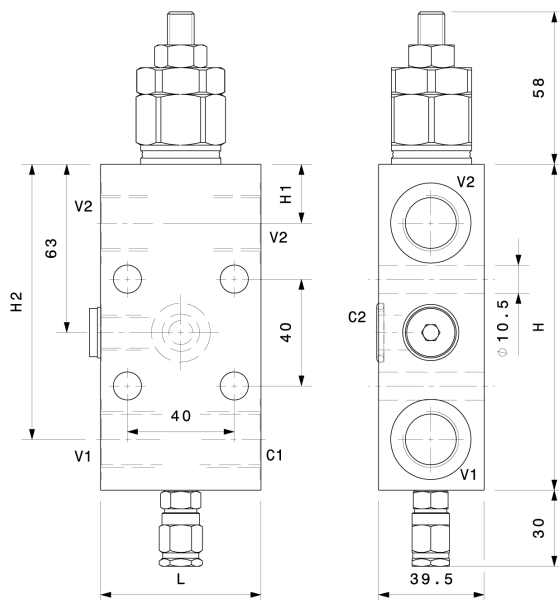
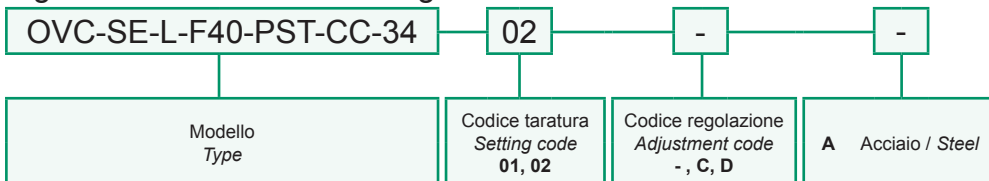
Modello <i>Type</i>	V1, V2	M	Portata max <i>Max. flow</i>
OVC-SE-L-F40-PST-CC-12	1/2" GAS	1/4" GAS	80 l/min 21 gpm
OVC-SE-L-F40-PST-CC-34	3/4" GAS	1/4" GAS	120 l/min 32 gpm

Taratura <i>Setting</i>	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

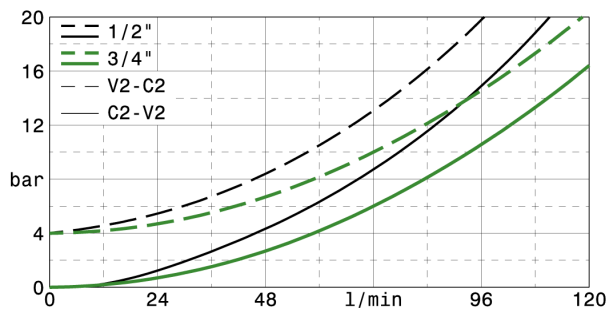
Regolazioni - Adjustments

 Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	C Piombatura <i>Sealing cap</i>	D Cappellotto <i>Cap</i>
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Sigla di ordinazione / Ordering code



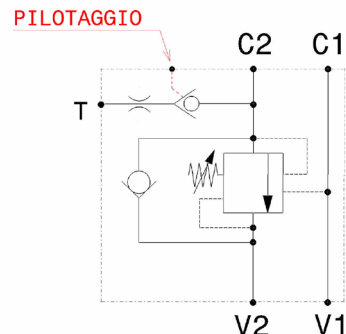
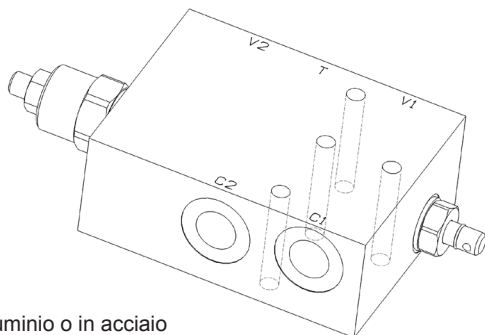
Modello <i>Type</i>	L	H	H1	H2
OVC-SE-L-F40-PST-12-CC	60	122	22	103
OVC-SE-L-F40-PST-34-CC	80	128	21	100



I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER semplice effetto in linea, con pilotaggio meccanico
In line, single effect COUNTERBALANCE valve, with external pilot piston

mod. **OVC-SE-L-38-F-PM**

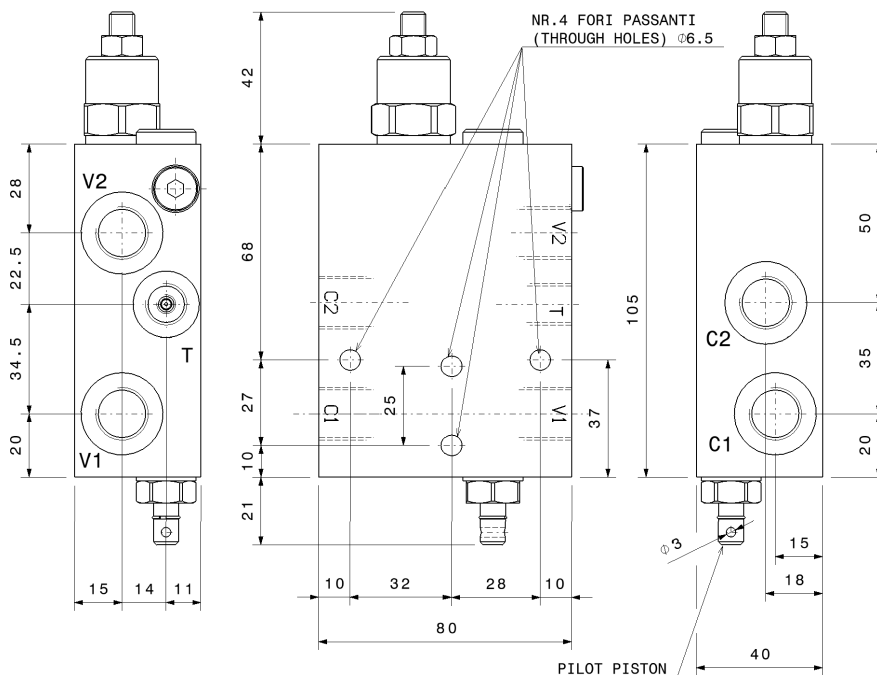


Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

Modello Type	V1, V2 C1, C2	T	Portata max Max. flow
OVC-SE-L-38-F-PM	3/8" GAS	1/4" GAS	40 l/min 10.5 gpm

Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4,25:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1

Taratura Setting			
La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black



Regolazioni - Adjustments		
-	C	D
Vite esterna esagono incassato Leakproof hex socket screw	Piombatura Sealing cap	Cappello Cap

Sigla di ordinazione / Ordering code

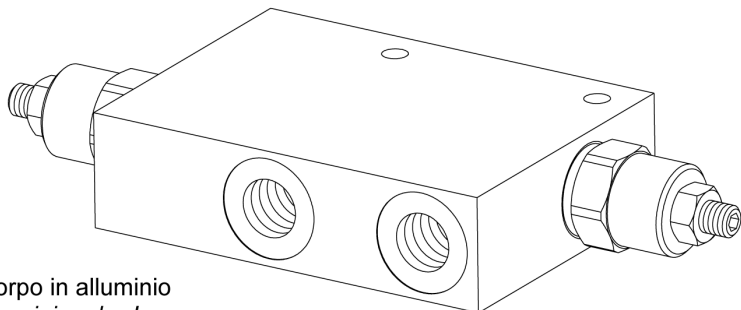
OVC-SE-L-38-F-PM	02	-	-
Modello Type	Codice taratura Setting code 01, 02	Codice regolazione Adjustment code -, C, D	- Alluminio/Aluminium A Acciaio / Steel

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

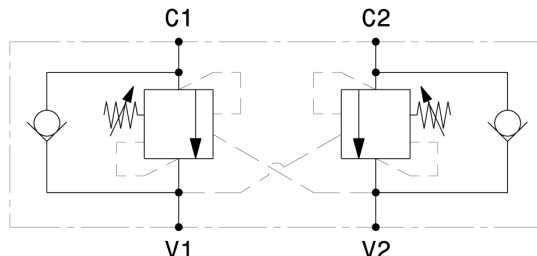
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER doppio effetto
 Double effect COUNTERBALANCE valve
 mod. OVC-DE



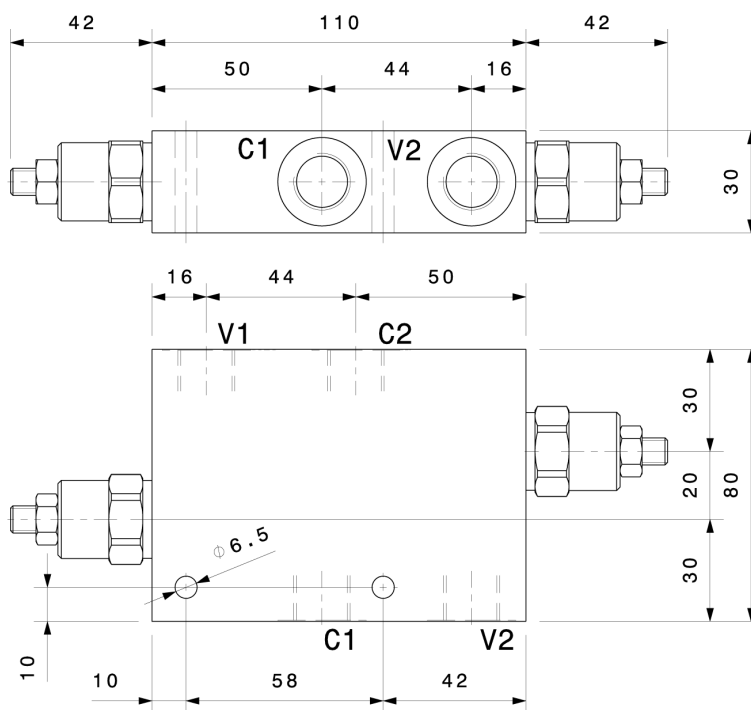
Corpo in alluminio
 Aluminium body



Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4,25:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1

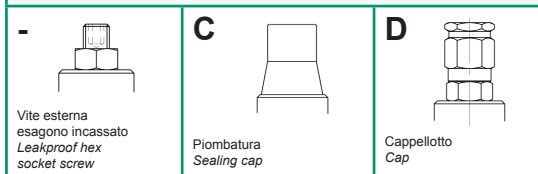
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Modello Type	V1, C1 V2, C2	Portata max Max. flow
OVC-DE-38	3/8" GAS	40 l/min 10.5 gpm
OVC-DE-12	1/2" GAS	60 l/min 16 gpm

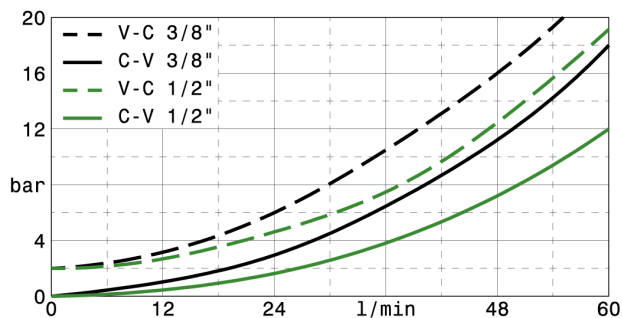
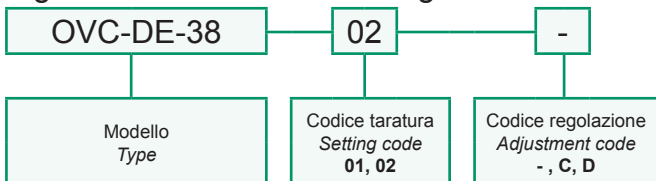


Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

Regolazioni - Adjustments



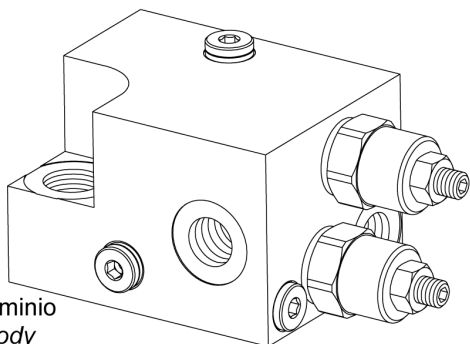
Sigla di ordinazione / Ordering code



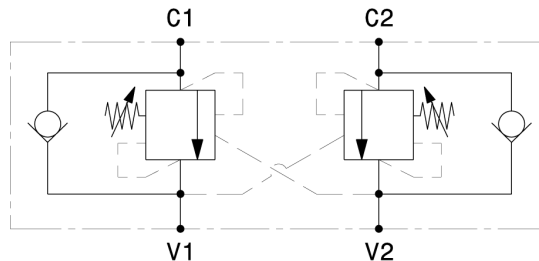
I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
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Valvola OVERCENTER doppio effetto flangiabile con vite cava
 Double effect COUNTERBALANCE valve – nipple screw flangeable

mod. OVC-DE-C



Corpo in alluminio
 Aluminium body



Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4,25:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Modello Type	V1 V2, C2	Portata max Max. flow
OVC-DE-C-38	3/8" GAS	40 l/min 10.5 gpm

Vite cava disponibile a richiesta Nipple screw available upon request	Codice di ordinazione Ordering Type KITV0002
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Taratura Setting
 La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico
 The valve must be set at least 1.3 times maximum load induced pressure

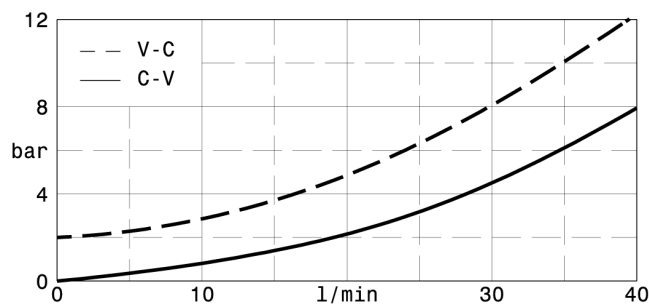
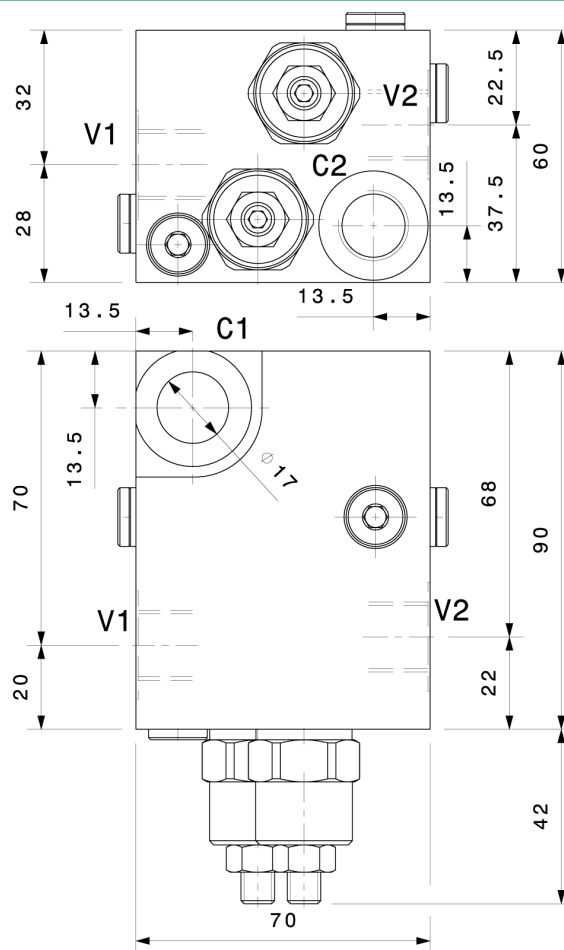
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

Regolazioni - Adjustments

 Vite esterna esagono incassato Leakproof hex socket screw	 Piombatura Sealing cap	 Cappello Cap
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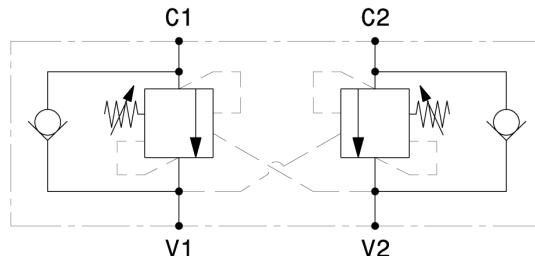
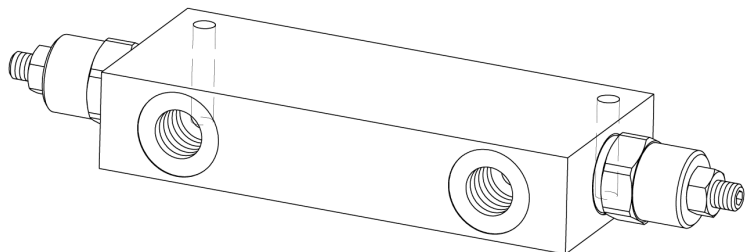
Sigla di ordinazione / Ordering code

OVC-DE-C-38	02	-
Modello Type	Codice taratura Setting code 01, 02	Codice regolazione Adjustment code -, C, D



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola OVERCENTER doppio effetto in linea
In line, double effect COUNTERBALANCE valve
 mod. OVC-DE-L



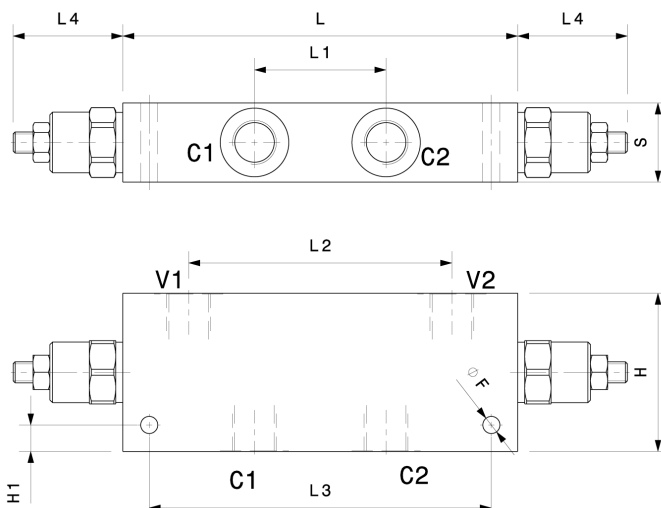
Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V1, V2 C1, C2	Portata max <i>Max. flow</i>
OVC-DE-L-38	3/8" GAS	40 l/min 10.5 gpm
OVC-DE-L-12	1/2" GAS	60 l/min 16 gpm
OVC-DE-L-34	3/4" GAS	100 l/min 26 gpm
OVC-DE-L-10	1" GAS	120 l/min 32 gpm

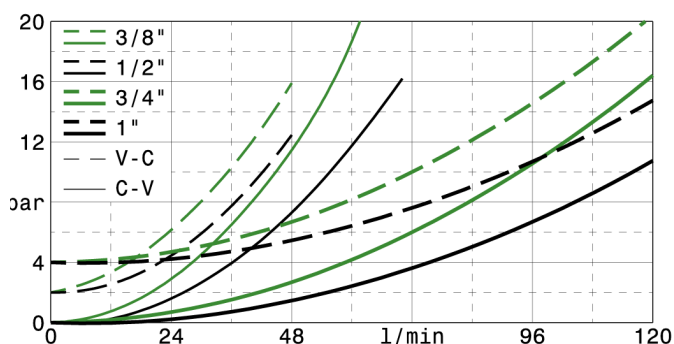
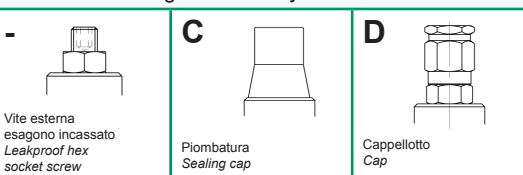


Modello <i>Type</i>	L	H	S	L1	L2	L3	L4	H1	F
OVC-DE-L-38	150	60	30	50	100	130	42	10	6.5
OVC-DE-L-12	150	60	30	50	100	130	42	10	6.5
OVC-DE-L-34	190	70	40	64	138	170	46	10	8.5
OVC-DE-L-10	190	70	50	64	132	170	46	10	8.5

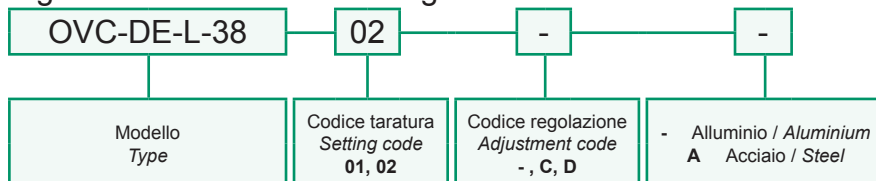
Taratura Setting
 La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico
The valve must be set at least 1.3 times maximum load induced pressure

Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar 1450 psi	20+200 bar 290+2900 psi	Bianco White
02	280 bar 4000 psi	50+350 bar 725+5000 psi	Nero Black

Regolazioni - Adjustments



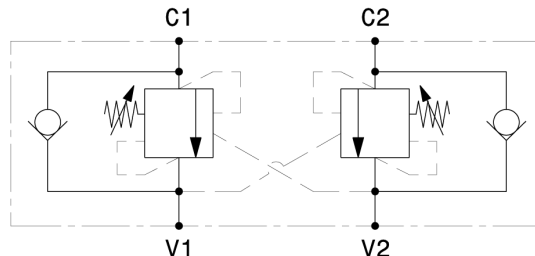
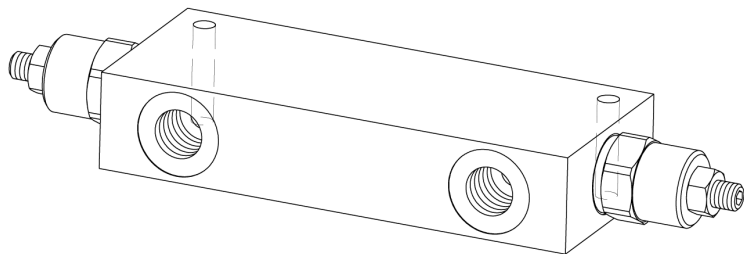
Sigla di ordinazione / Ordering code



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Valvola OVERCENTER doppio effetto in linea
In line, double effect COUNTERBALANCE valve

mod. OVC-DE-L (1/4" - 1/8")



Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

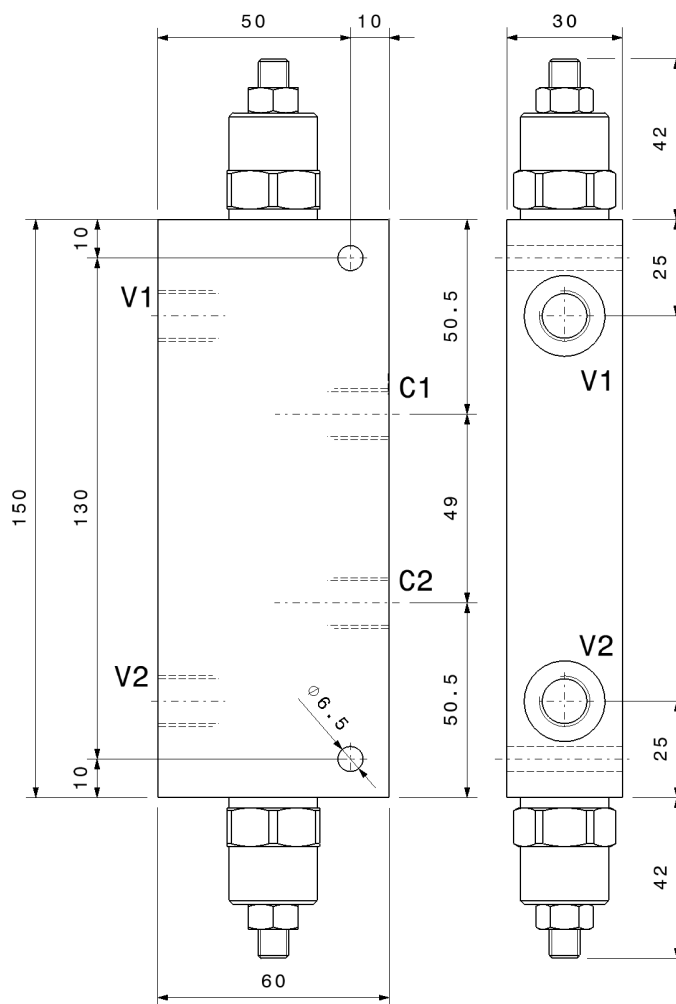
Modello <i>Type</i>	V1, V2 C1, C2	Portata max <i>Max. flow</i>
OVC-DE-L-18	1/8"GAS	15 l/min 4 gpm
OVC-DE-L-14	1/4"GAS	25 l/min 6.5 gpm

Taratura
Setting
 La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico
The valve must be set at least 1.3 times maximum load induced pressure

Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar <i>1450 psi</i>	20÷200 bar <i>290÷2900 psi</i>	Bianco <i>White</i>
02	280 bar <i>4000 psi</i>	50÷350 bar <i>725÷5000 psi</i>	Nero <i>Black</i>

Regolazioni - Adjustments

-	C	D
 Vite e esagono incassato <i>Leakproof hex socket screw</i>	 Piomatura <i>Sealing cap</i>	 Cappel <i>Cap</i>



Sigla di ordinazione / Ordering code

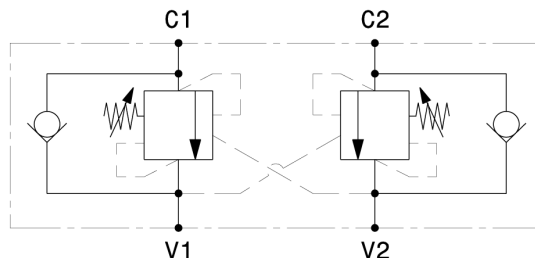
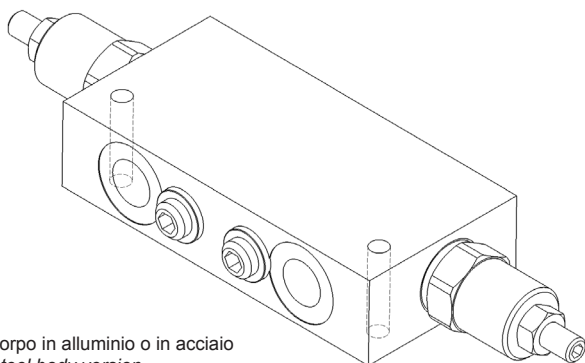


Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02	Codice regolazione <i>Adjustment code</i> -, C, D	- Alluminio / Aluminium A Acciaio / Steel
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Valvola OVERCENTER doppio effetto in linea
In line, double effect COUNTERBALANCE valve

mod. OVC-DE-L-38-AC



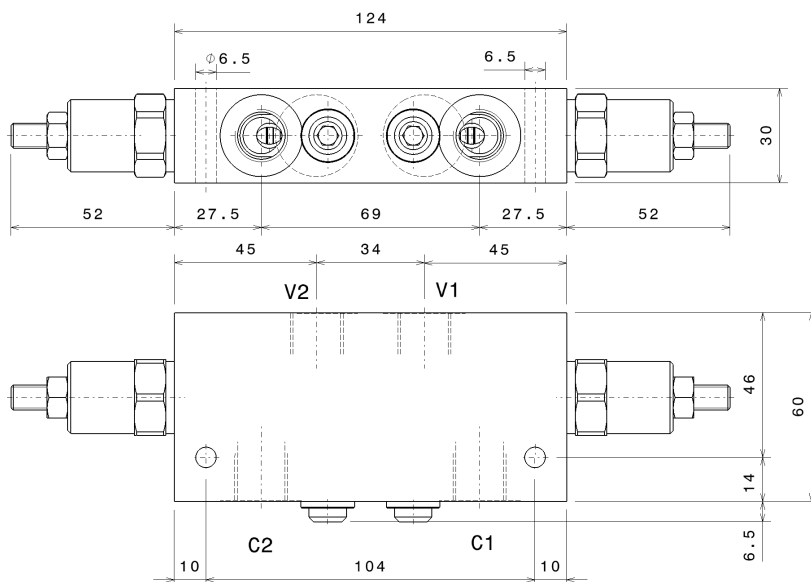
Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	2.9:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	6.6:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V1, V2 C1, C2	Portata max <i>Max. flow</i>
OVC-DE-L-38-AC	3/8" GAS	40 l/min 10.5 gpm



Taratura <i>Setting</i>	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar <i>1450 psi</i>	20÷200 bar <i>290÷2900 psi</i>	Bianco <i>White</i>
02	280 bar <i>4000 psi</i>	50÷350 bar <i>725÷5000 psi</i>	Nero <i>Black</i>

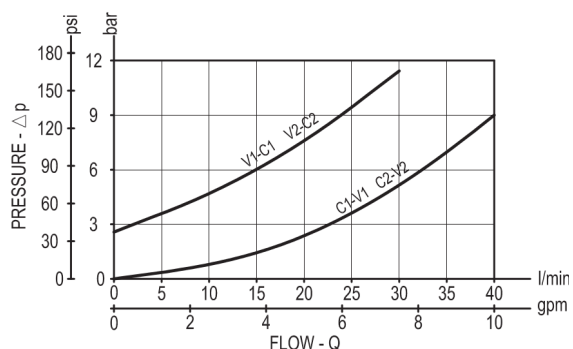
Regolazioni - Adjustments

 Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	 Piombatura <i>Sealing cap</i>	 Cappello <i>Cap</i>
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Sigla di ordinazione / Ordering code

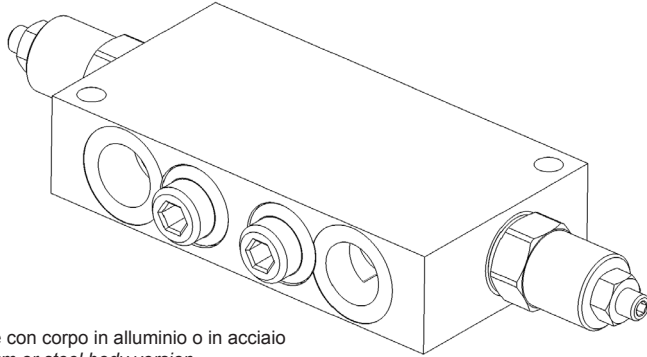
OVC-DE-L-38-AC — 02 — —

Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02	Codice regolazione <i>Adjustment code</i> -, C, D	- Alluminio / Aluminium A Acciaio / Steel
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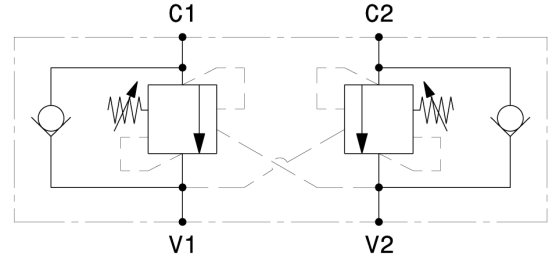


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Valvola OVERCENTER doppio effetto in linea
In line, double effect COUNTERBALANCE valve
 mod. OVC-DE-L-AC



Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

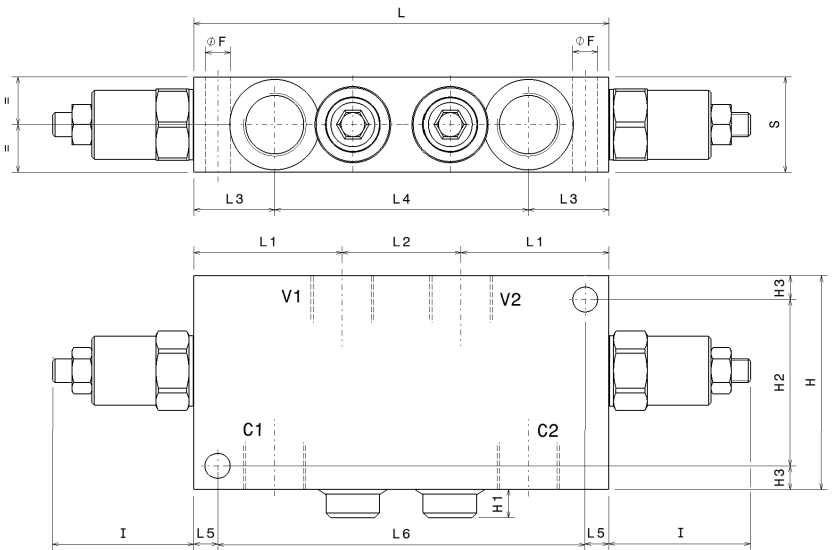


Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	3.2:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	8.2:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V1, V2 C1, C2	Portata max <i>Max. flow</i>
OVC-DE-L-12-AC	1/2" GAS	110 l/min 16 gpm
OVC-DE-L-34-AC	3/4" GAS	140 l/min 26 gpm

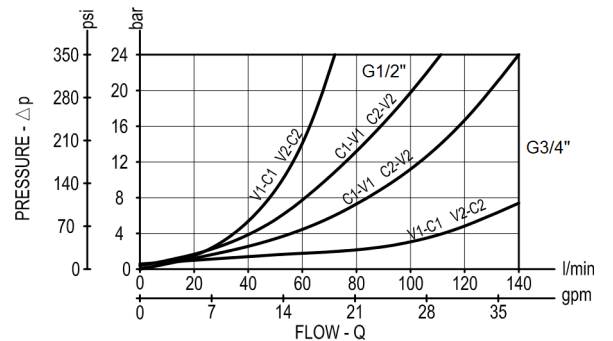


Modello <i>Type</i>	L	H	S	L1	L2	L3	L4	L5	L6	F	H1	H2	H3	I
OVC-DE-L-12-AC	145	70	35	54.5	36	32.5	80	10	125	8.5	11	54	8	58
OVC-DE-L-34-AC	175	90	40	62.5	50	34	107	10	155	10.5	11	70	10	58

Taratura <i>Setting</i>	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar <i>1450 psi</i>	20÷200 bar <i>290÷2900 psi</i>	Bianco <i>White</i>
02	280 bar <i>4000 psi</i>	50÷350 bar <i>725÷5000 psi</i>	Nero <i>Black</i>

Regolazioni - *Adjustments*

Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	Piombatura <i>Sealing cap</i>	Cappello <i>Cap</i>
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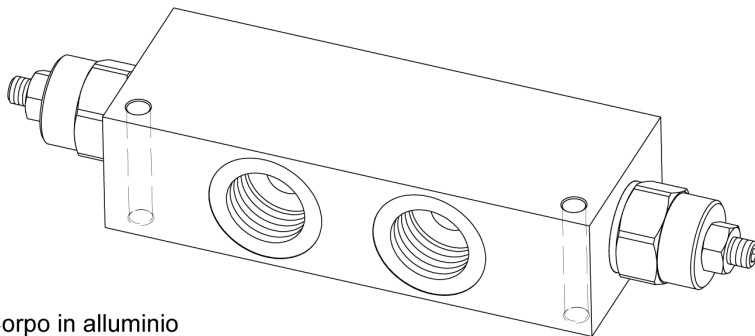
Sigla di ordinazione / *Ordering code*

OVC-DE-L-34-AC - 02 - - -

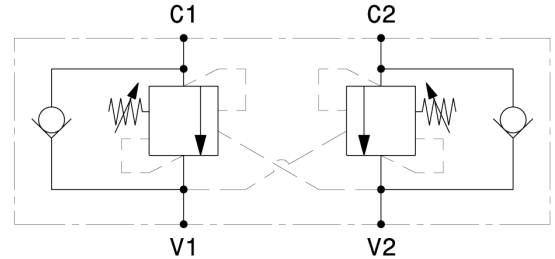
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02	Codice regolazione <i>Adjustment code</i> -, C, D	- Alluminio / <i>Aluminium</i> A Acciaio / <i>Steel</i>
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Valvola OVERCENTER doppio effetto in linea
In line, double effect COUNTERBALANCE valve
 mod. OVC-DE-L-200



Corpo in alluminio
 Aluminium body



Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V1, C1 V2, C2	S	L1	Portata max <i>Max. flow</i>
OVC-DE-L-200-34	3/4" GAS	40	26	150 l/min 40 gpm
OVC-DE-L-200-10	1" GAS	50	29	200 l/min 53 gpm

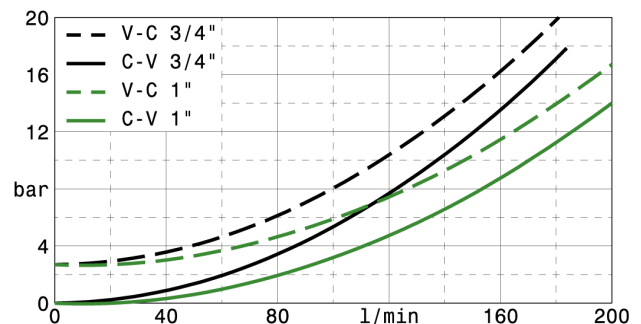
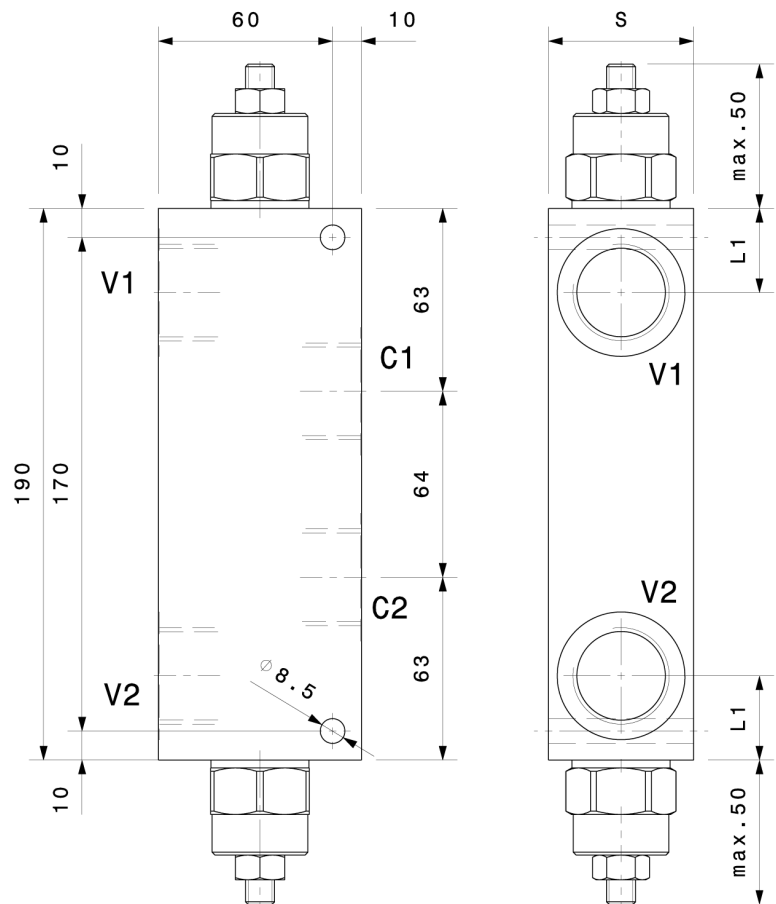
Taratura <i>Setting</i>	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

Regolazioni - *Adjustments*

-	C	D
Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	Piomatura <i>Sealing cap</i>	Cappello <i>Cap</i>

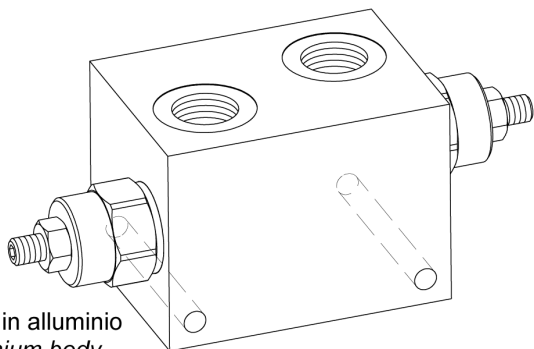
Sigla di ordinazione / *Ordering code*

OVC-DE-L-200	02	-
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02	Codice regolazione <i>Adjustment code</i> -, C, D

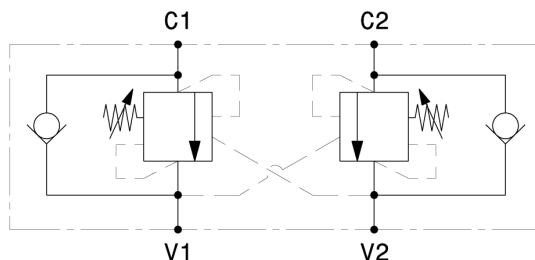


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola OVERCENTER doppio effetto in linea
In line, double effect COUNTERBALANCE valve
 mod. OVC-DE-L-2001



Corpo in alluminio
 Aluminium body



Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

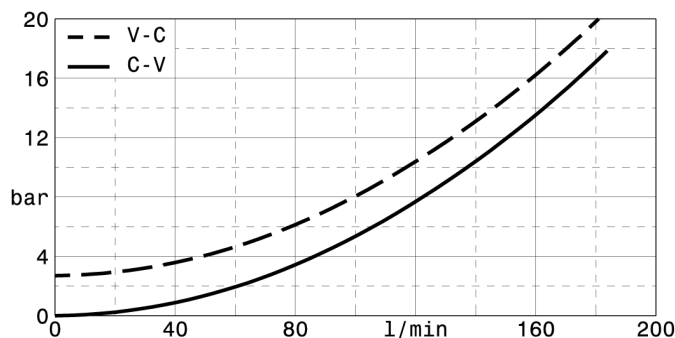
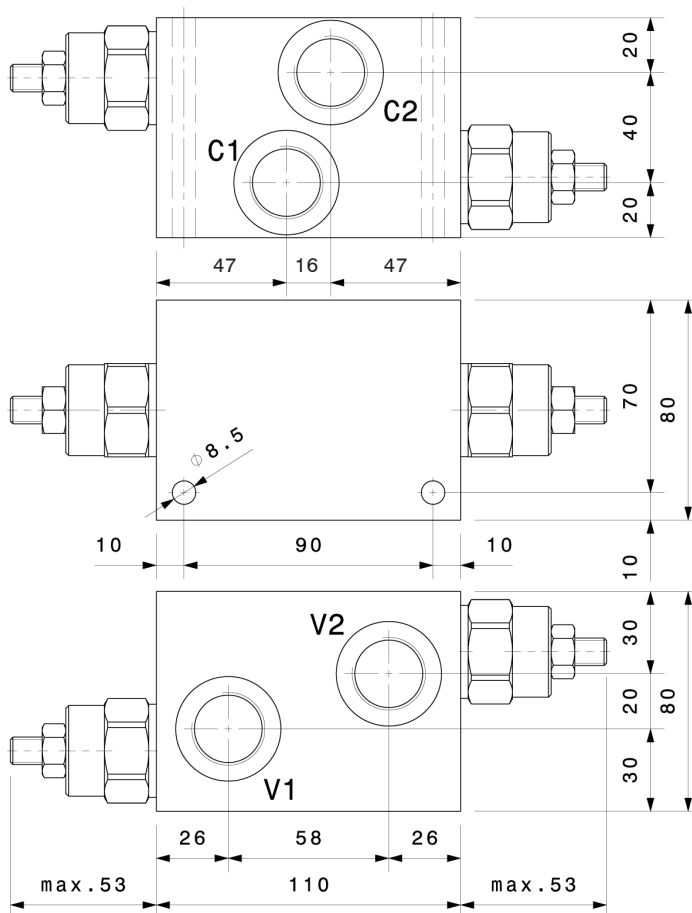
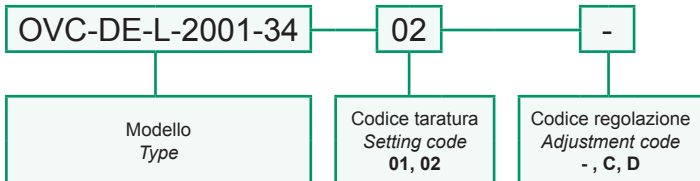
Modello <i>Type</i>	V1, C1 V2, C2	Portata max <i>Max. flow</i>
OVC-DE-L-2001-34	3/4" GAS	150 l/min 40 gpm

Taratura <i>Setting</i>	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar <i>1450 psi</i>	20÷200 bar <i>290÷2900 psi</i>	Bianco <i>White</i>
02	280 bar <i>4000 psi</i>	50÷350 bar <i>725÷5000 psi</i>	Nero <i>Black</i>

Regolazioni - *Adjustments*

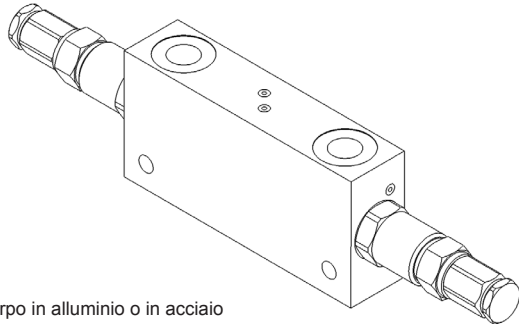
- 	C 	D
Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	Piombatura <i>Sealing cap</i>	Cappello <i>Cap</i>

Sigla di ordinazione / *Ordering code*

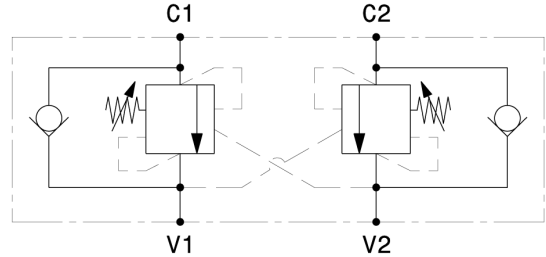


I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER doppio effetto in linea
In line, double effect COUNTERBALANCE valve
 mod. OVC-DE-L-25-14



Versione con corpo in alluminio o in acciaio
Aluminium or steel body version



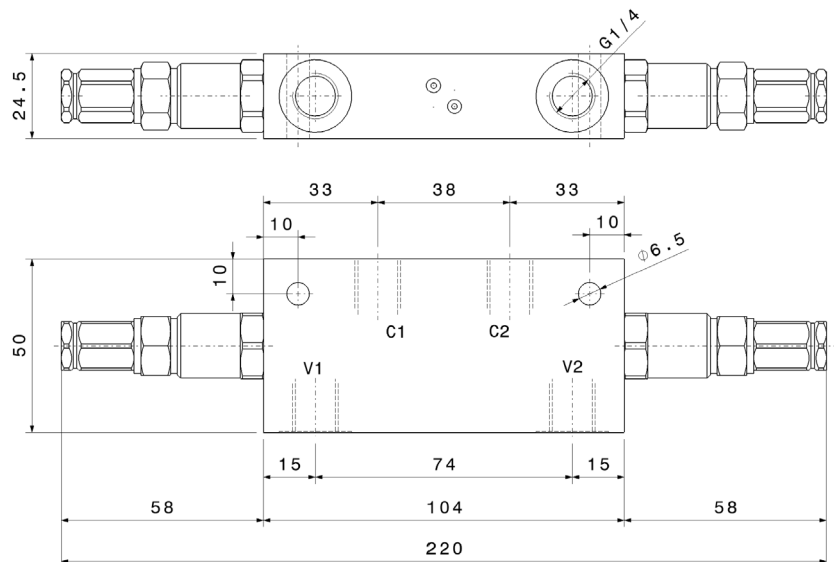
Portata massima <i>Max flow</i>	25 l/min 6.6 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

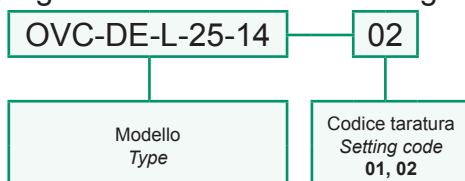
Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

Modello Type	V1,V2,C1,C2
OVC-DE-L-25-14	1/4" GAS



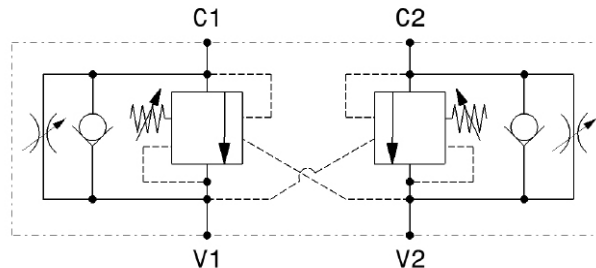
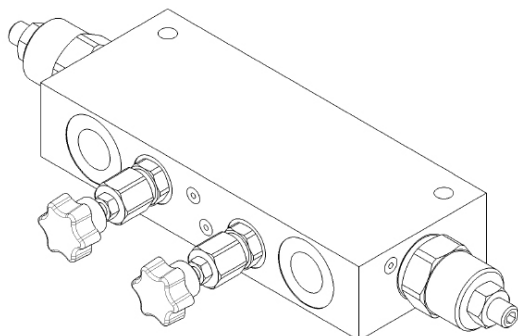
Sigla di ordinazione / Ordering code



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER doppio effetto in linea con strozzatore ST5C
In line, double effect COUNTERBALANCE valve with needle valve ST5C

mod. OVC-DE-L-RU-38



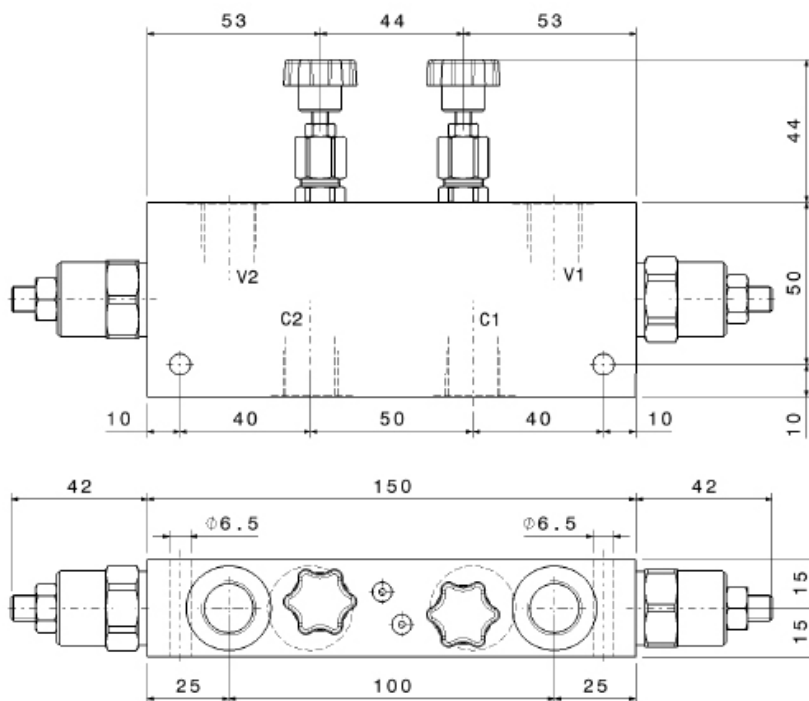
Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V1, V2 C1, C2	Portata max <i>Max. flow</i>
OVC-DE-L-RU-38	3/8" GAS	40 l/min 10.5 gpm

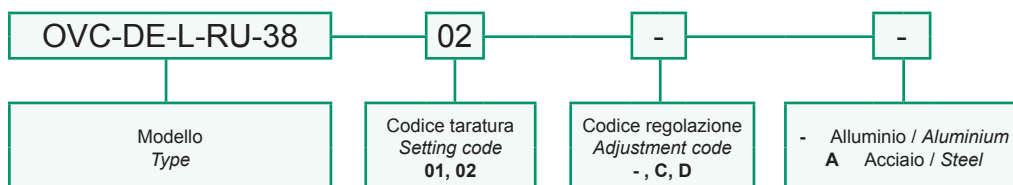


Taratura <i>Setting</i>	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar <i>1450 psi</i>	20÷200 bar <i>290÷2900 psi</i>	Bianco <i>White</i>
02	280 bar <i>4000 psi</i>	50÷350 bar <i>725÷5000 psi</i>	Nero <i>Black</i>

Regolazioni - *Adjustments*

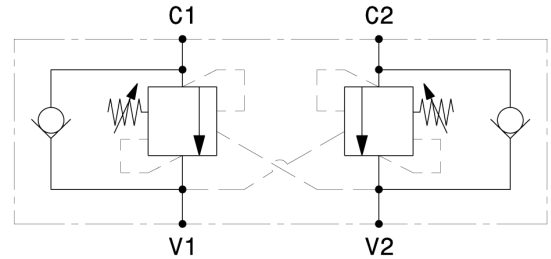
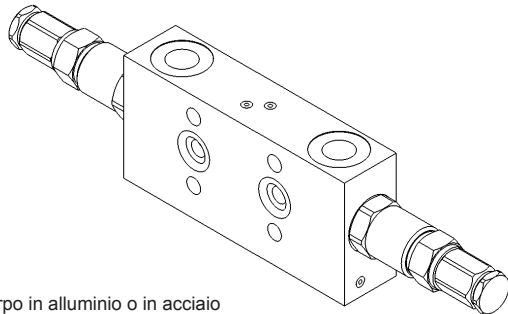
-	C	D
Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	Piombatura <i>Sealing cap</i>	Cappello <i>Cap</i>

Sigla di ordinazione / *Ordering code*



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The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER doppio effetto flangiabile
 Flange mounted, double effect COUNTERBALANCE valve
 mod. OVC-DE-F-28-14

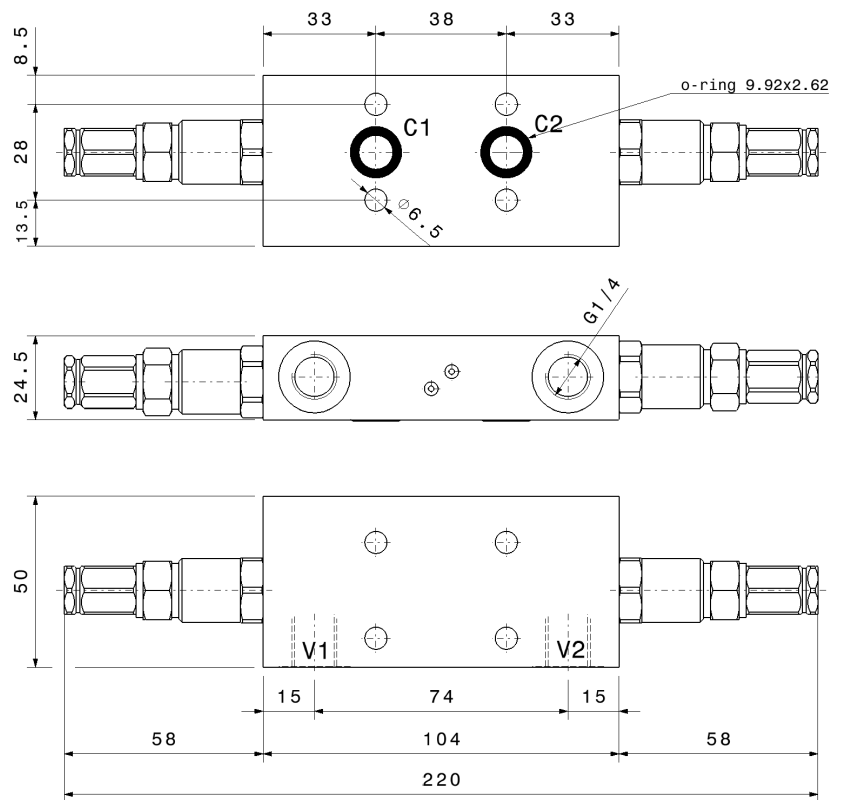


Versione con corpo in alluminio o in acciaio
 Aluminium or steel body version

Portata massima Max flow	25 l/min 6.6 gpm
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4,25:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

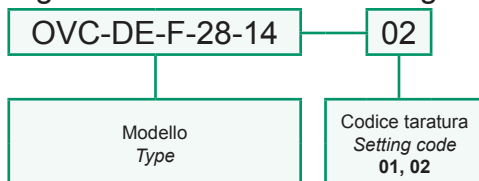
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20+200 bar 290+2900 psi	Bianco White
02	280 bar 4000 psi	50+350 bar 725+5000 psi	Nero Black

Modello Type	V1,V2
OVC-DE-F-28-14	1/4"GAS

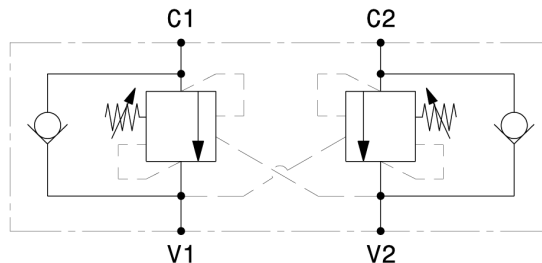
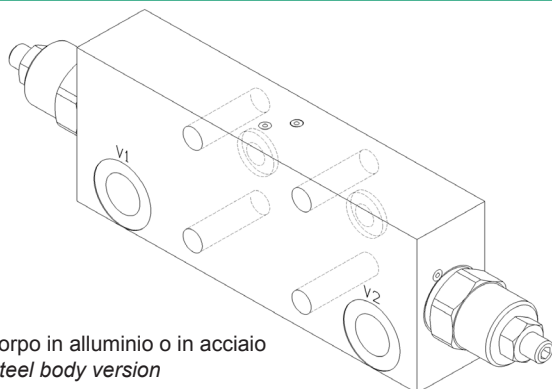
Sigla di ordinazione / Ordering code



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 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola OVERCENTER doppio effetto flangiabile
Flangeable, double effect COUNTERBALANCE valve

mod. OVC-DE-F40-38

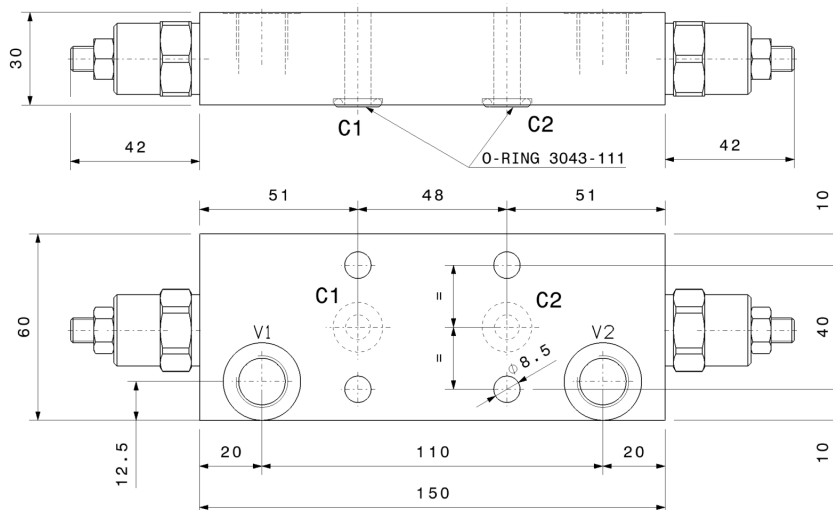


Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4,25:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

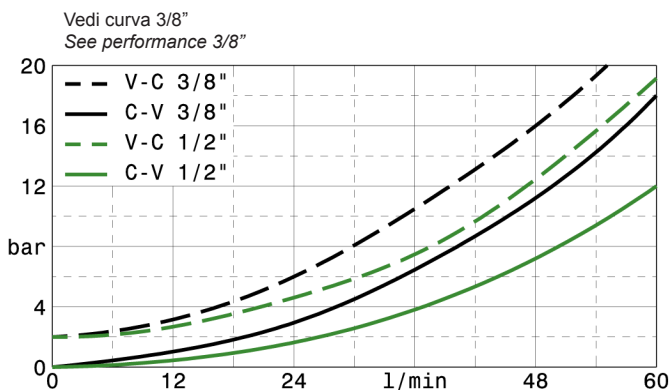
Modello Type	V1, V2	Portata max Max. flow
OVC-DE-F40-38	3/8" GAS	40 l/min 10.5 gpm



Taratura Setting	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure		
	Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

Regolazioni - Adjustments

Vite esterna esagono incassato Leakproof hex socket screw	Piombatura Sealing cap	Cappellotto Cap
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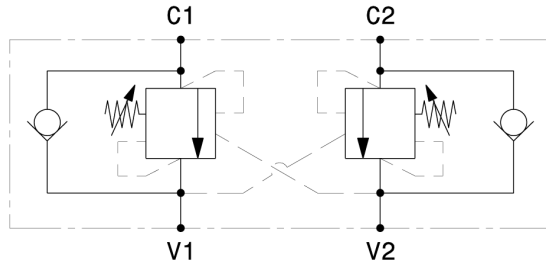
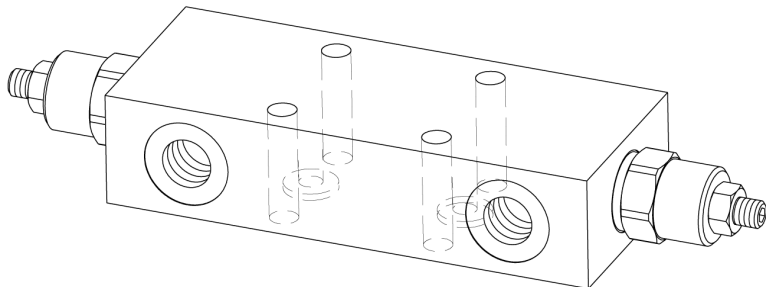
Sigla di ordinazione / Ordering code

OVC-DE-F40-38	02	-	-
Modello Type	Codice taratura Setting code 01, 02	Codice regolazione Adjustment code -, C, D	- Alluminio / Aluminium A Acciaio / Steel

I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER doppio effetto in linea flangiabile
Flangeable, in line, double effect COUNTERBALANCE valve

mod. OVC-DE-L-F40



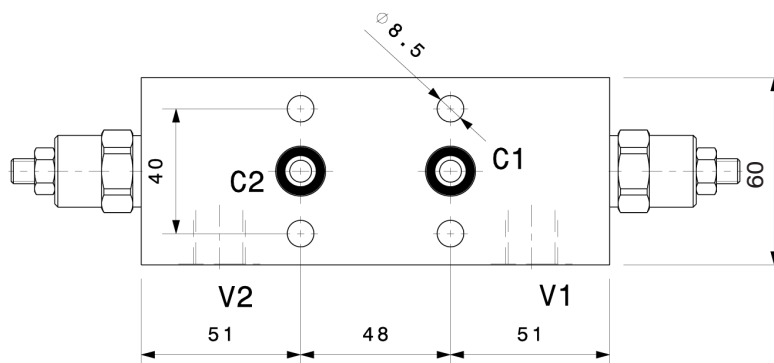
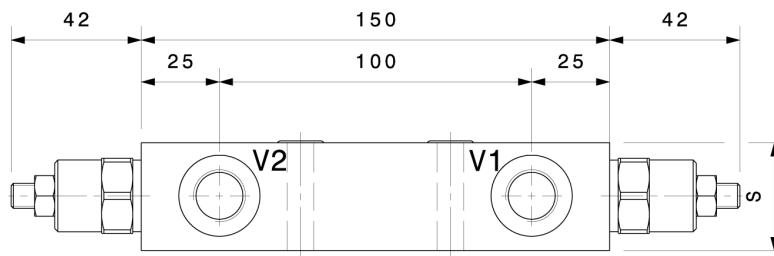
Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

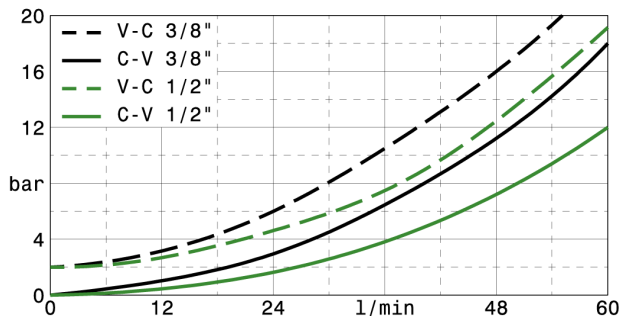
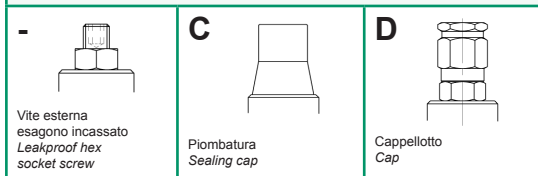
Modello <i>Type</i>	V1, V2	S	Portata max <i>Max. flow</i>
OVC-DE-L-F40-38	3/8" GAS	30	40 l/min 10.5 gpm
OVC-DE-L-F40-12	1/2" GAS	35	60 l/min 16 gpm



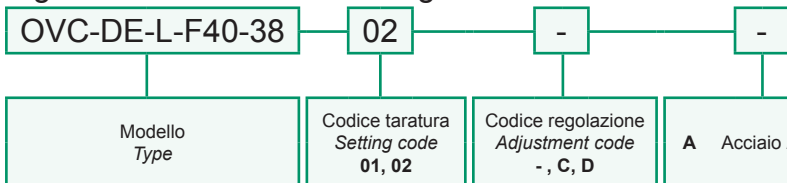
Taratura Setting
 La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico
The valve must be set at least 1.3 times maximum load induced pressure

Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar <i>1450 psi</i>	20÷200 bar <i>290÷2900 psi</i>	Bianco <i>White</i>
02	280 bar <i>4000 psi</i>	50÷350 bar <i>725÷5000 psi</i>	Nero <i>Black</i>

Regolazioni - *Adjustments*



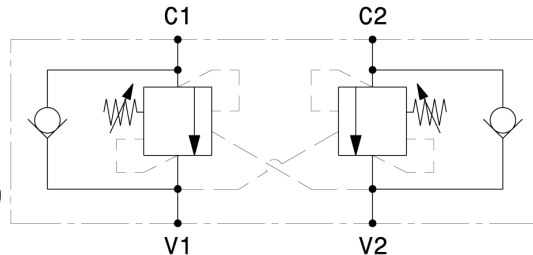
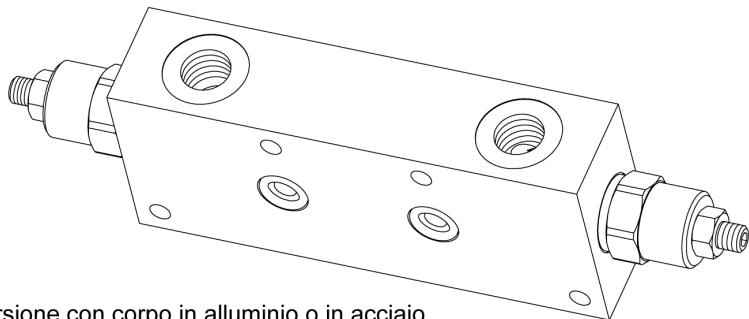
Sigla di ordinazione / *Ordering code*



I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER doppio effetto in linea flangiabile
Flangeable, in line, double effect COUNTERBALANCE valve

mod. OVC-DE-L-F48



Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V1, V2	Portata max <i>Max. flow</i>
OVC-DE-L-F48-38	3/8" GAS	40 l/min 10.5 gpm

Taratura <i>Setting</i>	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

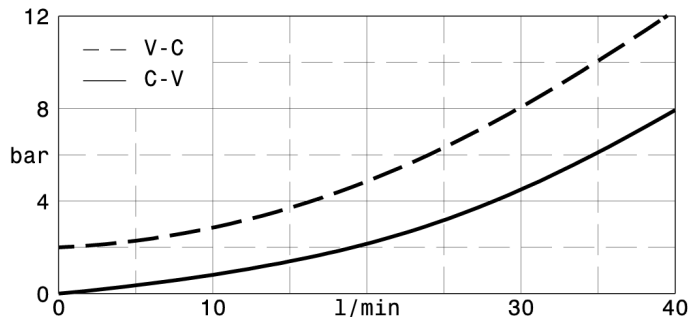
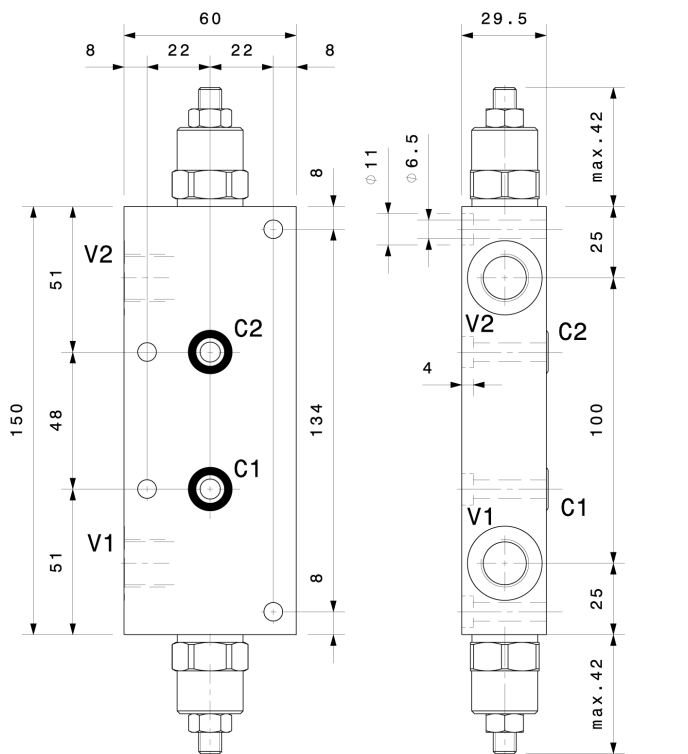
Regolazioni - *Adjustments*

-	C	D
Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	Piombatura <i>Sealing cap</i>	Cappello <i>Cap</i>

Sigla di ordinazione / *Ordering code*

OVC-DE-L-F48-38 — 02 — — —

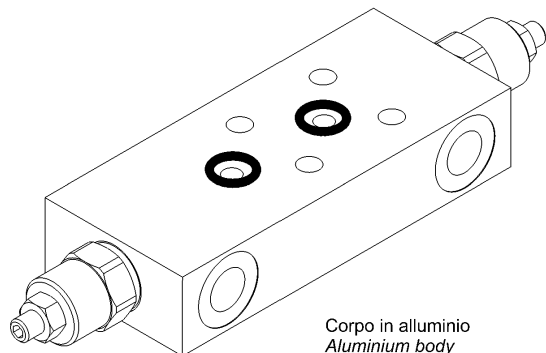
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02	Codice regolazione <i>Adjustment code</i> -, C, D	A Acciaio / <i>Steel</i>
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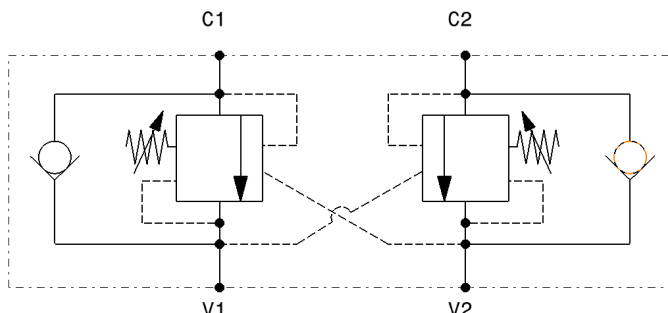
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER doppio effetto in linea flangiabile
Flangeable, in line, double effect COUNTERBALANCE valve

mod. OVC-DE-L-F30



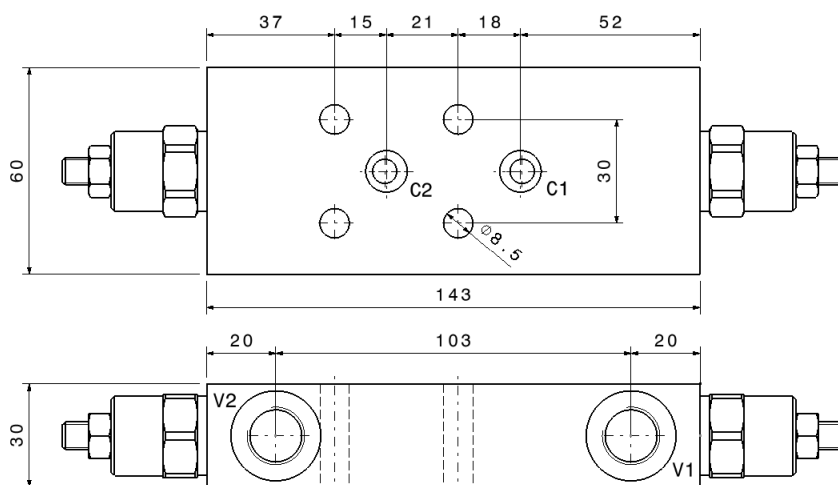
Corpo in alluminio
Aluminium body



Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

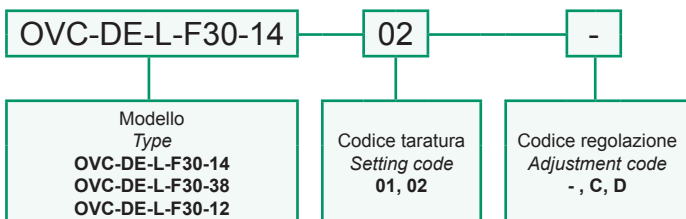
Modello <i>Type</i>	V1, V2	Portata max <i>Max. flow</i>
OVC-DE-L-F30-14	1/4" GAS	20 l/min 5 gpm
OVC-DE-L-F30-38	3/8" GAS	40 l/min 10.5 gpm
OVC-DE-L-F30-12	1/2" GAS	60 l/min 16 gpm

Taratura <i>Setting</i>	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar 1450 psi	20+200 bar 290+2900 psi	Bianco White
02	280 bar 4000 psi	50+350 bar 725+5000 psi	Nero Black



Regolazioni - <i>Adjustments</i>		
- Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	C Piombaturo <i>Sealing cap</i>	D Cappellotto <i>Cap</i>

Sigla di ordinazione / *Ordering code*



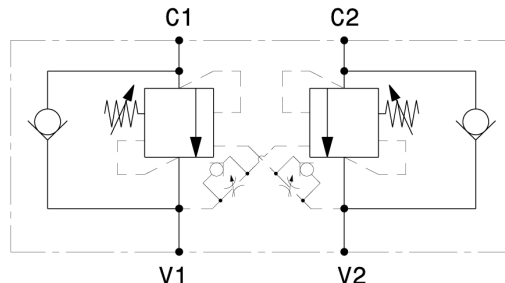
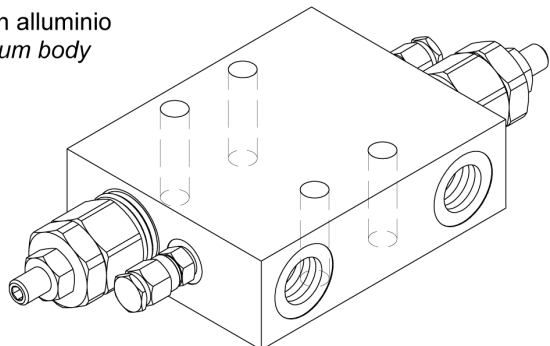
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C <i>Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C</i>	
Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

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The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER doppio effetto in linea flangiabile
Flangeable, in line, double effect COUNTERBALANCE valve

mod. OVC-DE-F2-PST

Corpo in alluminio
Aluminium body



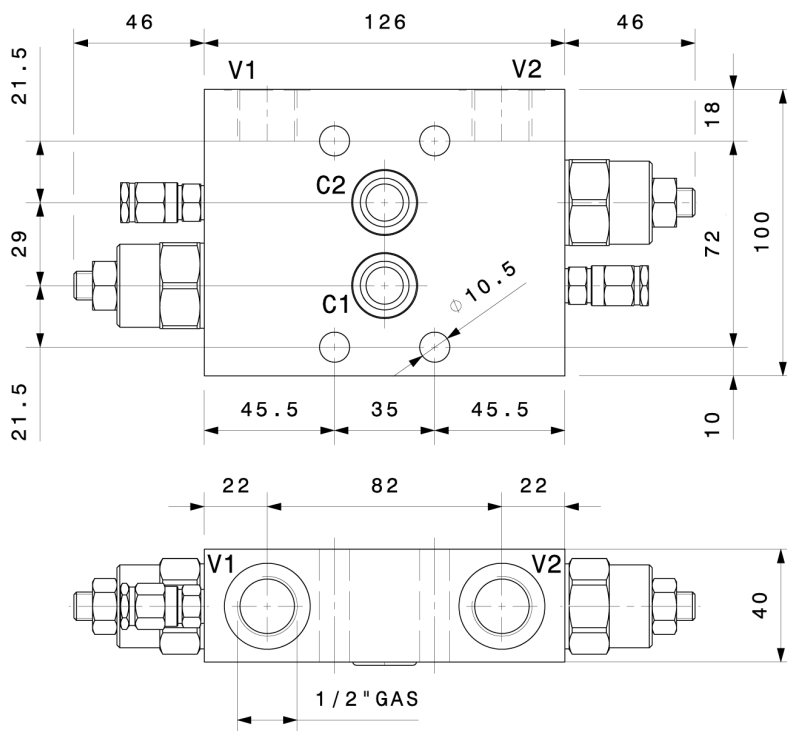
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performaces and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V1, V2	Portata max <i>Max. flow</i>
OVC-DE-F2-PST-12	1/2" GAS	60 l/min 16 gpm

Taratura <i>Setting</i>	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

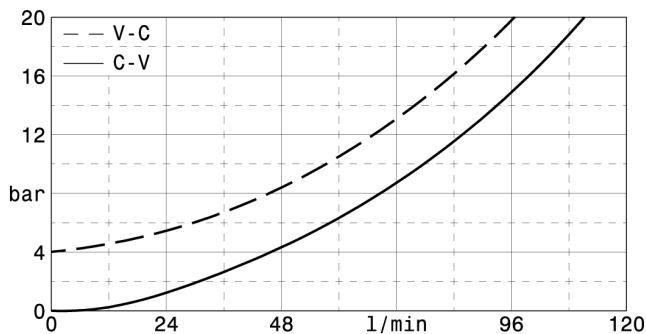


Regolazioni - *Adjustments*

-	C	D
Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	Piomatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>

Sigla di ordinazione / *Ordering code*

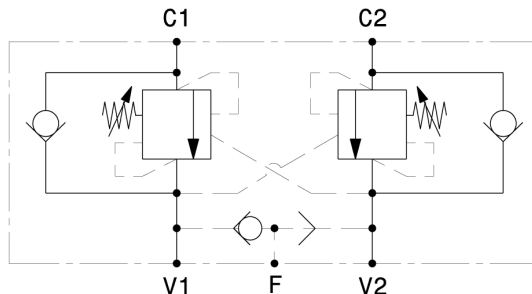
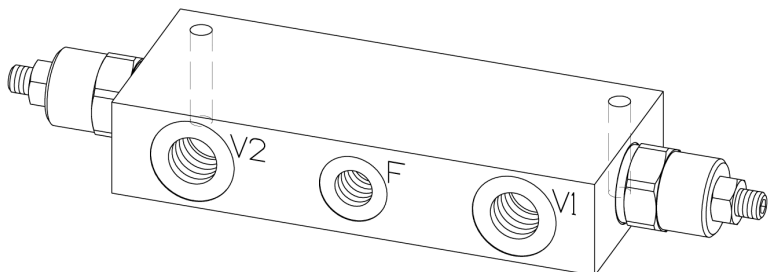
OVC-DE-F2-PST-12	02	-
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02	Codice regolazione <i>Adjustment code</i> -, C, D



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER doppio effetto in linea con sblocco freno
In line, double effect COUNTERBALANCE valve with brake unclamping

mod. OVC-DE-L-SF (3/8"-1/2" BSP)



Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V1, C1 V2, C2	F	Portata max <i>Max. flow</i>
OVC-DE-L-SF-38	3/8" GAS	1/4" GAS	40 l/min 10.5 gpm
OVC-DE-L-SF-12	1/2" GAS	1/4" GAS	60 l/min 16 gpm

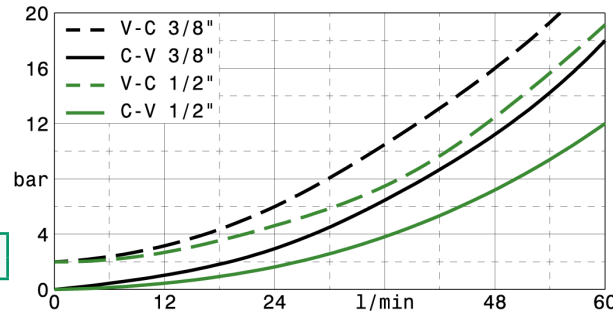
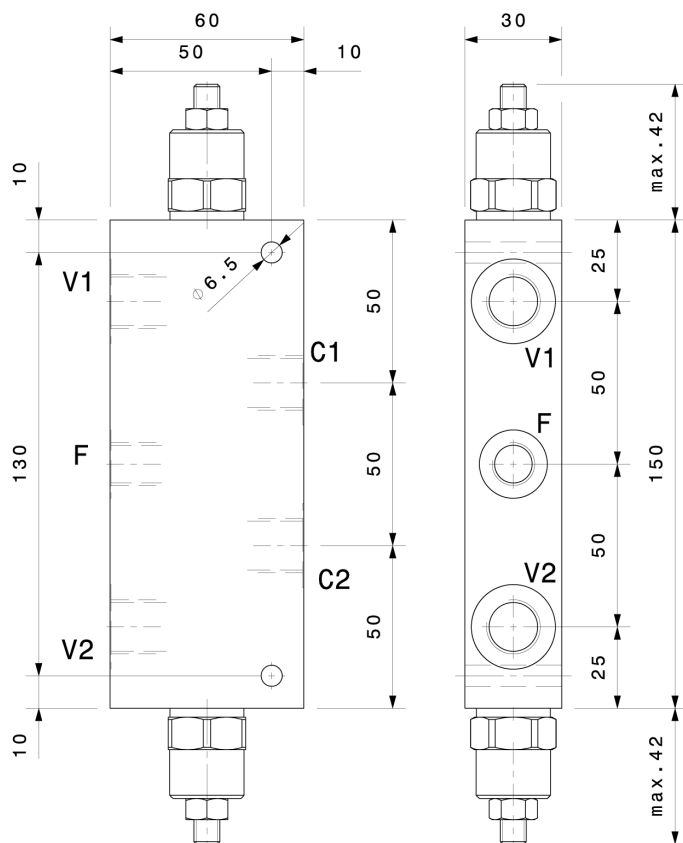
Taratura <i>Setting</i>	La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

Regolazioni - Adjustments

 Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	C Piombatura <i>Sealing cap</i>	D Cappellotto <i>Cap</i>
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Sigla di ordinazione / Ordering code

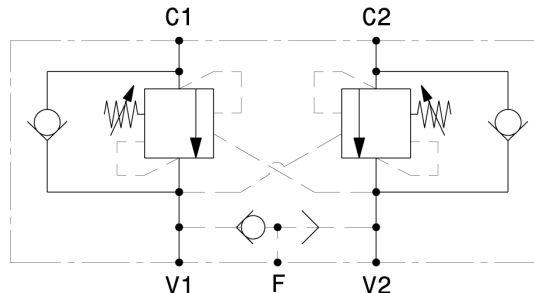
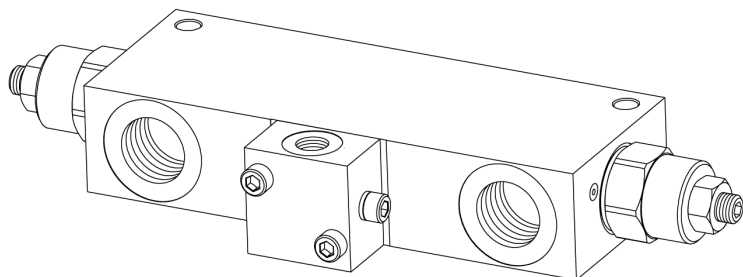
OVC-DE-L-SF-38	02	-	-
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02	Codice regolazione <i>Adjustment code</i> -, C, D	- Alluminio / Aluminium A Acciaio / Steel



I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola OVERCENTER doppio effetto in linea con sblocco freno
In line, double effect COUNTERBALANCE valve with brake unclamping

mod. OVC-DE-L-SF (3/4"-1"BSP)



Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V1, C1 V2, C2	F	Portata max <i>Max. flow</i>
OVC-DE-L-SF-34	3/4"GAS	1/4"GAS	100 l/min 26 gpm
OVC-DE-L-SF-10	1"GAS	1/4"GAS	120 l/min 32 gpm

Taratura
Setting
 La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico
The valve must be set at least 1.3 times maximum load induced pressure

Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

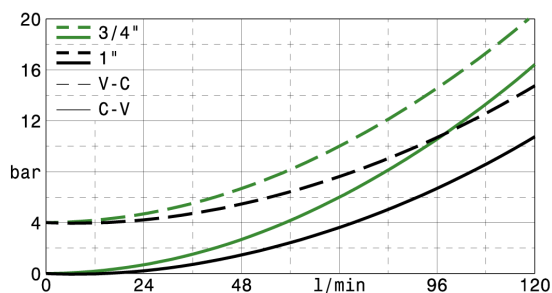
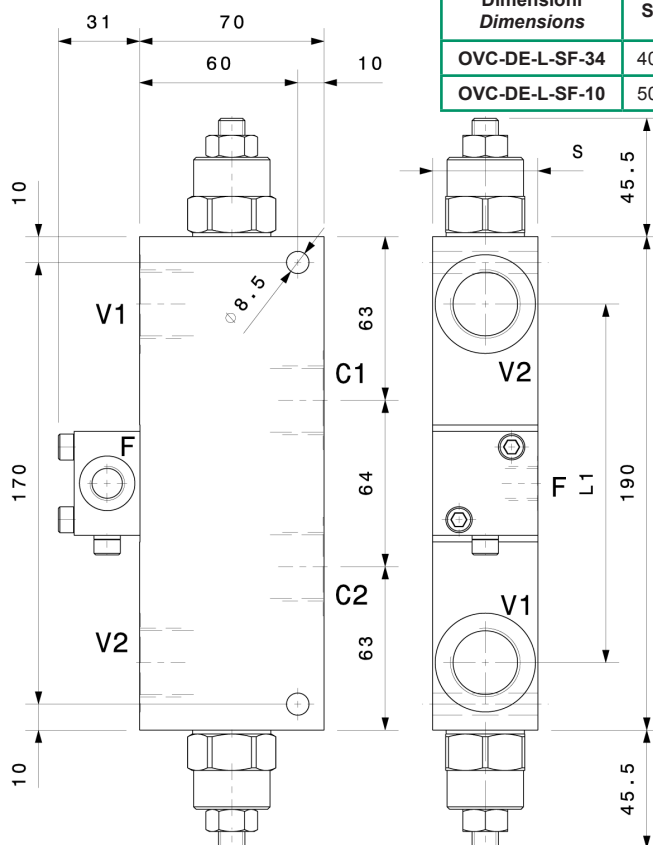
Regolazioni
Adjustments

-	C	D
Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	Piombatura <i>Sealing cap</i>	Cappello <i>Cap</i>

Sigla di ordinazione / Ordering code

OVC-DE-L-SF-34	02	-	-
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02	Codice regolazione <i>Adjustment code</i> -, C, D	- Alluminio / Aluminium A Acciaio / Steel

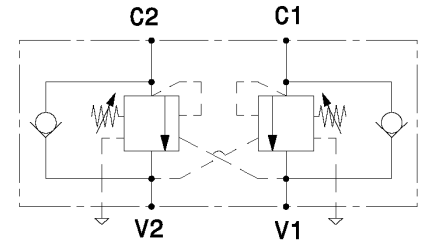
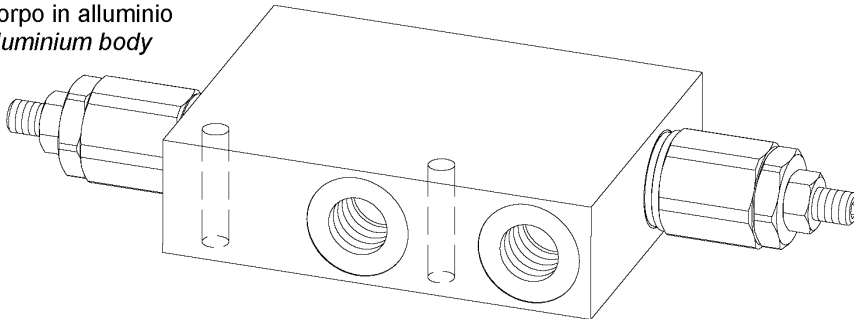
Dimensioni <i>Dimensions</i>	S	L
OVC-DE-L-SF-34	40	138
OVC-DE-L-SF-10	50	132



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Valvola OVERCENTER compensata in pressione doppio effetto
 Double effect pressure compensated COUNTERBALANCE valve
 mod. OVC-DE-CC

Corpo in alluminio
 Aluminium body



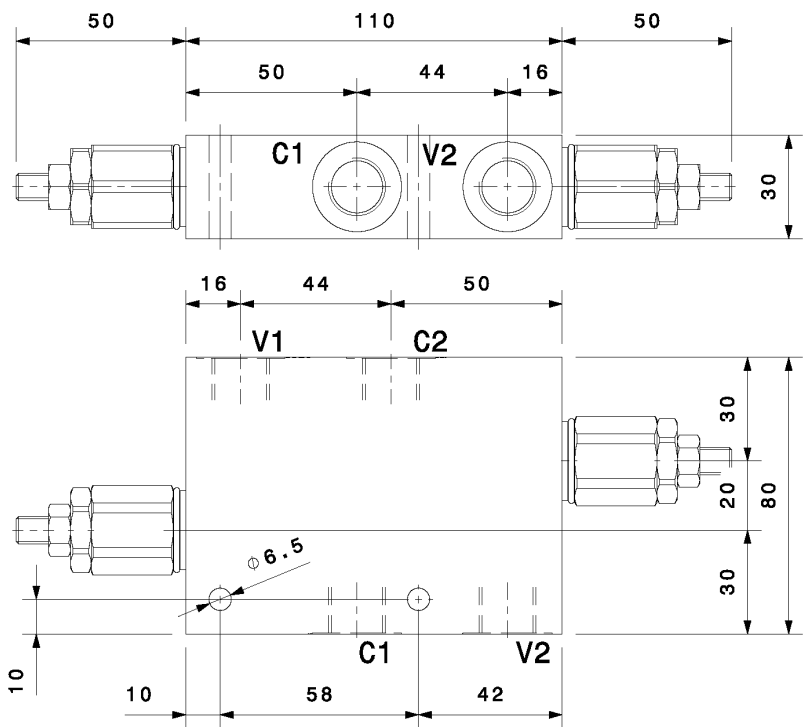
Pressione massima Max pressure	350 bar 5000 psi
Rapporto di pilotaggio standard Standard pilot ratio	4,25:1
Rapporto di pilotaggio a richiesta Pilot ratio upon request	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

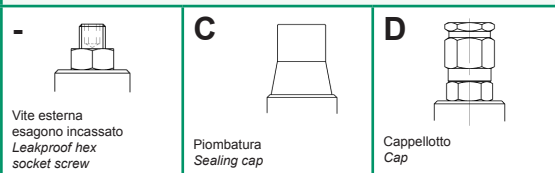
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Modello Type	V1, C1 V2, C2	Portata max Max. flow
OVC-DE-CC-38	3/8" GAS	40 l/min 10.5 gpm
OVC-DE-CC-12	1/2" GAS	60 l/min 16 gpm

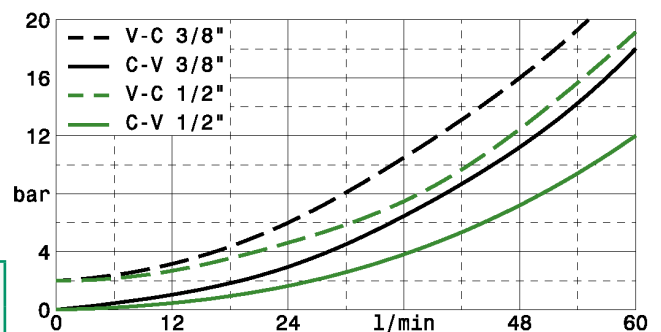
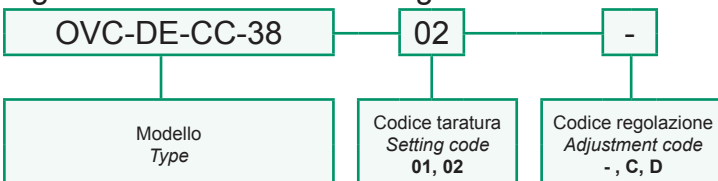
Taratura Setting			
La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico The valve must be set at least 1.3 times maximum load induced pressure			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring color
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black



Regolazioni - Adjustments



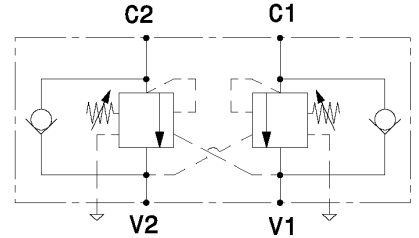
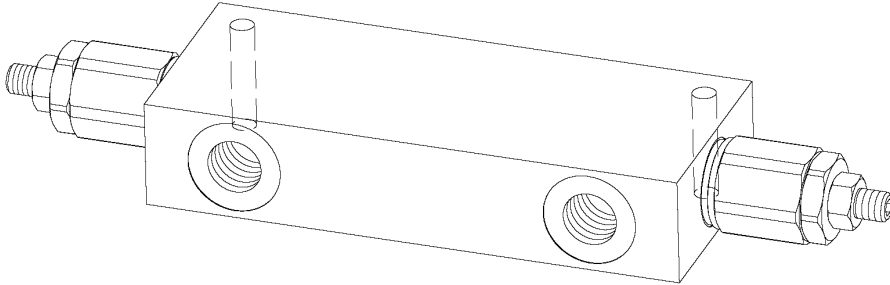
Sigla di ordinazione / Ordering code



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Valvola OVERCENTER compensata in pressione doppio effetto in linea
In line, double effect pressure compensated COUNTERBALANCE valve

mod. OVC-DE-L-CC



Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

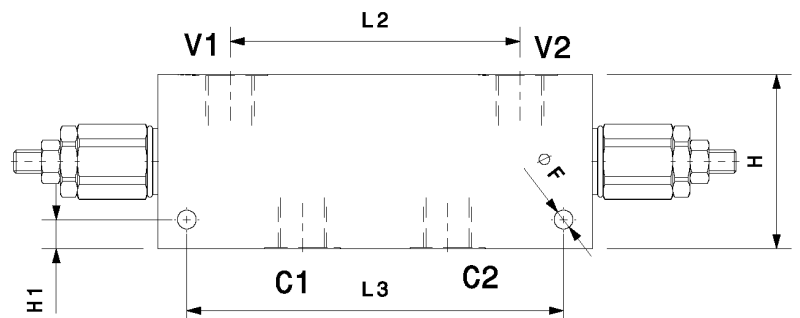
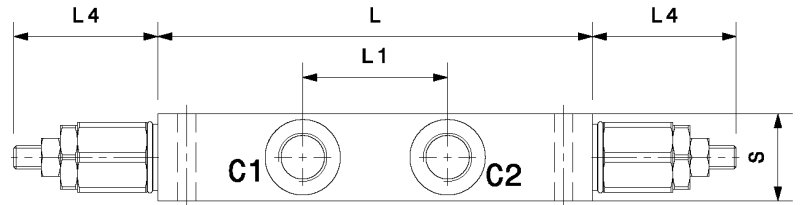
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio standard <i>Standard pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V1, V2 C1, C2	Portata max <i>Max. flow</i>
OVC-DE-L-CC-38	3/8" GAS	40 l/min 10.5 gpm
OVC-DE-L-CC-12	1/2" GAS	60 l/min 16 gpm
OVC-DE-L-CC-34	3/4" GAS	100 l/min 26 gpm
OVC-DE-L-CC-10	1" GAS	120 l/min 32 gpm

Taratura <i>Setting</i>			
La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar 1450 psi	20+200 bar 290+2900 psi	Bianco White
02	280 bar 4000 psi	50+350 bar 725+5000 psi	Nero Black



Modello <i>Type</i>	L	H	S	L1	L2	L3	L4	H1	F
OVC-DE-L-CC-38	150	60	30	50	100	130	50	10	6.5
OVC-DE-L-CC-12	150	60	30	50	100	130	50	10	6.5
OVC-DE-L-CC-34	190	70	40	64	138	170	58	10	8.5
OVC-DE-L-CC-10	190	70	50	64	132	170	58	10	8.5

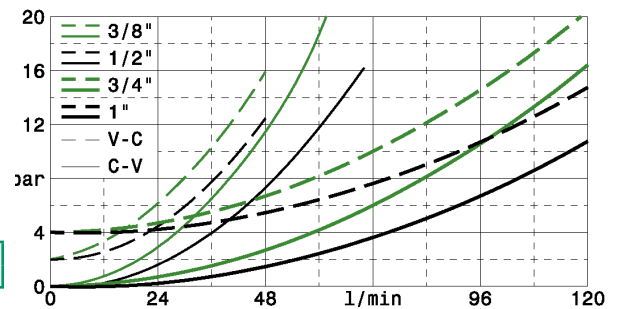
Regolazioni - *Adjustments*

Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	Piombatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>
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Sigla di ordinazione / *Ordering code*

OVC-DE-L-CC-38 - 02 - - -

Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02	Codice regolazione <i>Adjustment code</i> -, C, D	- Alluminio / <i>Aluminium</i> A Acciaio / <i>Steel</i>
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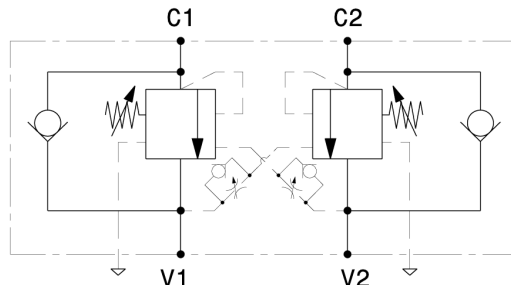
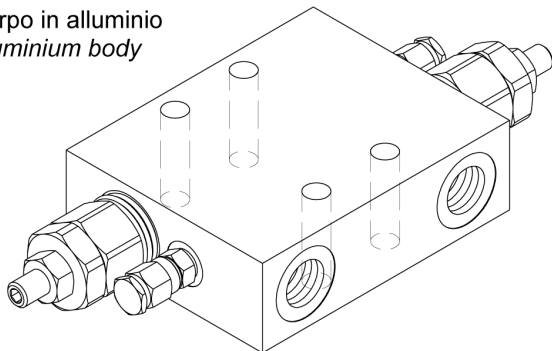


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Valvola OVERCENTER doppio effetto compensata in pressione, in linea flangiabile
Flangeable, in line, double effect pressure compensated COUNTERBALANCE valve

mod. OVC-DE-F2-PST-CC

Corpo in alluminio
Aluminium body

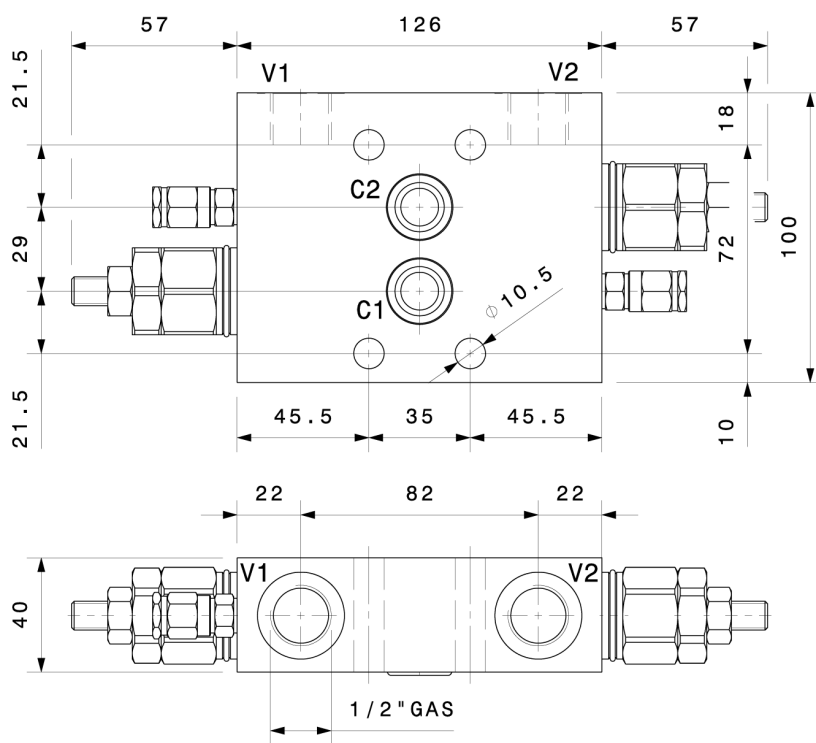


Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio <i>Pilot ratio</i>	4,25:1
Rapporto di pilotaggio a richiesta <i>Pilot ratio upon request</i>	3:1 8:1 10:1

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

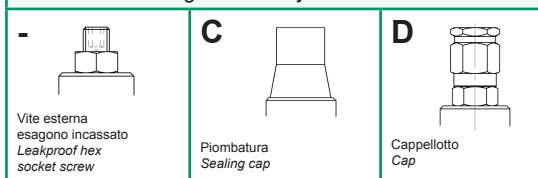
Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	V1, V2	Portata max <i>Max. flow</i>
OVC-DE-F2-PST-CC-12	1/2" GAS	60 l/min 16 gpm

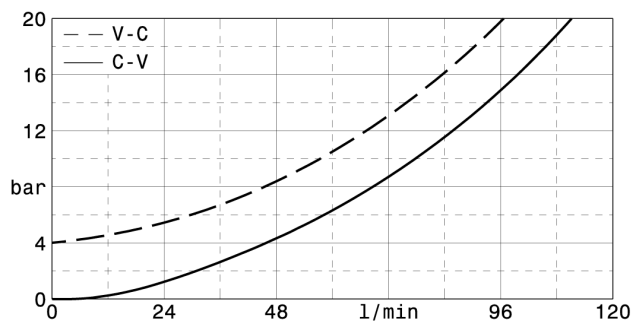
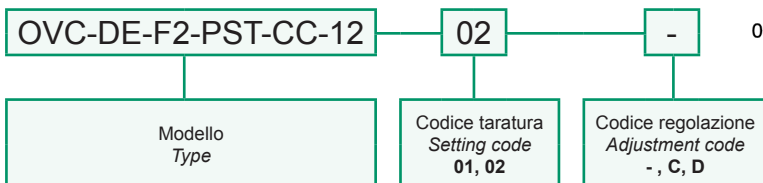


Taratura <i>Setting</i>			
La valvola deve essere tarata almeno 1.3 volte la massima pressione indotta dal carico <i>The valve must be set at least 1.3 times maximum load induced pressure</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring color</i>
01	100 bar 1450 psi	20÷200 bar 290÷2900 psi	Bianco White
02	280 bar 4000 psi	50÷350 bar 725÷5000 psi	Nero Black

Regolazioni *Adjustments*



Sigla di ordinazione / *Ordering code*



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