



Valvole di blocco e di non ritorno

Check valves



OIL SOLUTIONS

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"For All Your Hydraulic Needs"

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.

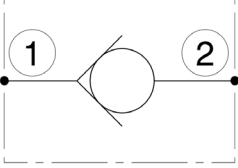
Jurisdiction

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 continence 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

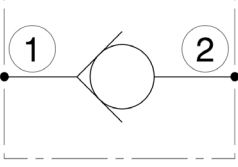
Valvola unidirezionale a cartuccia (METRICHE) Check valve – cartridge type (METRIC THREAD)

	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

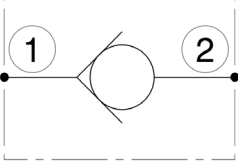
* VEDI SCHEMA IDRAULICO PAG. 13-15-17

* SEE HYDRAULIC SCHEME PAGE 13-15-17

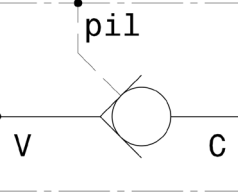
Valvola unidirezionale a cartuccia (SAE-UNF) Check valve – cartridge type (SAE-UNF THREAD)

	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

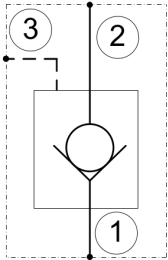
Valvola unidirezionale pilotata in apertura, a cartuccia Pilot to open operated check valve – cartridge type

	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

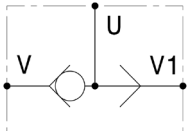
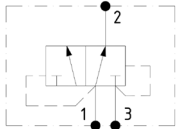
INDICE PER TIPO DI VALVOLA INDEX BY VALVE TYPE

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

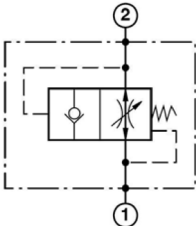
Valvola di blocco pilotata in chiusura a cartuccia Check valve, pilot to close – cartridge type

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

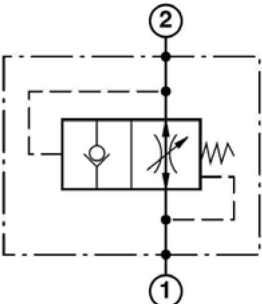
Valvola selettoria a cartuccia Shuttle valve – cartridge type

	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

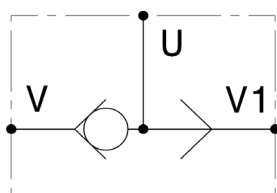
Valvola paracadute - colonnetta Hose burst valve

	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

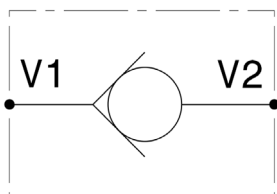
	Q	P	PAGINA
	(l/min)	(bar)	PAGE

Valvola seletttrice Shuttle valve



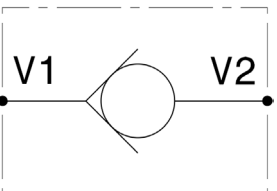
VSF14	20	350	40
VSF-38	40	350	40
VSF-12	60	350	40
VSF-34	100	280	40
VSM-14	20	350	40
VSM-38	40	350	40
VSM-12	60	350	40
VSM-34	100	280	40

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



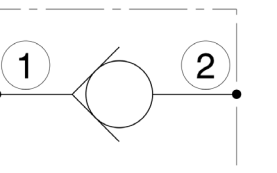
VU14-SF	15	500	41
VU38-SF	30	500	41
VU12-SF	50	500	41
VU34-SF	90	350	41
VU14-SP	15	500	41
VU38-SP	30	500	41
VU12-SP	50	500	41
VU34-SP	90	350	41
VU10-SP	150	350	41

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

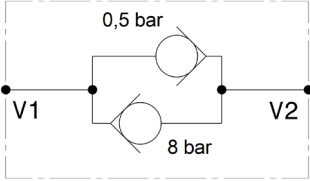


VU38-MM	25	350	43
VU12-MM	40	350	43

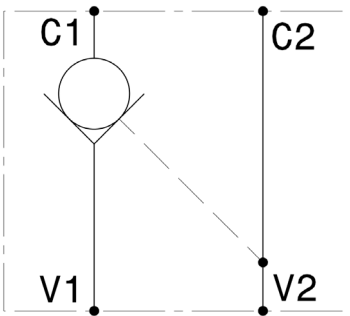
INDICE PER TIPO DI VALVOLA INDEX BY VALVE TYPE

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

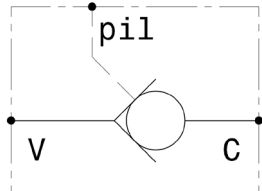
Valvola bidirezionale Bidirectional check valve

	VBD-E	30	350	44
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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
	In linea in line			
	VBS-L-14	20	350	49
	VBS-L-38	35	350	49
	VBS-L-12	50	350	49
	VBS-L-34	80	250	49
	Flangeable Flangeable			
	VBS-L-F-38	35	350	50
	VBS-L-F-12	50	350	50

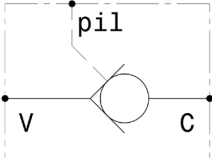
Valvola di blocco semplice effetto con pilotaggio separato Pilot operated check valve with vented pilot

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

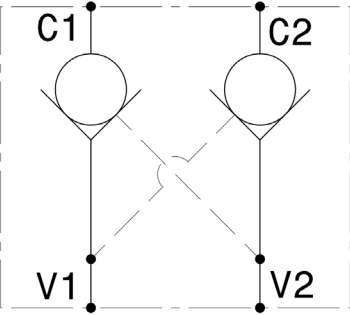
INDICE PER TIPO DI VALVOLA INDEX BY VALVE TYPE

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

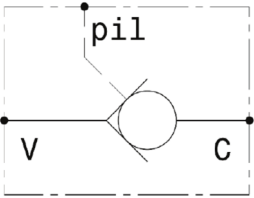
Valvola di blocco semplice effetto flangiabile con pilotaggio separato
Flangeable pilot operated check valve with vented pilot

	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 line <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

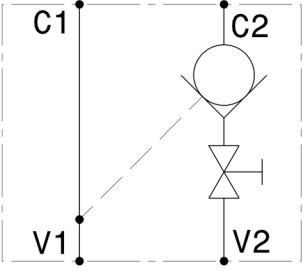
Valvola di blocco pilotata semplice effetto flangiabile
Flangeable pilot operated check valve

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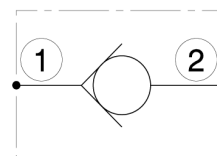
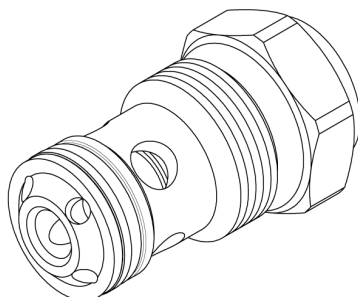
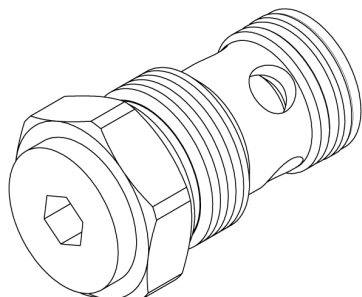
INDICE PER TIPO DI VALVOLA INDEX BY VALVE TYPE

	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

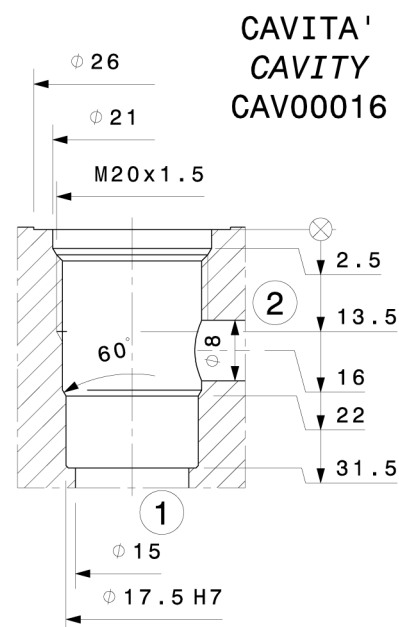
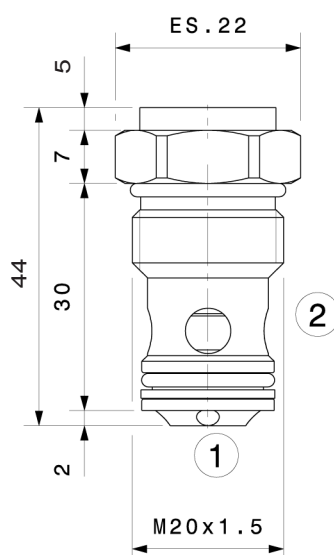
Valvola unidirezionale a cartuccia
Check valve – cartridge type
mod. VNR40-C



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

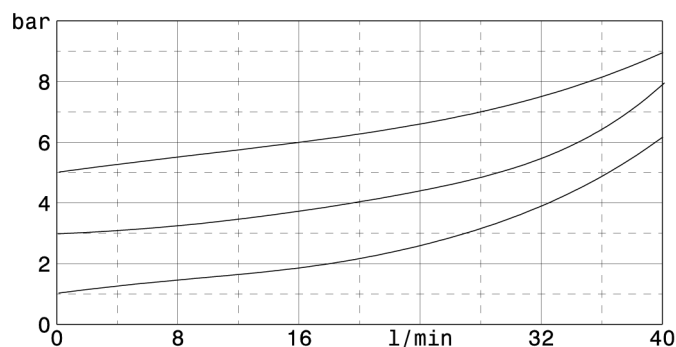
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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



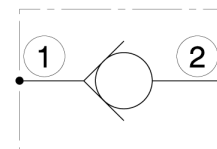
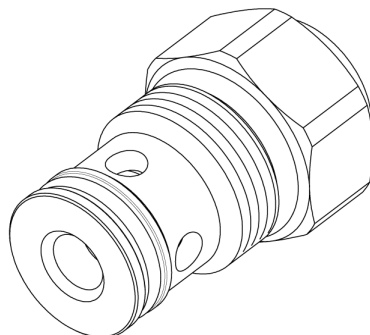
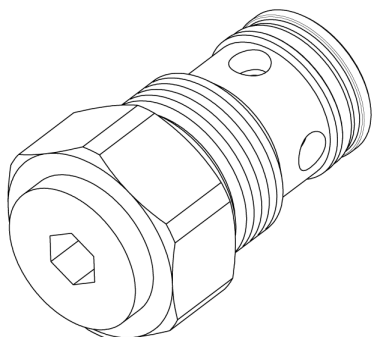
Sigla di ordinazione / Ordering code

VNR40-C	3 bar
Modello <i>Type</i>	Pressione di apertura <i>Cracking pressure</i> 1 - 3 - 5 bar



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.

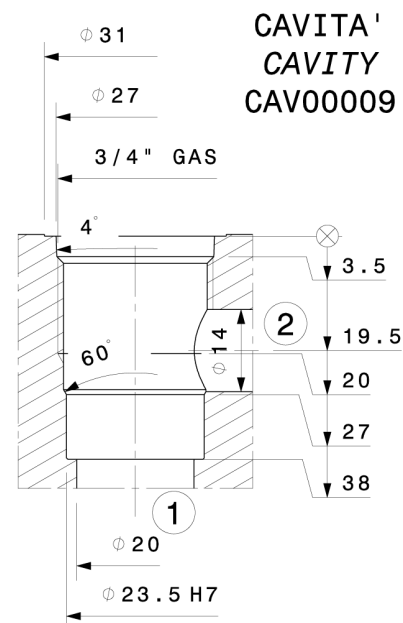
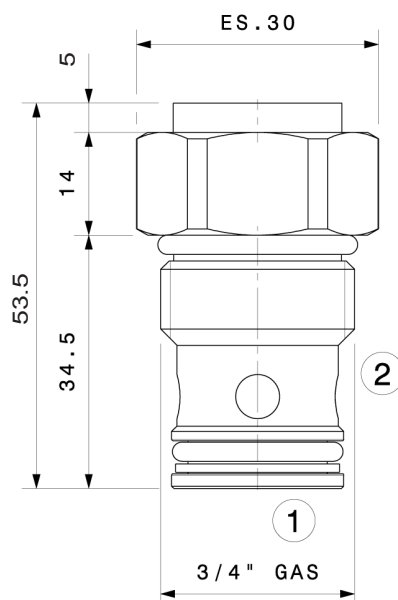
Valvola unidirezionale a cartuccia
Check valve – cartridge type
mod. VNR60-C



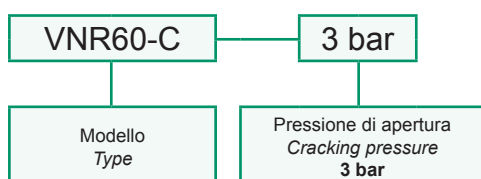
Portata massima <i>Max flow</i>	60 l/min <i>16 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Pressione di apertura <i>Cracking pressure</i>	3 bar 43 psi
Coppia di serraggio <i>Installation torque</i>	140 ÷ 160 Nm <i>105 ÷ 120 lb ft</i>

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

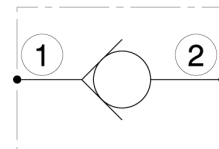
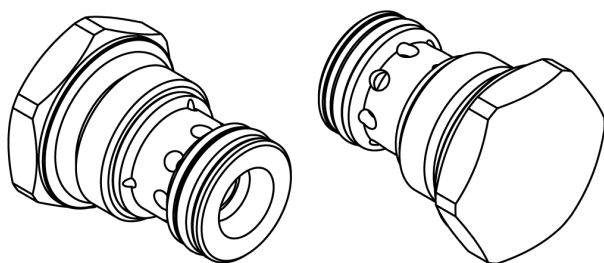


Sigla di ordinazione / Ordering code



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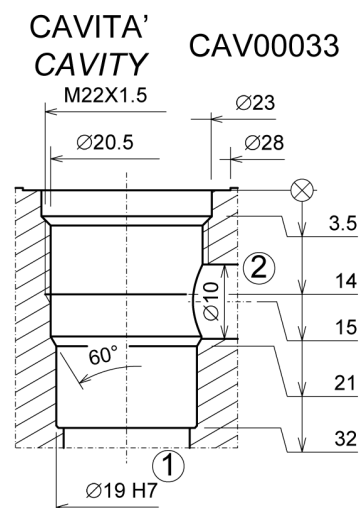
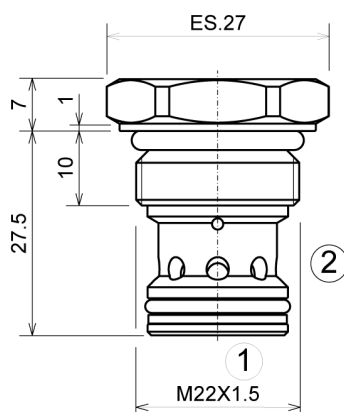
Valvola unidirezionale a cartuccia
Check valve – cartridge type
mod. VNR22-C



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
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

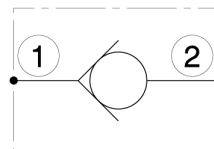
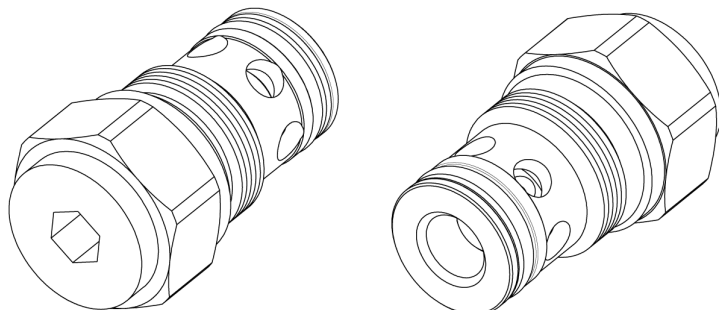


Sigla di ordinazione / Ordering code

VNR22-C	---
Modello Type	Pressione di apertura Cracking pressure 1 bar (14 psi) 3 bar (43 psi) 5 bar (72 psi)

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.

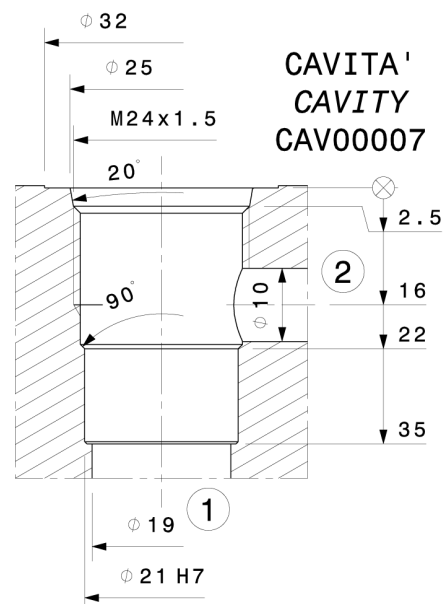
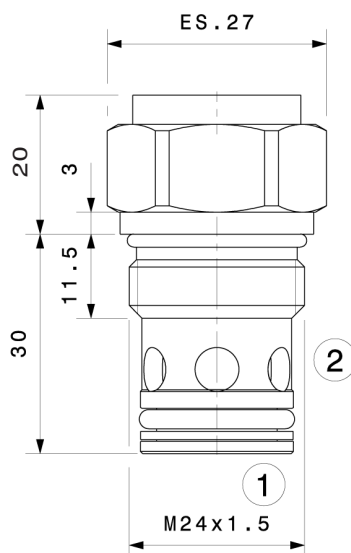
Valvola unidirezionale a cartuccia
Check valve – cartridge type
mod. VNR80-C



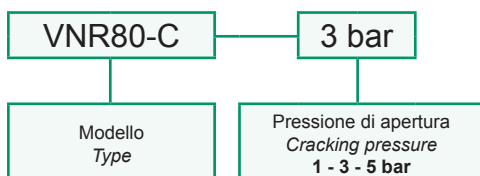
Portata massima <i>Max flow</i>	80 l/min 21 gpm
Pressione massima <i>Max pressure</i>	300 bar 4300 psi
Pressione di apertura <i>Cracking pressure</i>	1 bar 14 psi 3 bar 43 psi 5 bar 72 psi
Coppia di serraggio <i>Installation torque</i>	65 ÷ 70 Nm 49 ÷ 52 lb ft

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 <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

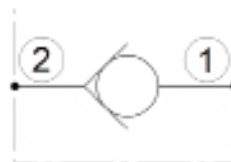
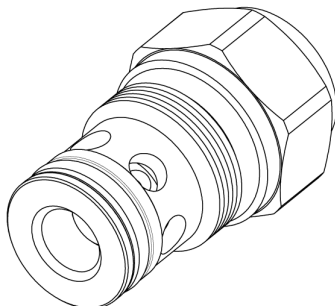
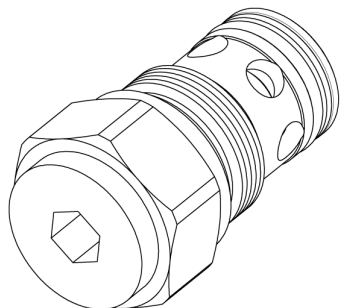


Sigla di ordinazione / Ordering code

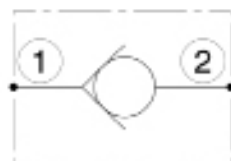


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Valvola unidirezionale a cartuccia
Check valve – cartridge type
mod. VNRI80-C



VNRI80C-A

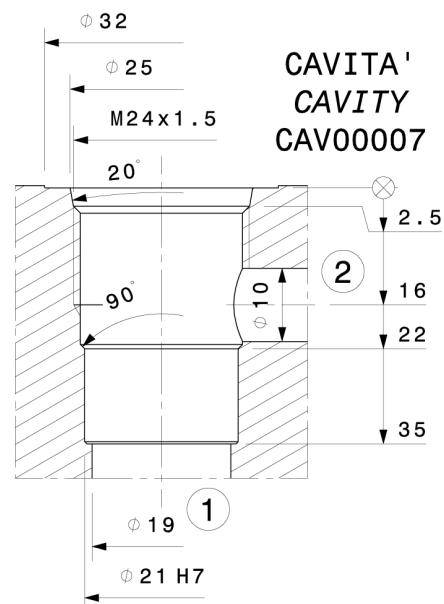
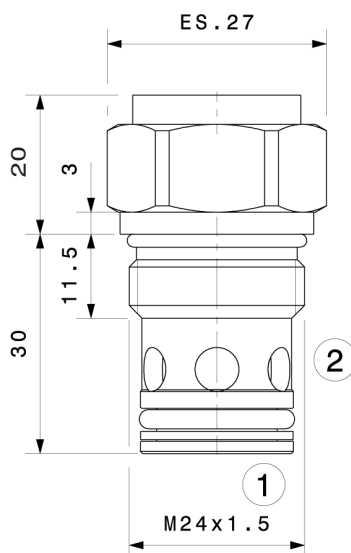


VNRI80C-B

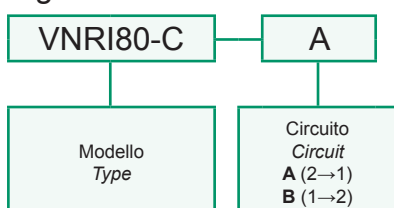
Portata massima Max flow	80 l/min 21 gpm
Pressione massima Max pressure	300 bar 4300 psi
Pressione di apertura Cracking pressure	0.5 bar 7.25 psi
Coppia di serraggio Installation torque	65 ÷ 70 Nm 49 ÷ 52 lb ft

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
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

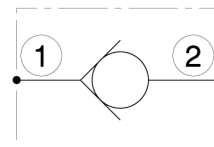
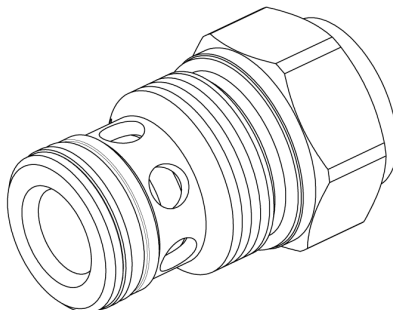
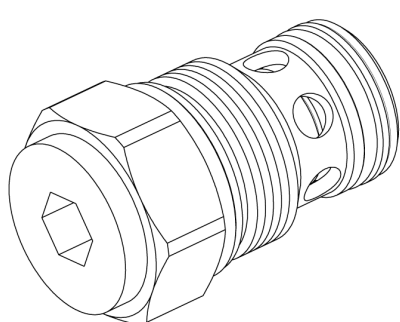


Sigla di ordinazione / Ordering code



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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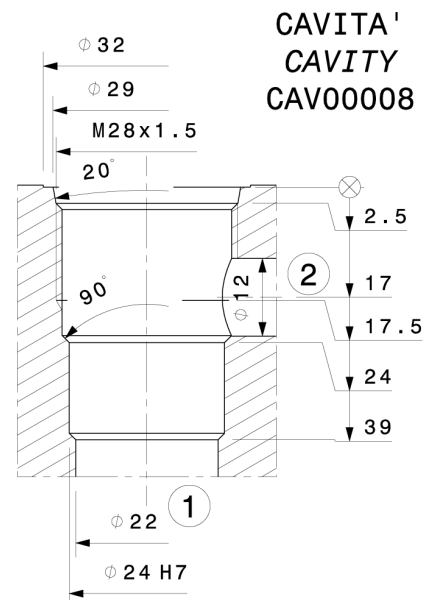
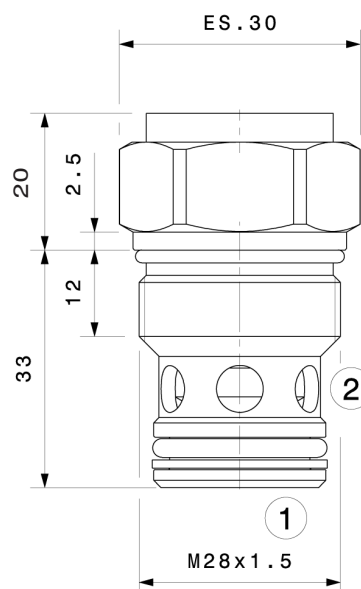
Valvola unidirezionale a cartuccia
Check valve – cartridge type
mod. VNR130-C



Portata massima <i>Max flow</i>	130 l/min 34 gpm
Pressione massima <i>Max pressure</i>	300 bar 4300 psi
Pressione di apertura <i>Cracking pressure</i>	1 bar 14 psi 3 bar 43 psi 5 bar 72 psi
Coppia di serraggio <i>Installation torque</i>	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

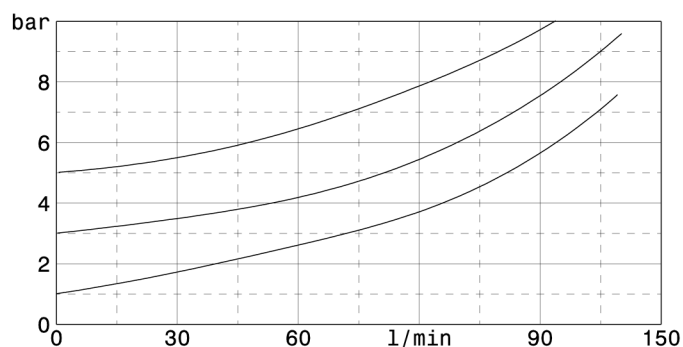
Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



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CAV00008

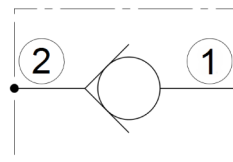
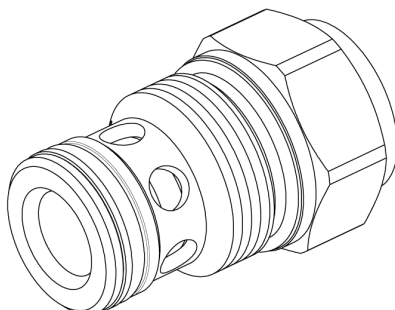
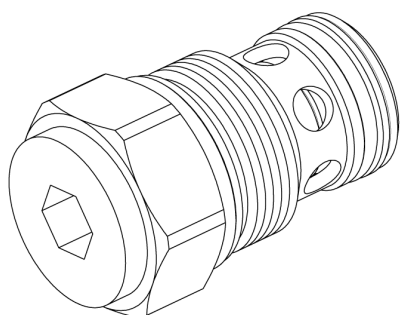
Sigla di ordinazione / Ordering code

VNR130-C	3 bar
Modello <i>Type</i>	Pressione di apertura <i>Cracking pressure</i> 1 - 3 - 5 bar

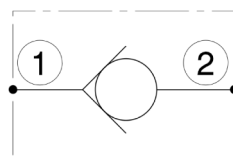


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola unidirezionale a cartuccia
Check valve – cartridge type
mod. VNRI130-C



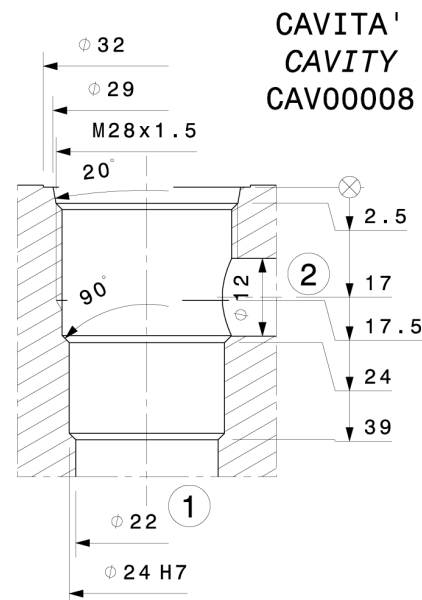
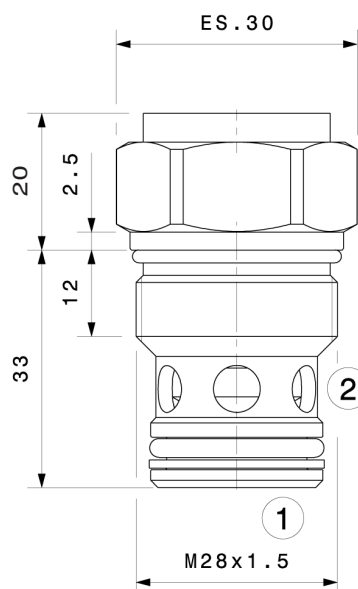
VNRI130C-A



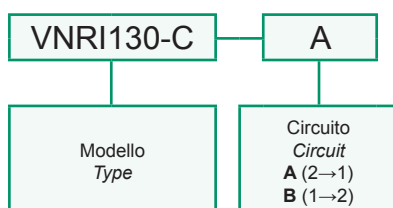
VNRI130C-B

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
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

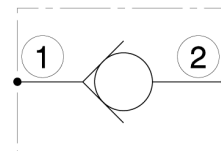
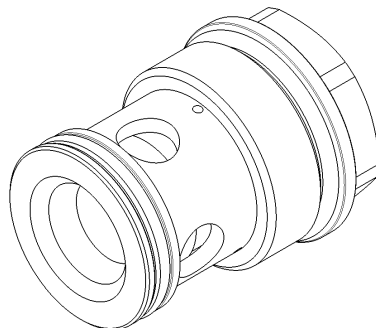
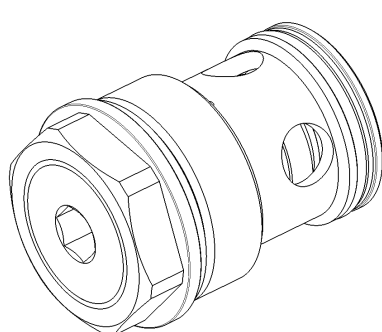

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CAV00008

Sigla di ordinazione / Ordering code



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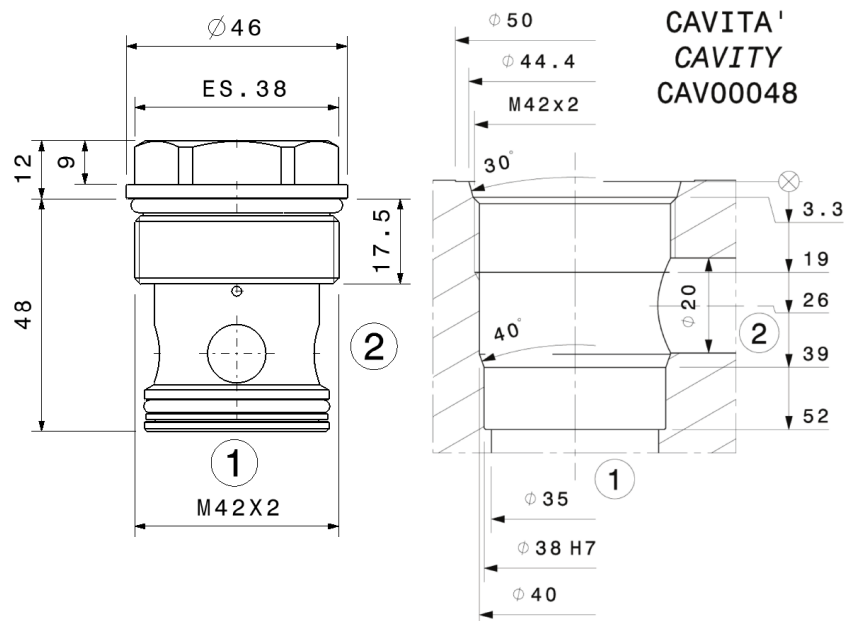
Valvola unidirezionale a cartuccia
Check valve – cartridge type
mod. VNR200-C



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

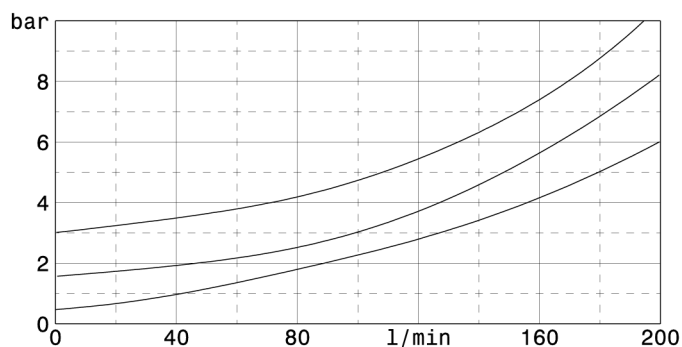
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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



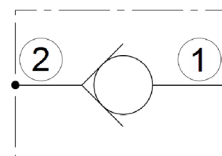
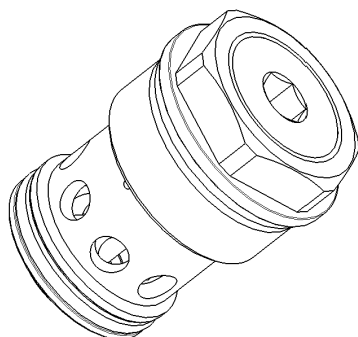
Sigla di ordinazione / Ordering code

VNR200-C	1,5 bar
Modello Type	Pressione di apertura Cracking pressure 0,5 - 1,5 - 3 bar

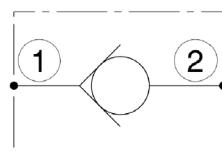


I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
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Valvola unidirezionale a cartuccia
Check valve – cartridge type
mod. VNRI200-C



VNRI200C-A

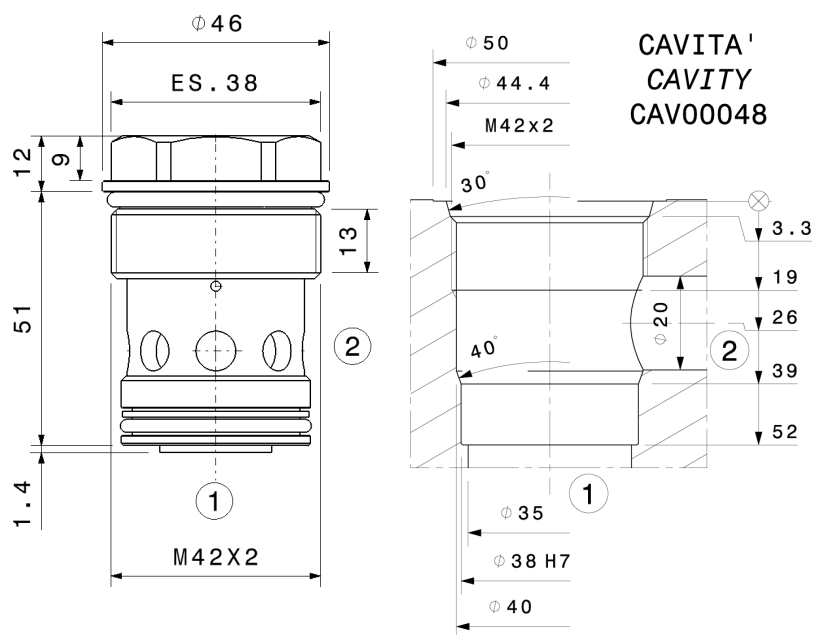


VNRI200C-B

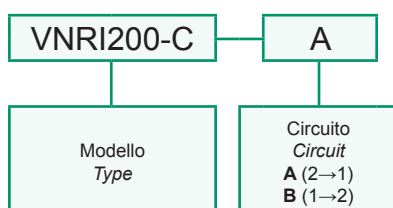
Portata massima Max flow	200 l/min 53 gpm
Pressione massima Max pressure	300 bar 4300 psi
Pressione di apertura Cracking pressure	0,5 bar 7.25 psi
Coppia di serraggio Installation torque	200 ÷ 220 Nm 150 ÷ 165 lb ft

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
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

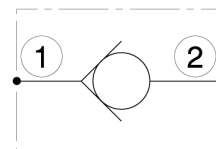
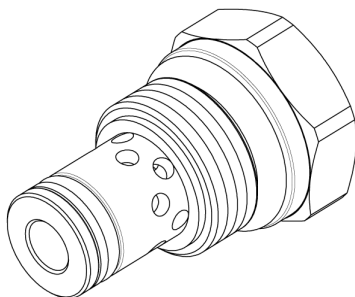
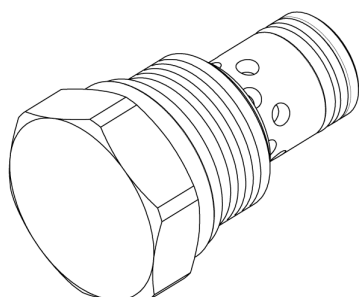


Sigla di ordinazione / Ordering code



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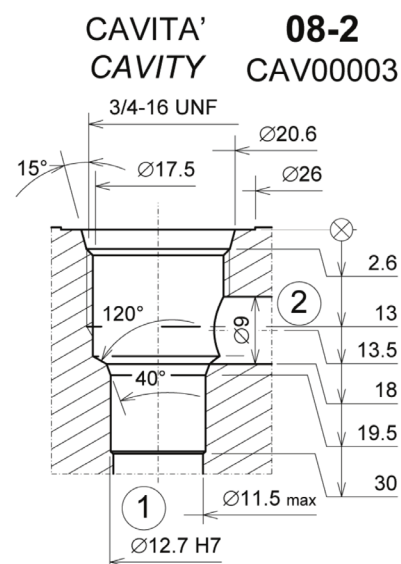
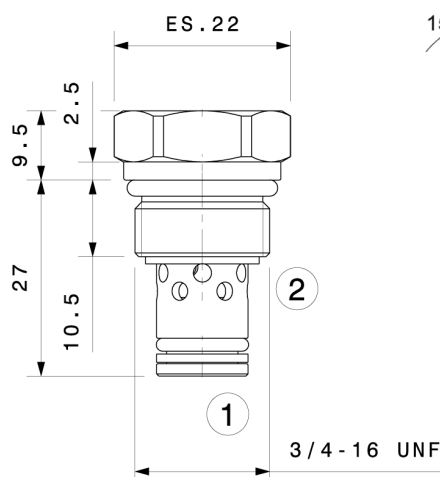
Valvola unidirezionale a cartuccia
Check valve – cartridge type
mod. VNR40-08-C



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

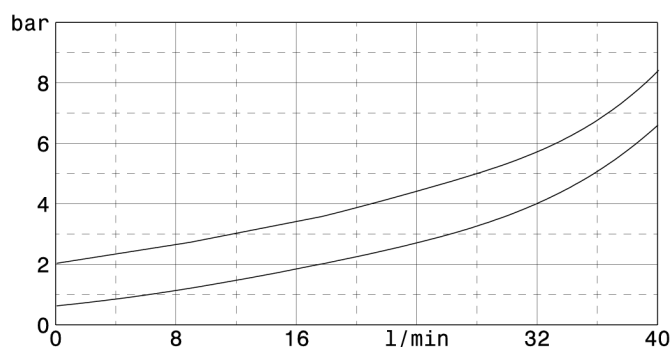
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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



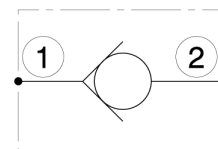
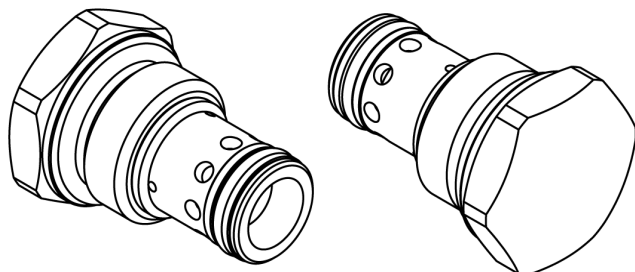
Sigla di ordinazione / Ordering code

VNR40-08-C	2 bar
Modello Type	Pressione di apertura Cracking pressure 0.5 - 2 - 3 - 5 bar



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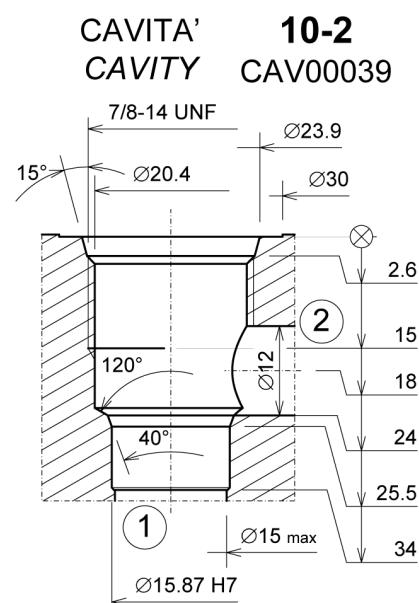
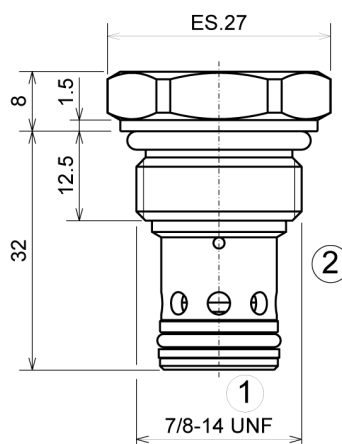
Valvola unidirezionale a cartuccia
Check valve – cartridge type
mod. VNR10-C



Portata massima <i>Max flow</i>	80 l/min 21 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Pressione di apertura <i>Cracking pressure</i>	1 bar - 14 psi 3 bar - 43 psi 5 bar - 73 psi
Coppia di serraggio <i>Installation torque</i>	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 <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

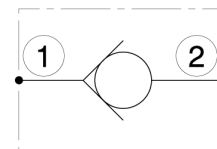
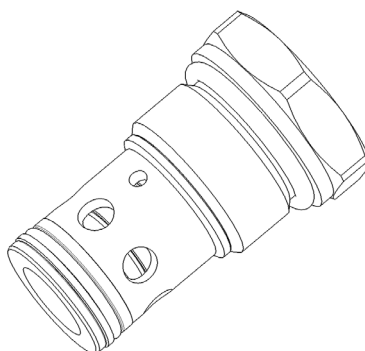
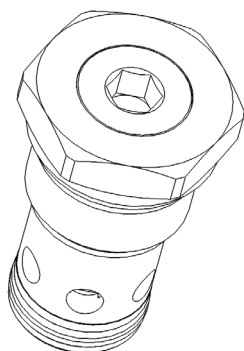


Sigla di ordinazione / Ordering code

VNR10-C	---
Modello <i>Type</i>	Pressione di apertura <i>Cracking pressure</i> 1 bar (14 psi) 3 bar (43 psi) 5 bar (72 psi)

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.

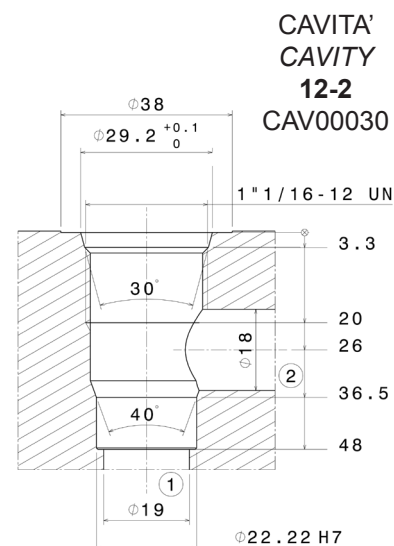
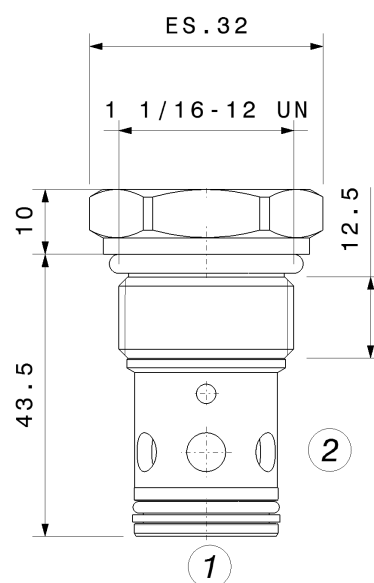
Valvola unidirezionale a cartuccia
Check valve – cartridge type
mod. VNR12-C



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
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



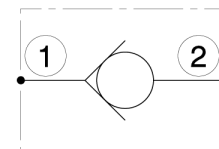
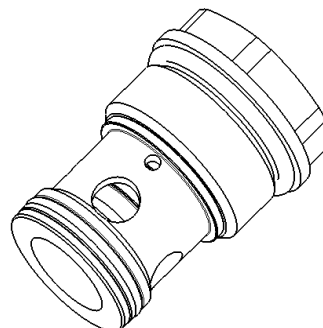
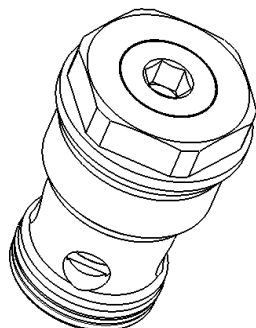
Sigla di ordinazione / Ordering code

VNR12-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.

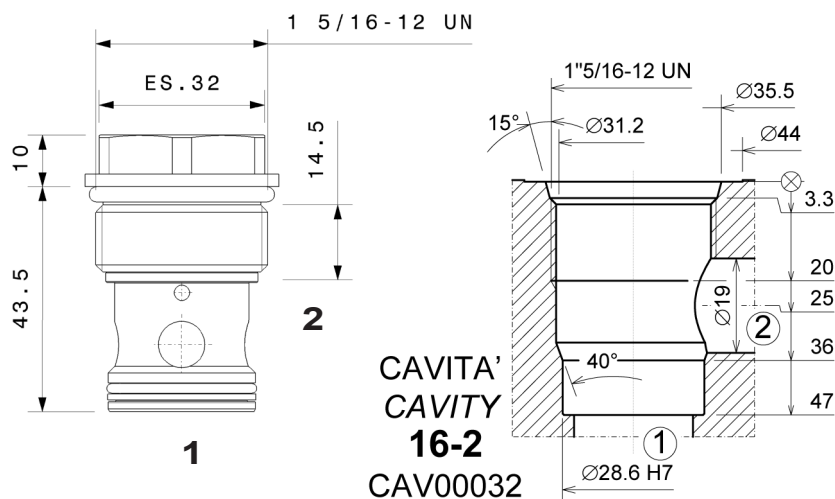
Valvola unidirezionale a cartuccia
Check valve – cartridge type
mod. VNR16-C



Portata massima <i>Max flow</i>	150 l/min 40 gpm
Pressione massima <i>Max pressure</i>	300 bar 4300 psi
Pressione di apertura <i>Cracking pressure</i>	1 bar 14.5 psi
Coppia di serraggio <i>Installation torque</i>	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 <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



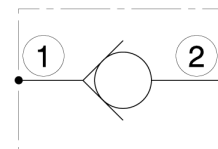
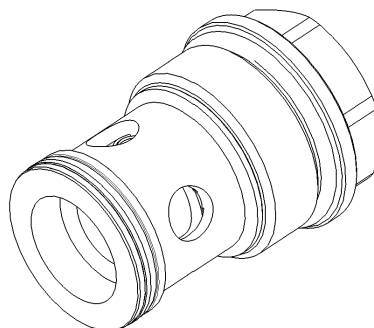
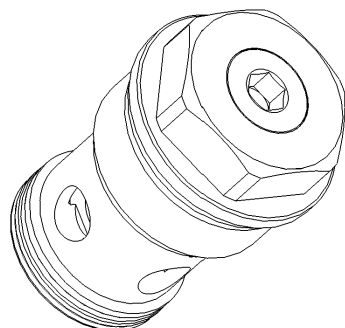
Sigla di ordinazione / Ordering code

VNR16-C

Modello
Type

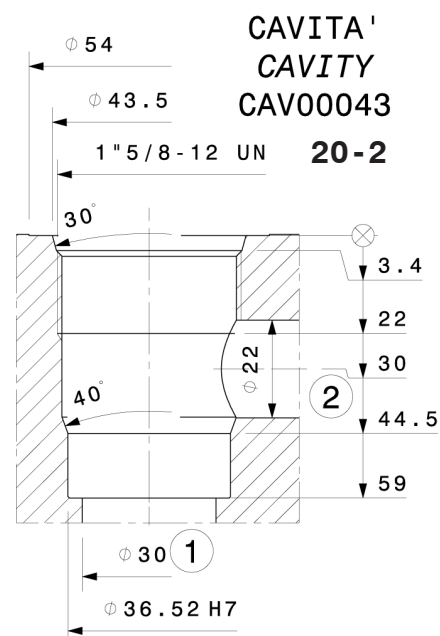
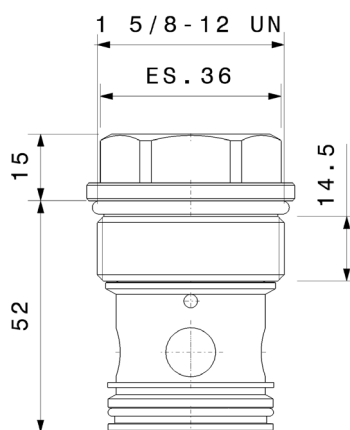
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
*The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.*

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

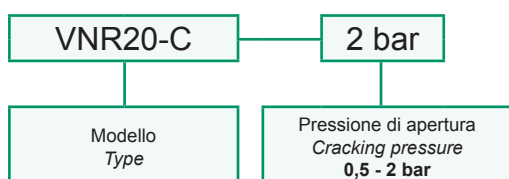


Portata massima <i>Max flow</i>	280 l/min 75 gpm
Pressione massima <i>Max pressure</i>	300 bar 4300 psi
Pressione di apertura <i>Cracking pressure</i>	0,5 bar 7 psi 2 bar 29 psi
Coppia di serraggio <i>Installation torque</i>	200 ÷ 220 Nm 150 ÷ 165 lb ft

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
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

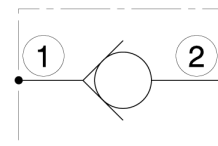
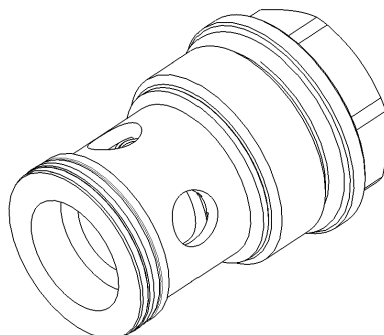
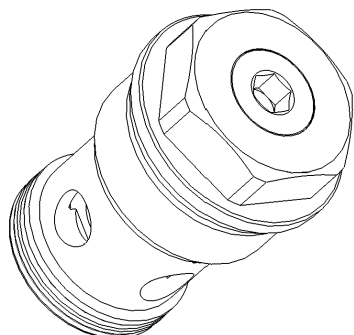


Sigla di ordinazione / Ordering code



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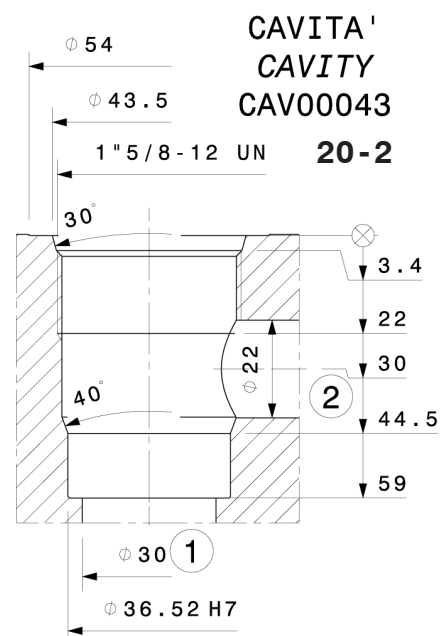
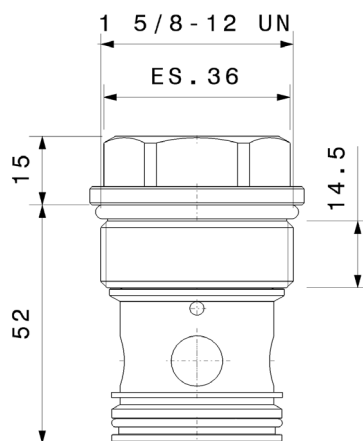
Valvola unidirezionale a cartuccia
Check valve – cartridge type
mod. VNR20-C-D23



Portata massima <i>Max flow</i>	360 l/min 95 gpm
Pressione massima <i>Max pressure</i>	300 bar 4300 psi
Pressione di apertura <i>Cracking pressure</i>	1 bar 14.5 psi 1.5 bar 22 psi
Coppia di serraggio <i>Installation torque</i>	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 <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

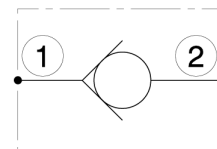
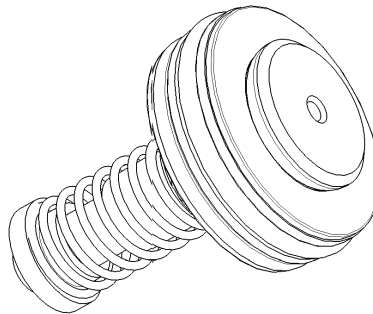
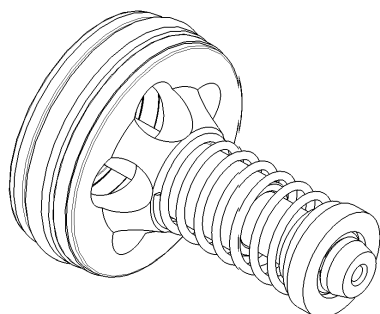


Sigla di ordinazione / Ordering code

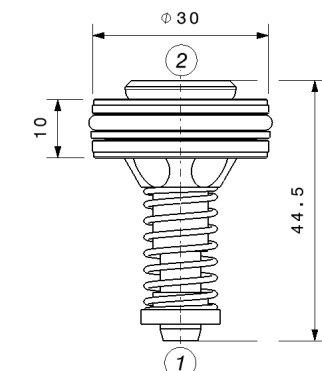
VNR20-C-D23	1 bar
Modello <i>Type</i>	Pressione di apertura <i>Cracking pressure</i> 1 - 1,5 bar

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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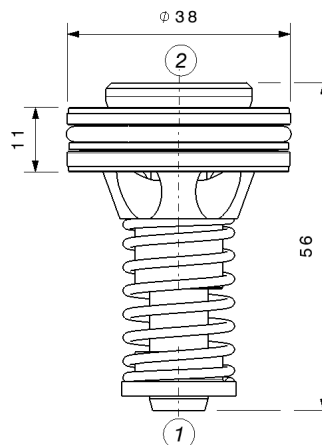
Valvola unidirezionale ad inserto
Check valve insert
mod. VNRI30 - VNRI38



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

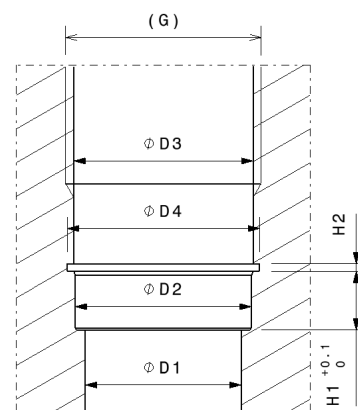


**INSERTO
VNRI 30**



**INSERTO
VNRI 38**

**CAVITA'
CAVITY**



	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

VNRI30

Modello
Type
VNRI30
VNRI38

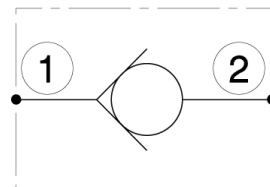
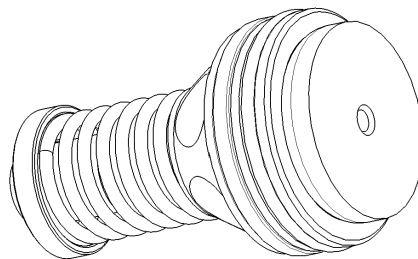
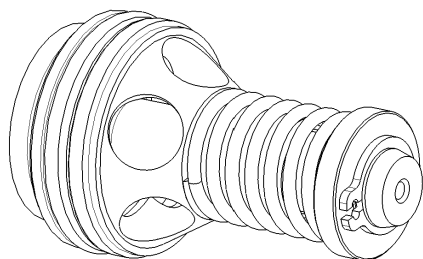
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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 ad inserto
Check valve insert

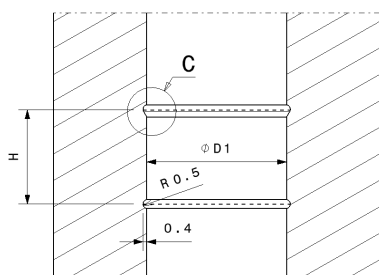
mod. VNRI80D15- VNRI130D18 - VNRI200D27



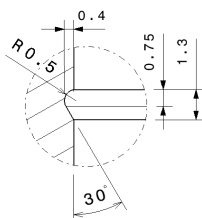
Modello Type	Portata massima Max Flow	Pressione massima Max pressure
VNRI80D15	90 l/min 23.5 gpm	350 bar 5000 psi
VNRI130D18	130 l/min 34 gpm	350 bar 5000 psi
VNRI200D27	200 l/min 53 gpm	350 bar 5000 psi

Pressione di apertura Cracking pressure	0.5 bar 7.3 psi
--	------------------------

CAVITA'
CAVITY

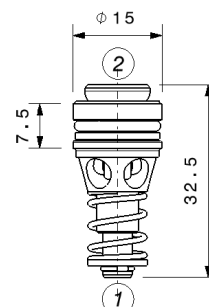


	D1 mm	H mm	anello d'arresto retaining ring
VNRI80 D.15	15 H7	10	COD. ANL00057
VNRI130 D.18	18 H7	10	COD. ANL00038
VNRI200 D.27	27 H7	9,5	COD. ANL00056

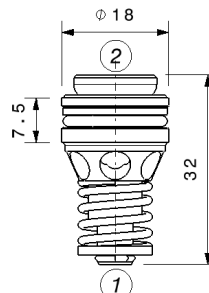


PART. C

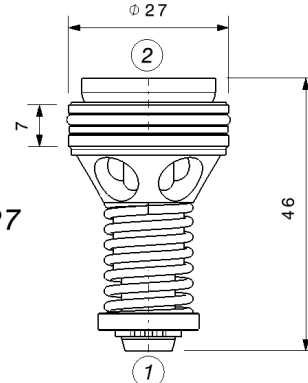
INSERTO
VNRI80 Ø15



INSERTO
VNRI130 Ø18



INSERTO
VNRI200 Ø27



Sigla di ordinazione / Ordering code

VNRI80D15

Modello

Type

VNRI80D15

VNRI130D18

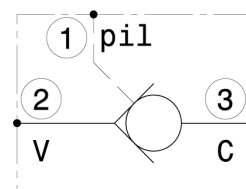
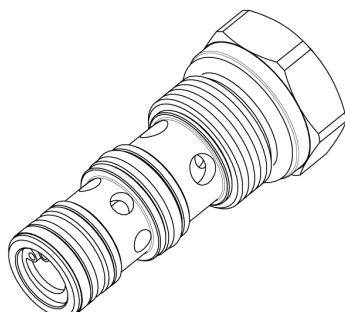
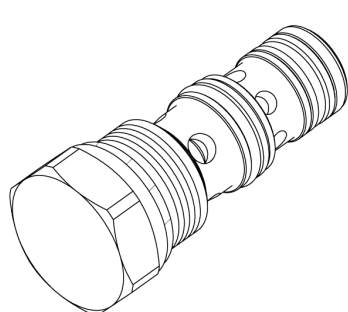
VNRI200D27

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
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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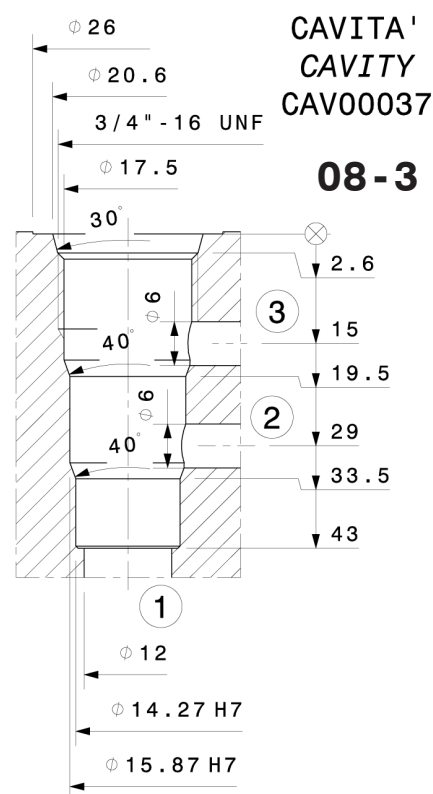
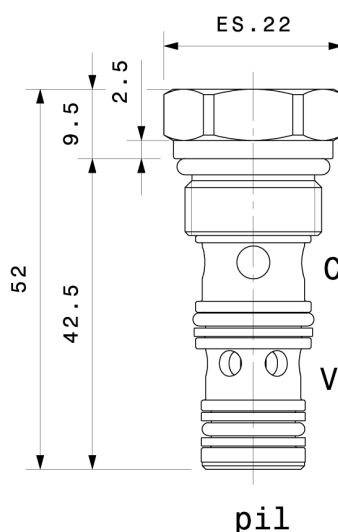
Valvola unidirezionale pilotata a cartuccia
Pilot operated check valve – cartridge type
mod. VBP20-08-C



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
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



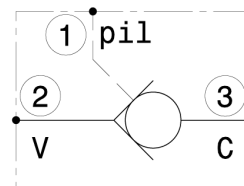
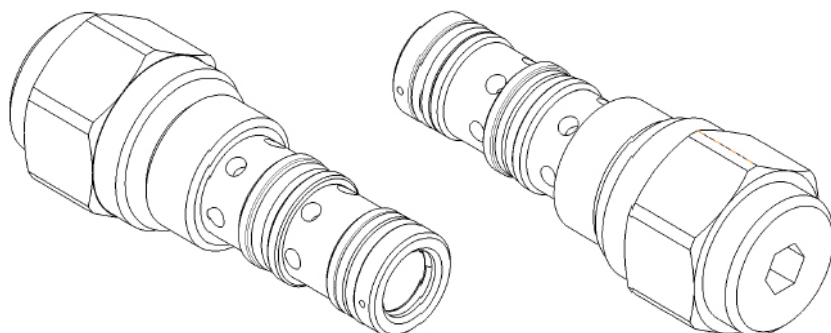
Sigla di ordinazione / Ordering code

VBP20-08-C

Modello
Type

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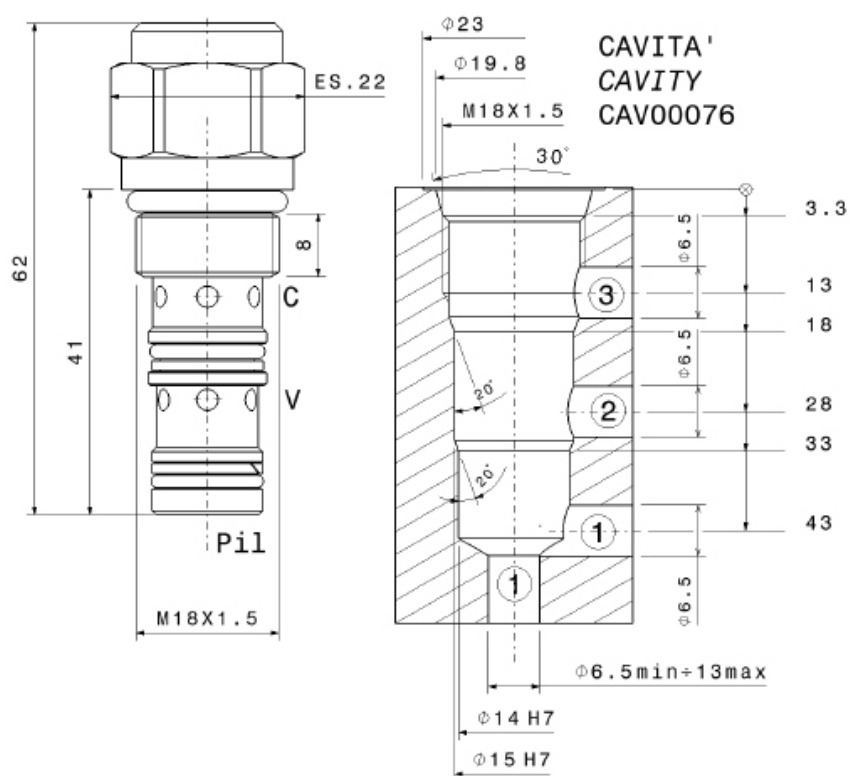
Valvola unidirezionale pilotata a cartuccia
Pilot operated check valve – cartridge type
mod. VBP20-C



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

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

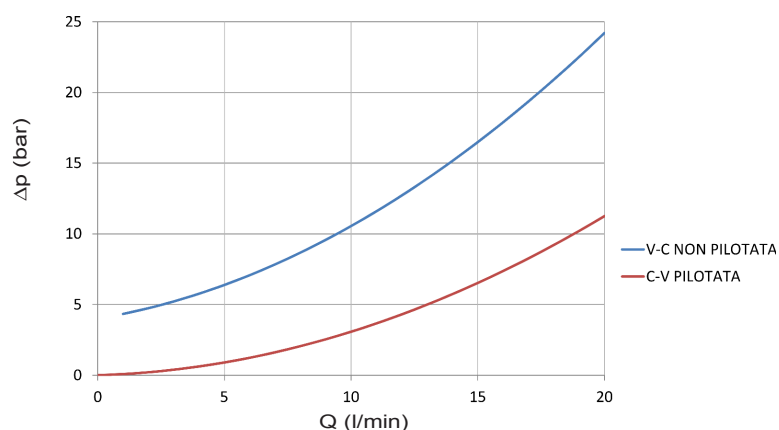
Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



Sigla di ordinazione / Ordering code

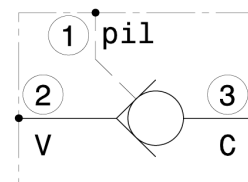
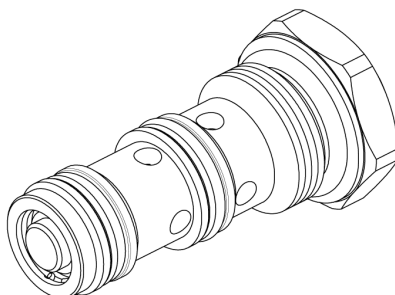
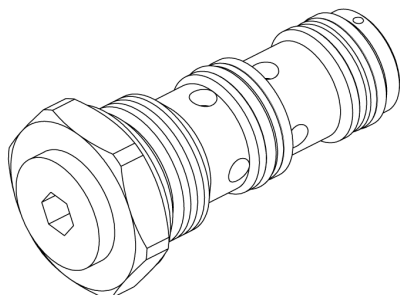
VBP20-C

Modello
Type



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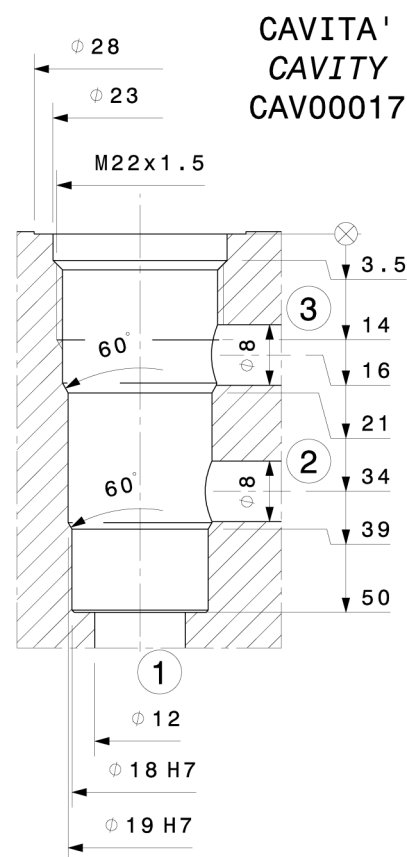
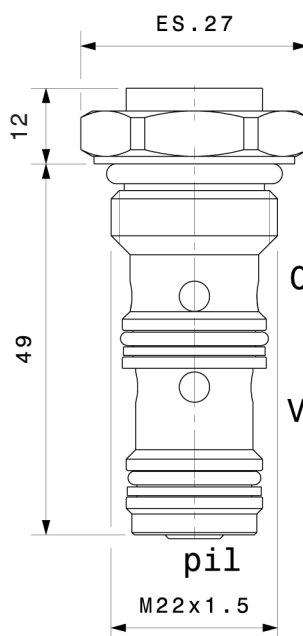
Valvola unidirezionale pilotata a cartuccia
Pilot operated check valve – cartridge type
mod. VBP40-C



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

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

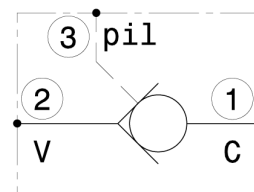
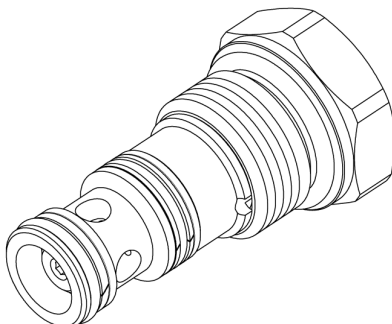
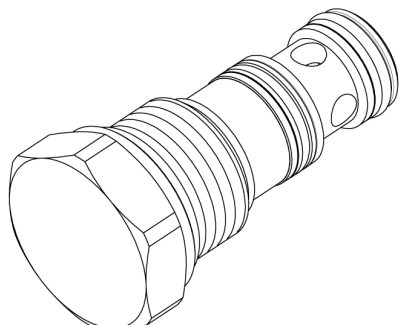


Sigla di ordinazione / Ordering code

VBP40-C	-
Modello <i>Type</i>	SENZA O-RING <i>WITHOUT O-RING</i> OR SUL PISTONE <i>O-RING ON PILOT PISTON</i>

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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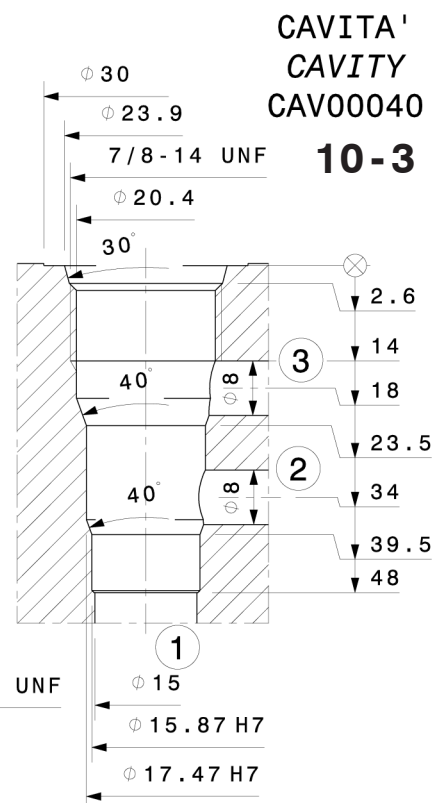
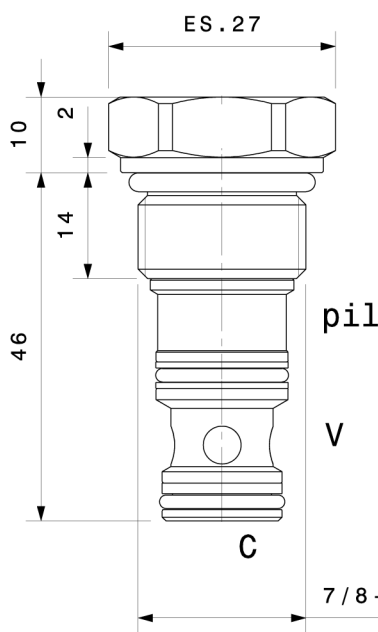
Valvola unidirezionale pilotata a cartuccia
Pilot operated check valve – cartridge type
mod. VBP60-10-C-P3



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

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



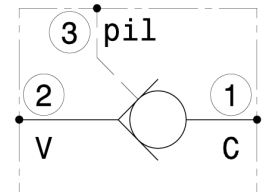
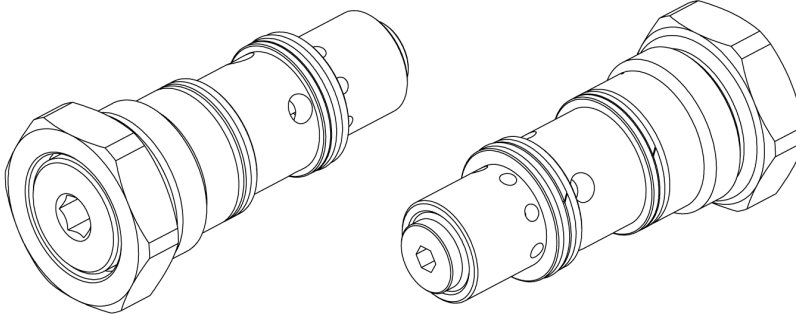
Sigla di ordinazione / Ordering code

VBP60-10-C-P3

Modello
Type

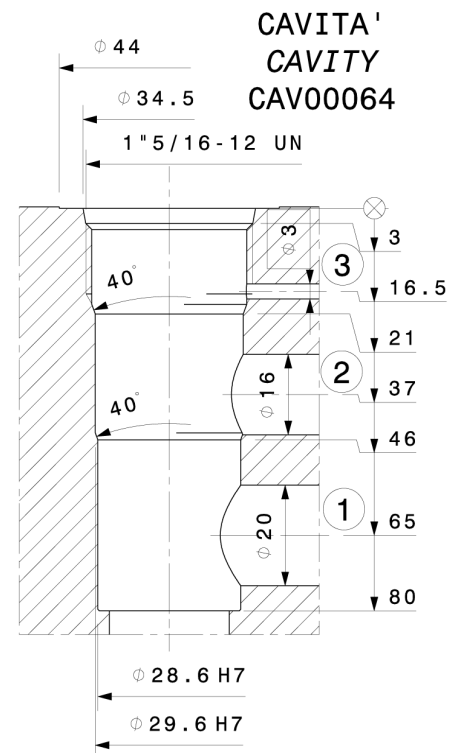
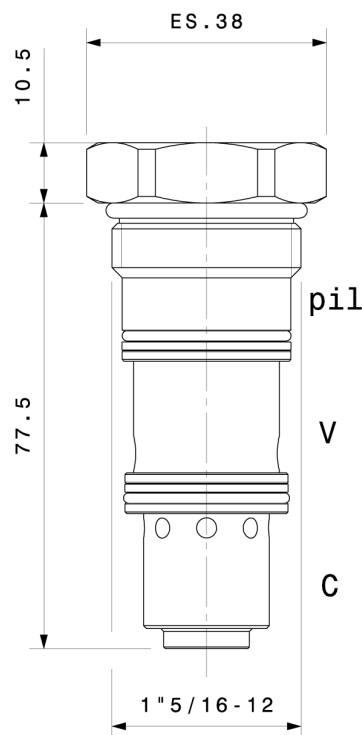
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola unidirezionale pilotata a cartuccia
Pilot operated check valve – cartridge type
 mod. **VBP90-C**



Portata massima <i>Max flow</i>	90 l/min <i>24 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
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 <i>135 ÷ 150 lbf ft</i>

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
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

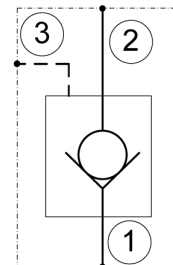
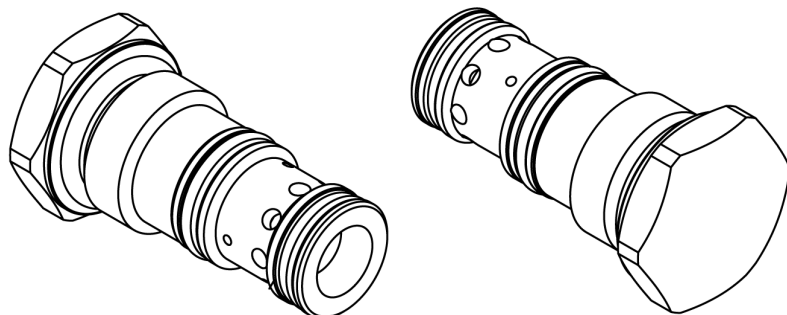


Sigla di ordinazione / Ordering code

VBP90-C	-
Modello Type	- SENZA O-RING <i>WITHOUT O-RING</i> OR SUL PISTONE O-RING SUL PISTONE PILOTAGGIO <i>O-RING ON PILOT PISTON</i>

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.*

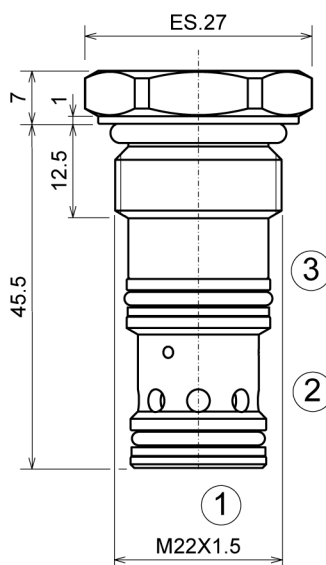
Valvola di blocco pilotata in chiusura a cartuccia
Check valve, pilot to close – cartridge type
mod. VBPC-22-C



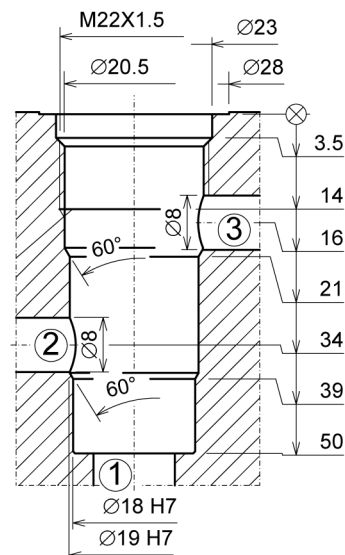
Portata massima <i>Max flow</i>	60 l/min <i>16 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Rapporto di pilotaggio <i>Pilot Ratio</i>	1,5:1
Pressione di apertura <i>Cracking pressure</i>	3,5 bar 50 psi
Coppia di serraggio <i>Installation torque</i>	40 ÷ 45 Nm <i>30 ÷ 34 lbf ft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

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



CAVITA' CAVITY CAV00017



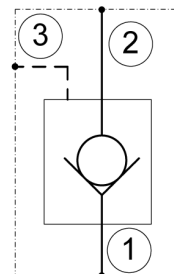
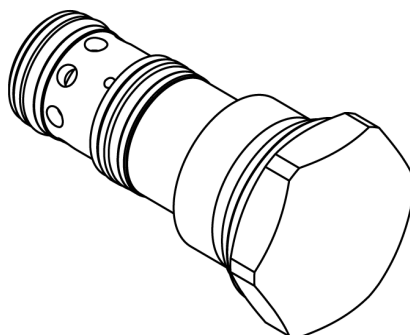
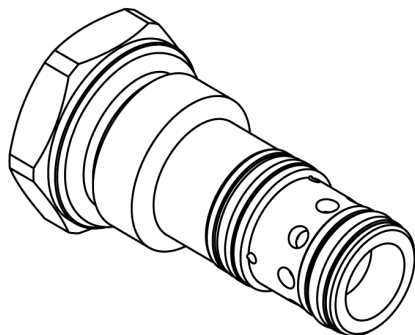
Sigla di ordinazione / Ordering code

VBPC-22-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.

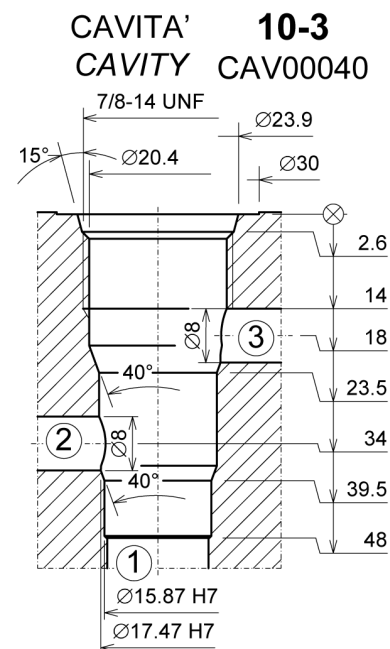
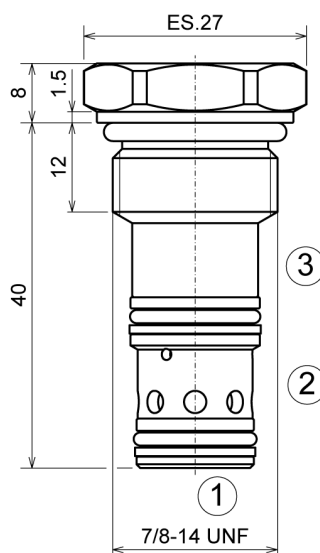
Valvola di blocco pilotata in chiusura a cartuccia
Check valve, pilot to close – cartridge type
mod. VBPC-10-C



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

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



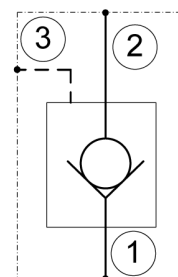
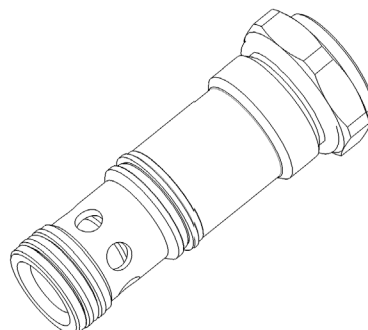
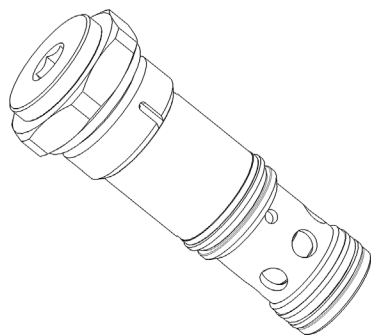
Sigla di ordinazione / Ordering code

VBPC-10-C

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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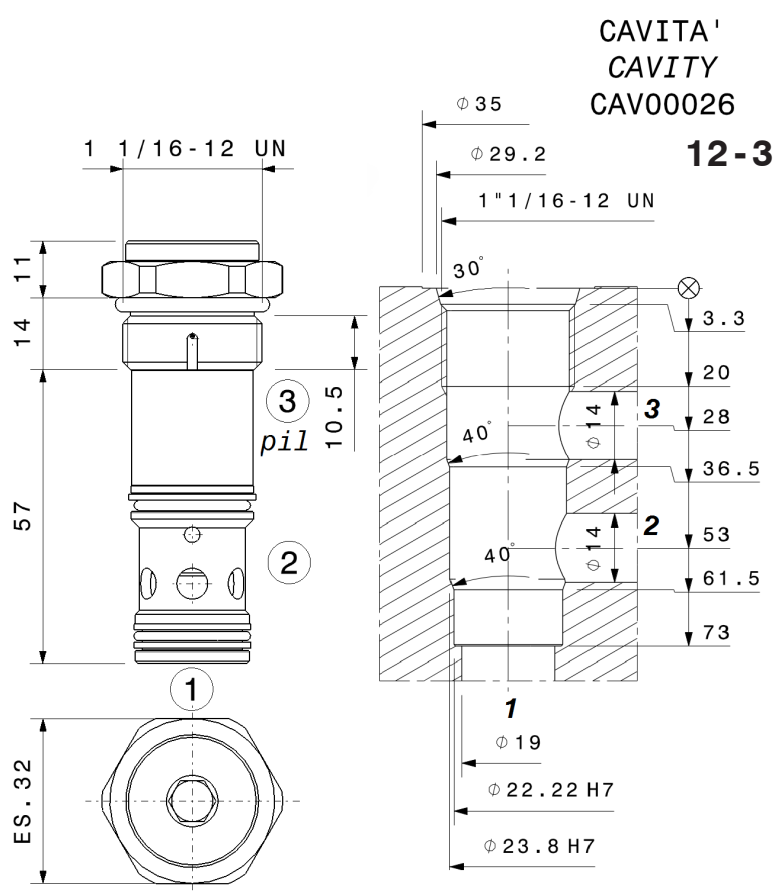
Valvola di blocco pilotata in chiusura a cartuccia
Check valve, pilot to close – cartridge type
mod. VBPC-12-C



Portata massima <i>Max flow</i>	110 l/min 29 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio <i>Pilot Ratio</i>	1,9:1
Pressione di apertura <i>Cracking pressure</i>	1 bar 14.5 psi
Coppia di serraggio <i>Installation torque</i>	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 <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



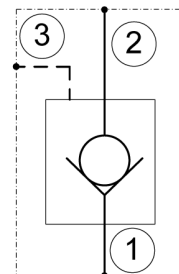
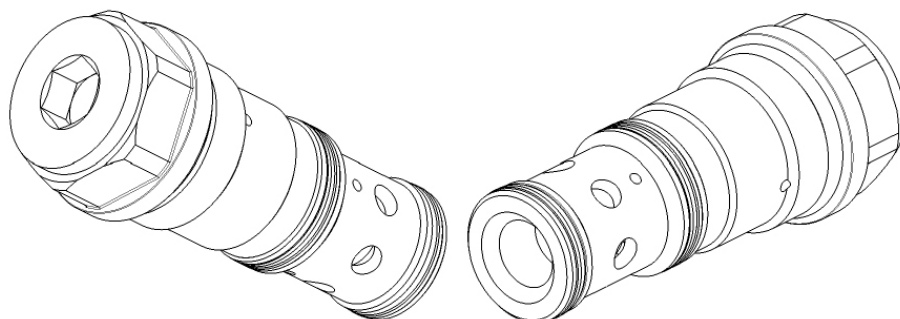
Sigla di ordinazione / Ordering code

VBPC-12-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.

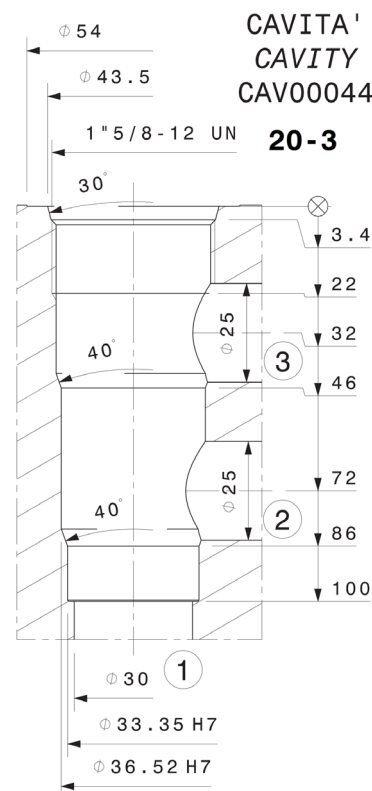
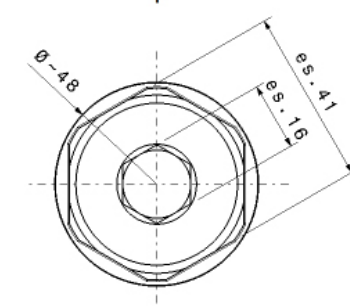
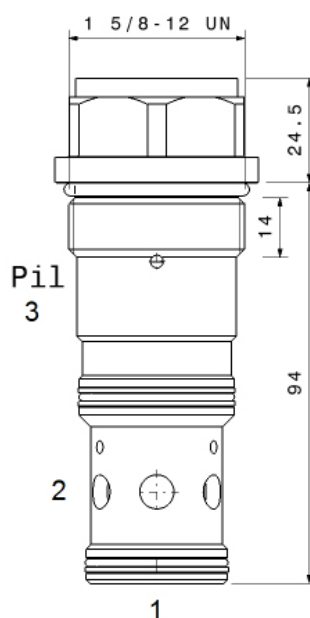
Valvola di blocco pilotata in chiusura a cartuccia
Check valve, pilot to close – cartridge type
mod. VBPC-20-C



Portata massima <i>Max flow</i>	150 l/min 40 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Rapporto di pilotaggio <i>Pilot Ratio</i>	2:1
Pressione di apertura <i>Cracking pressure</i>	2 bar 29 psi
Coppia di serraggio <i>Installation torque</i>	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 <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



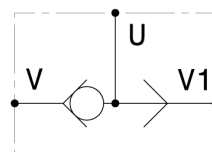
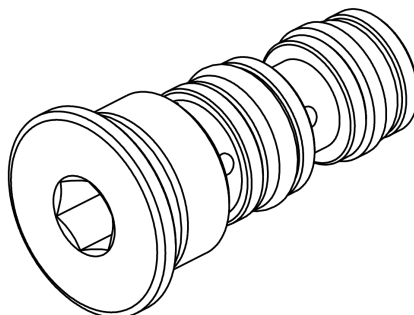
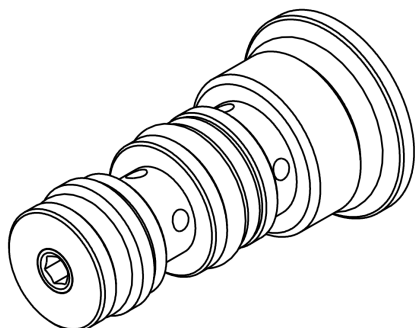
Sigla di ordinazione / Ordering code

VBPC-20-C

Modello
Type

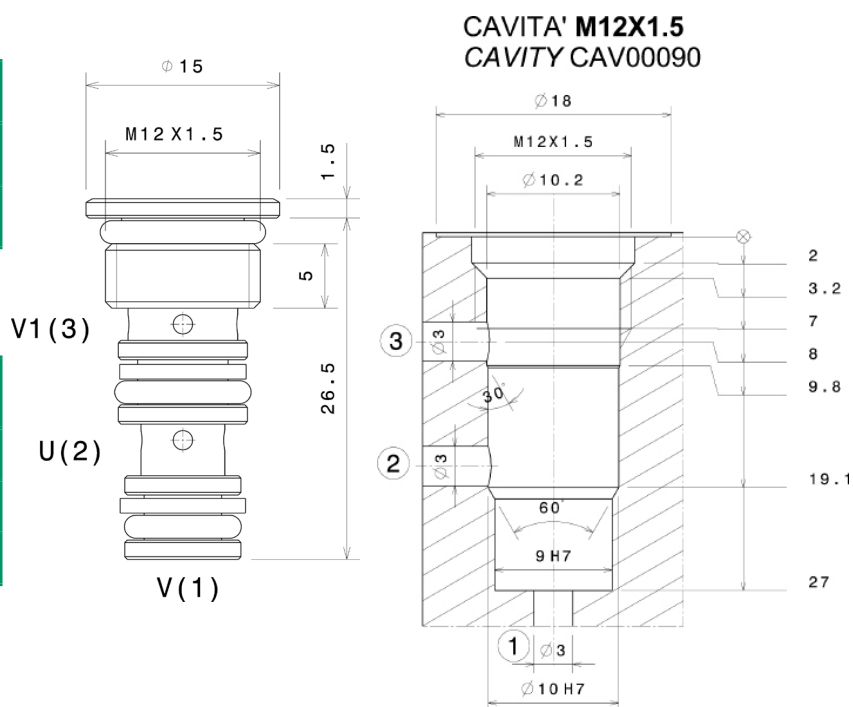
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola selettoria a cartuccia
Shuttle valve – cartridge type
mod. VS03-C M12x1.5



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

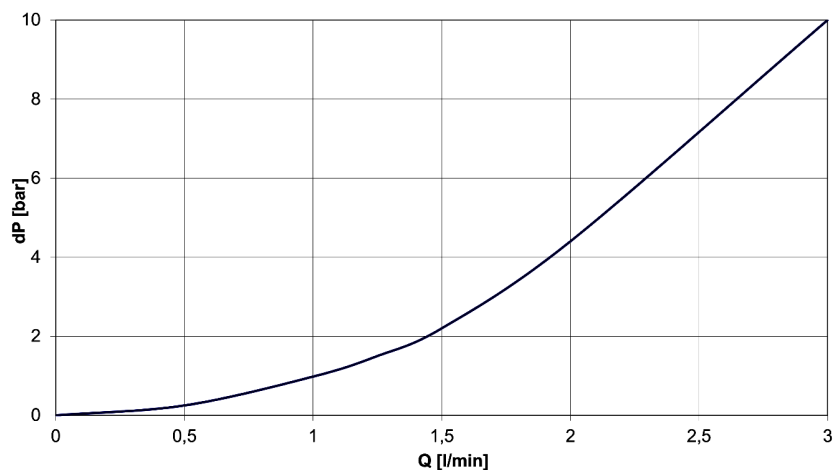
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C <i>Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C</i>	
Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione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



Sigla di ordinazione / Ordering code

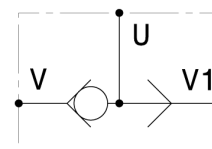
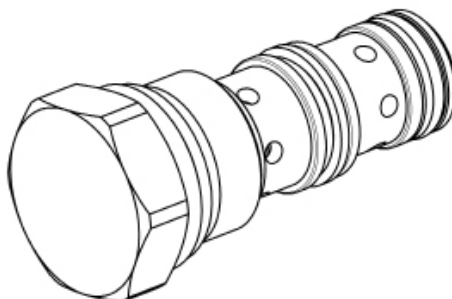
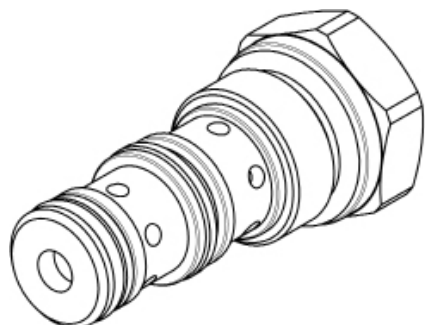
VS03-C M12X1.5

Modello
Type



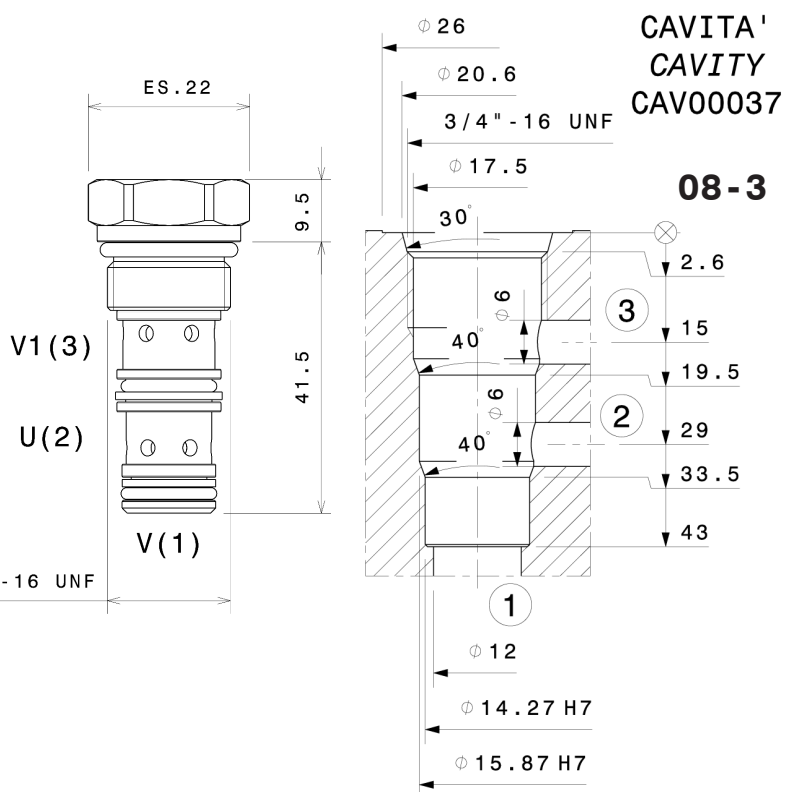
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola selettoria 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

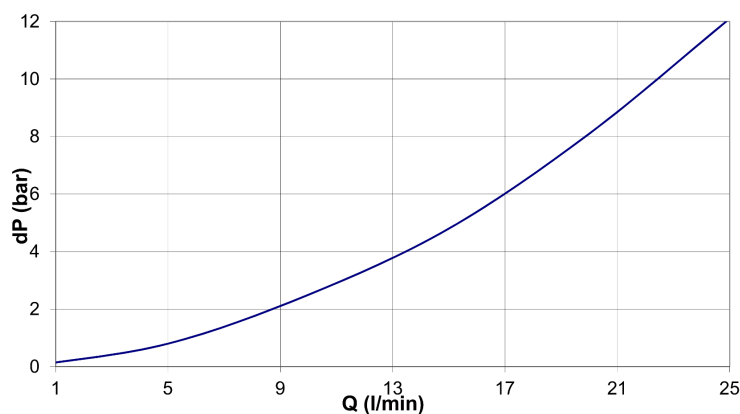
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute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



Sigla di ordinazione / Ordering code

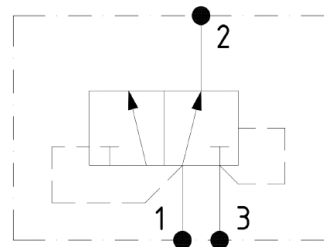
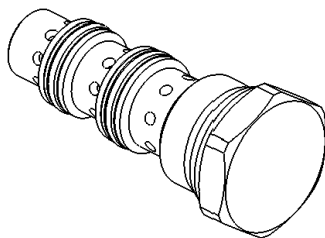
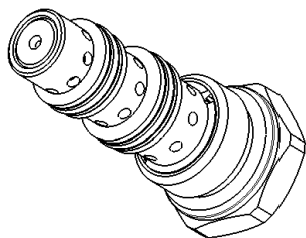
VS25-08-C

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.

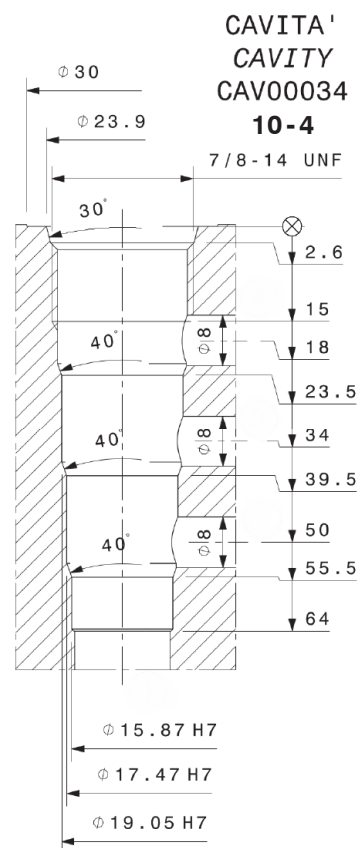
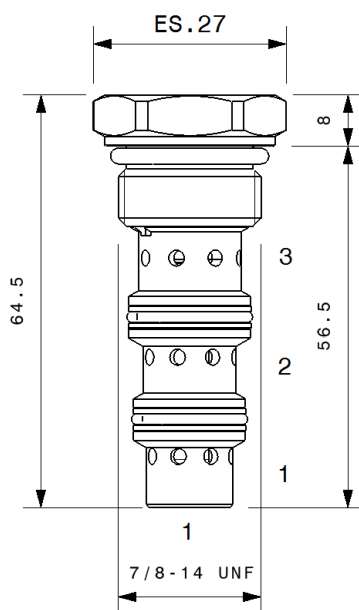
Valvola selettiva a spola a tre vie, due posizioni
 Two Position, 3 Way Shuttle Valve – spool type
 mod. VHS10-C



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



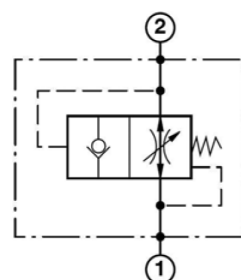
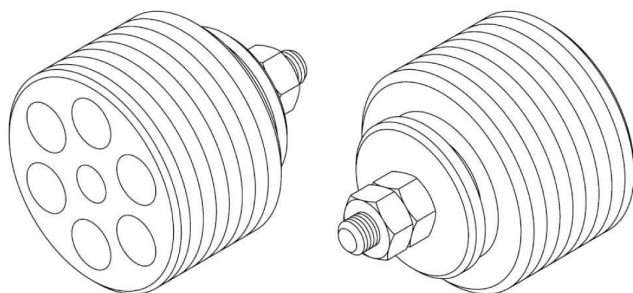
Sigla di ordinazione / Ordering code

VHS10-C

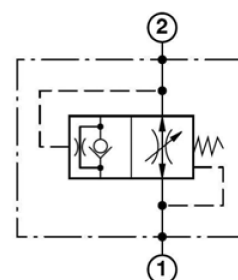
Modello
Type

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



Valvola di blocco completo
del carico
Load full lock valve



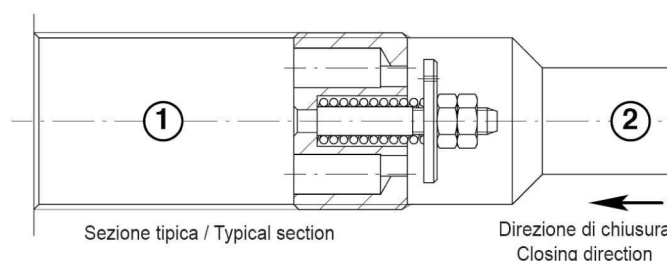
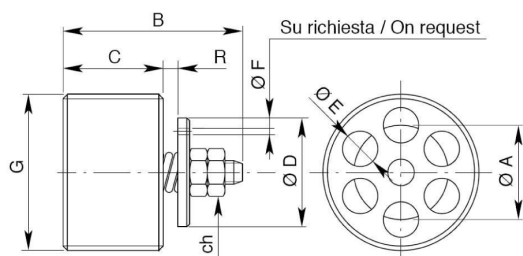
Valvola di abbassamento
lento del carico
Load slow motion valve

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).

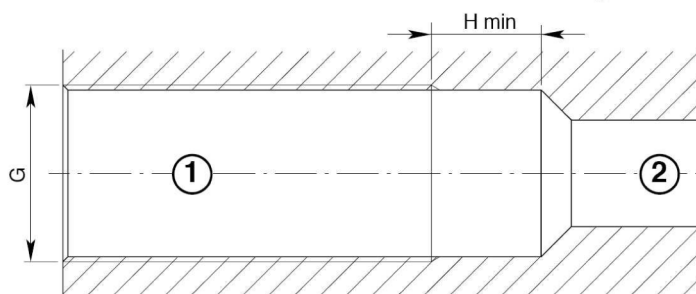
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil
with 30 cSt viscosity at 50°C

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



Sezione tipica / Typical section

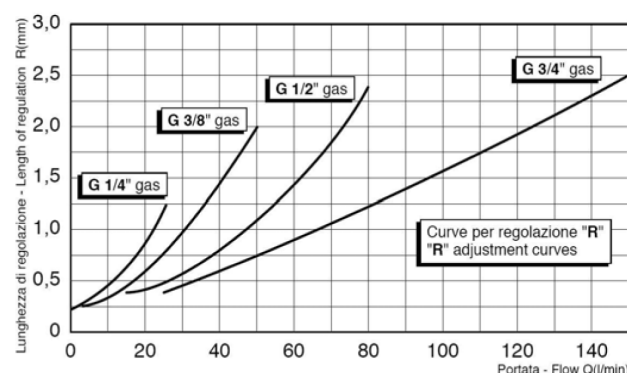
Direzione di chiusura
Closing direction



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

VPN-14	-
Modello Type	- standard gap "R" vedi tabella / see table R gap not standard (from 0.2 to 2.7)

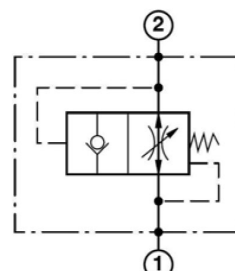
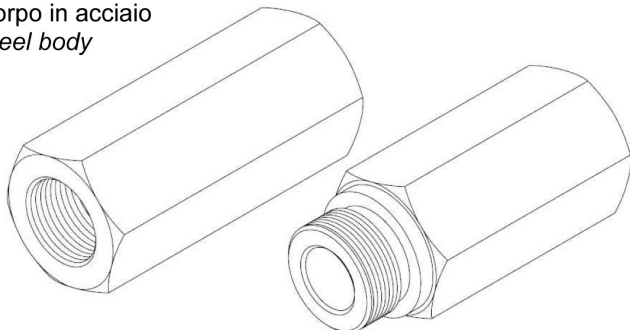


I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
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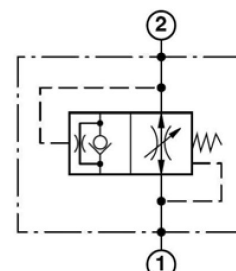
Valvola paracadute - colonnetta Hose burst valve

mod. VPN-MF / FF

Corpo in acciaio
Steel body



Valvola di blocco completo
del carico
Load full lock valve



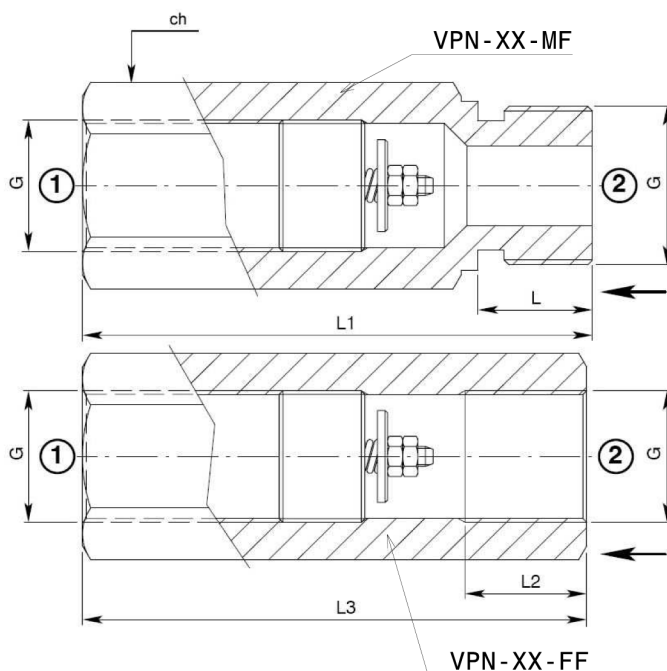
Valvola di abbassamento
lento del carico
Load slow motion valve

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
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

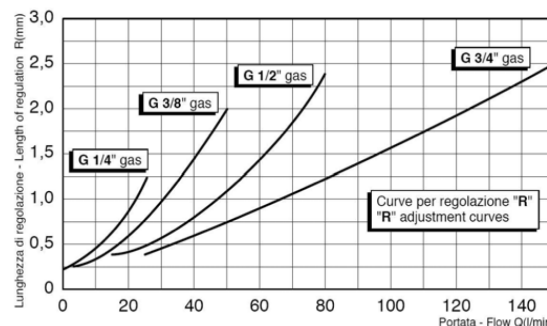


Modello Type	G	L	L1	L2	L3	Ch	Portata massima Max Flow	Pressione massima Max pressure
VPN-14-MF / VPN-14-FF	1/4" GAS	10	50	13	48	19	25 l/min 6.6 gpm	350 bar 5000 psi
VPN-38-MF / VPN-38-FF	3/8" GAS	12	55	13	52	22	50 l/min 13 gpm	350 bar 5000 psi
VPN-12-MF / VPN-12-FF	1/2" GAS	14	70	14	60	27	80 l/min 21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

VPN-14-FF

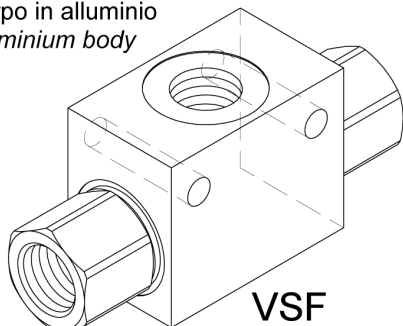
Modello
Type



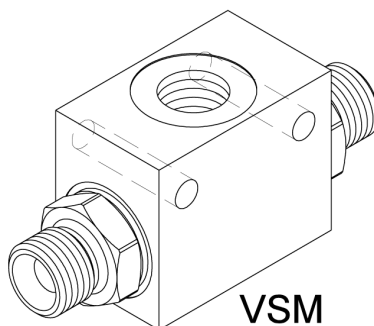
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola selettiva
Shuttle valve
mod. VSF / VSM

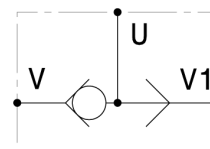
Corpo in alluminio
Aluminium body



VSF



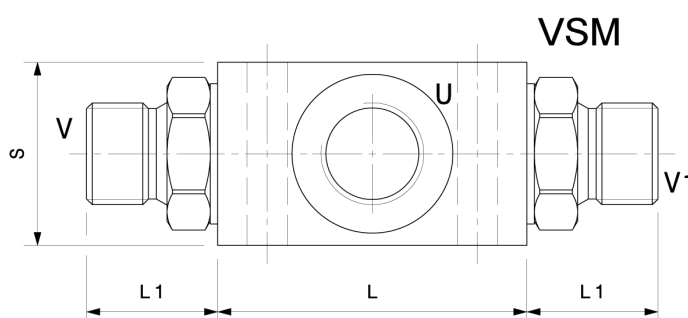
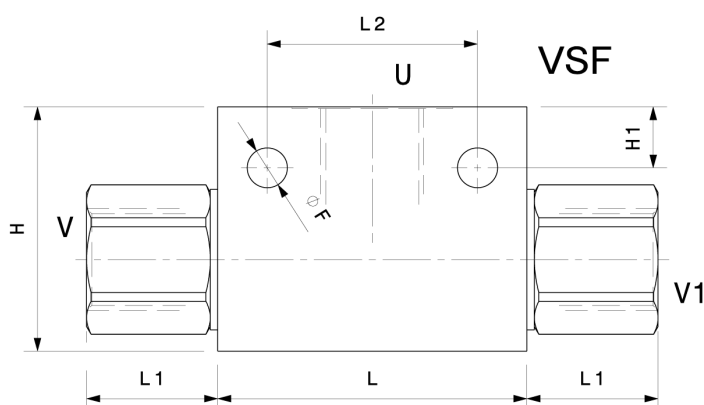
VSM



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
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



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

Sigla di ordinazione / Ordering code

VSM-38

Modello
Type

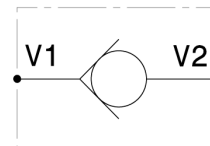
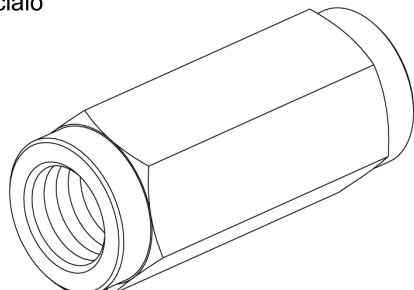
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola 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



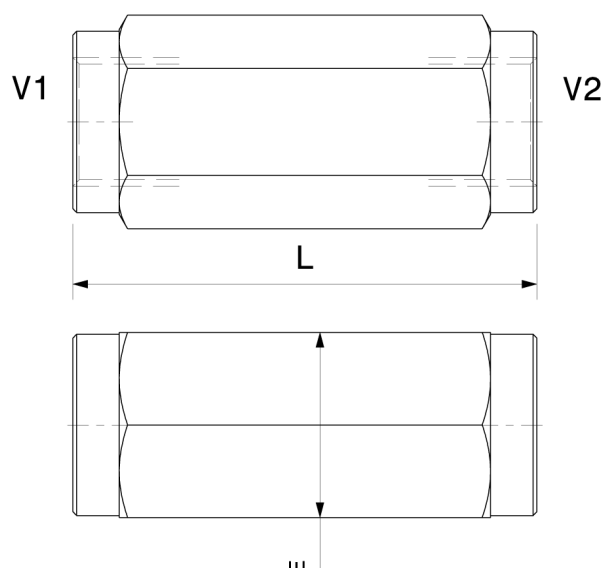
Modello Type	V1 V2	Portata massima Max Flow	Pressione massima Max pressure
VU14-SF	1/4" GAS	15 l/min 4 gpm	500 bar 7250 psi
VU38-SF	3/8" GAS	30 l/min 8 gpm	500 bar 7250 psi
VU12-SF	1/2" GAS	50 l/min 13 gpm	500 bar 7250 psi
VU34-SF	3/4" GAS	90 l/min 24 gpm	350 bar 5000 psi
VU14-SP	1/4" GAS	15 l/min 4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

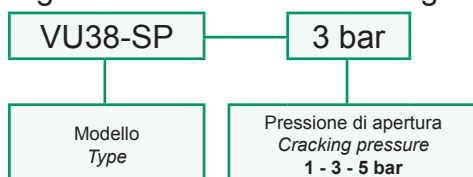
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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



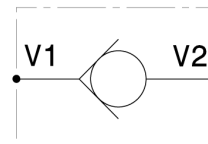
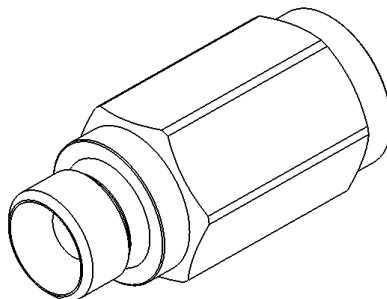
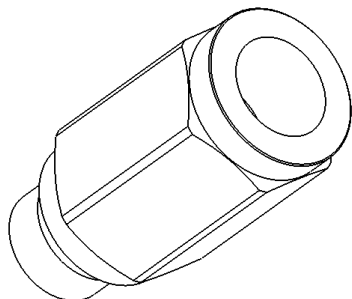
Dimensioni Dimensions	L	E
VU14-SF	55	ES. 19
VU38-SF	60	ES. 24
VU12-SF	70	ES. 27
VU34-SF	85	ES. 36
VU14-SP	55	ES. 19
VU38-SP	60	ES. 24
VU12-SP	70	ES. 27
VU34-SP	85	ES. 36
VU10-SP	100	ES. 41

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

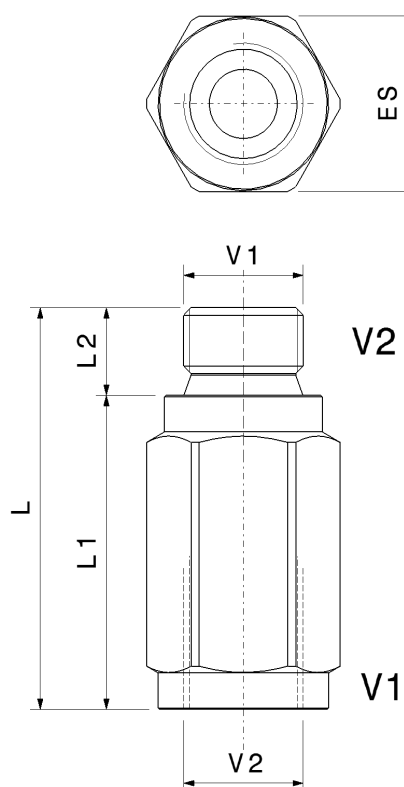
Modello Type	V1 V2	Portata massima Max Flow	Pressione massima Max pressure
VU14MF-SF	1/4" GAS	15 l/min 4 gpm	500 bar 7250 psi
VU38MF-SF	3/8" GAS	30 l/min 8 gpm	500 bar 7250 psi
VU12MF-SF	1/2" GAS	50 l/min 13 gpm	500 bar 7250 psi
VU34MF-SF	3/4" GAS	90 l/min 24 gpm	350 bar 5000 psi
VU14MF-SP	1/4" GAS	15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

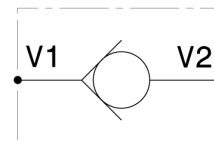
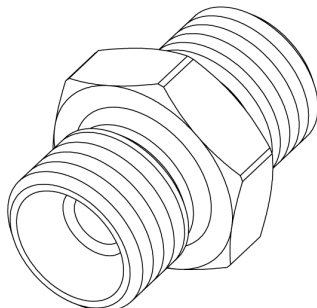
Sigla di ordinazione / Ordering code

VU38MF-SP	3 bar
Modello Type	Pressione di apertura Cracking pressure 1 - 3 - 5 bar

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

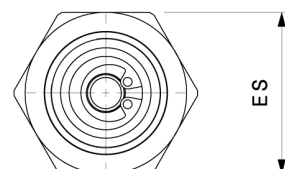
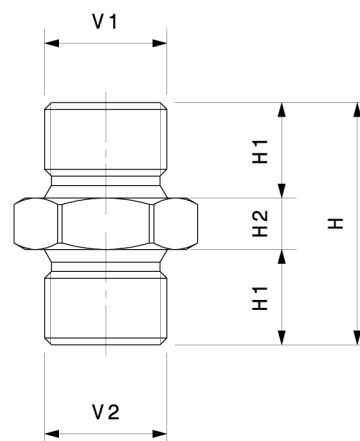


Modello Type	V1 V2	Portata massima Max Flow	Pressione massima Max pressure
VU38-MM	3/8" GAS	25 l/min 6.5 gpm	350 bar 5000 psi
VU12-MM	1/2" GAS	40 l/min 10.5 gpm	350 bar 5000 psi

Pressione di apertura Cracking pressure	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 Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	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

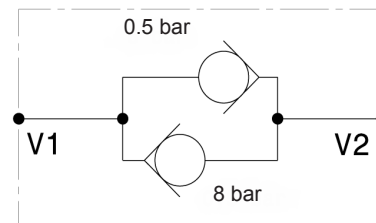
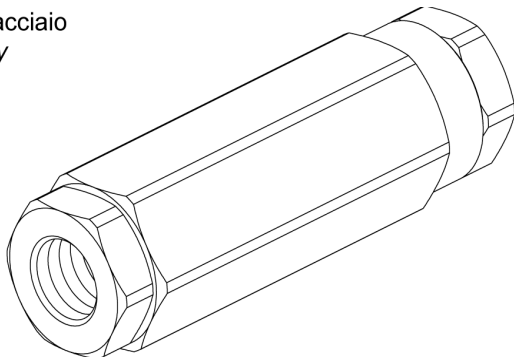
VU38-MM

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

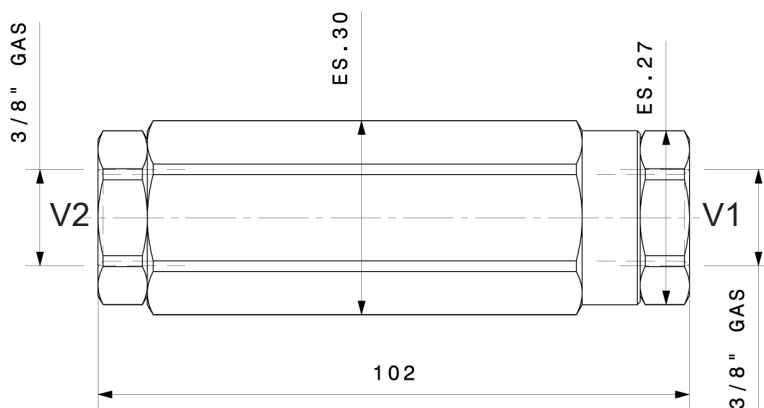
Corpo in acciaio
Steel body



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
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



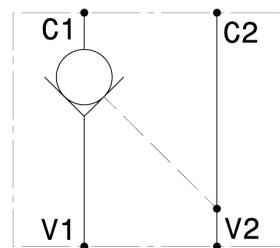
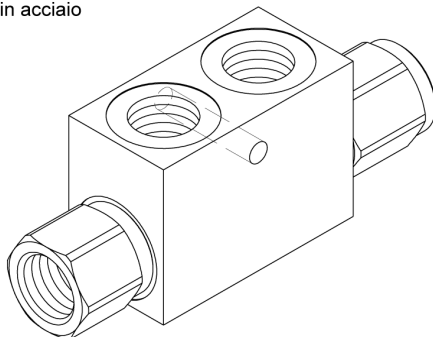
Sigla di ordinazione / Ordering code

VBD-E-38	-
Modello <i>Type</i>	- 8 bar (standard) 12 bar su richiesta <i>upon request</i>

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 a sfera o a cono
Single effect, pilot operated check valve, ball or poppet type
mod. VBS-SF (sfera – ball) / VBS-SP (cono – poppet)

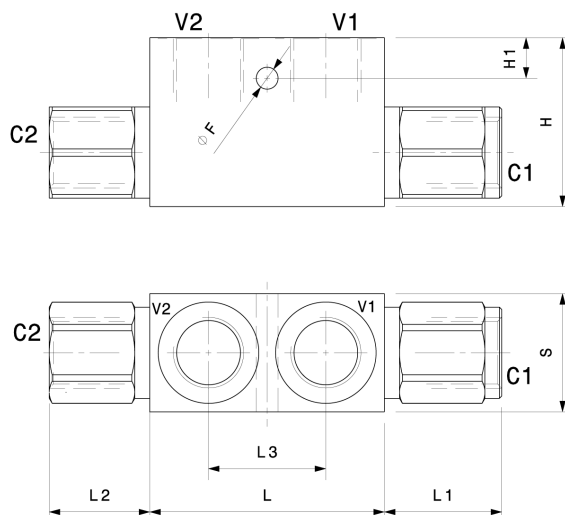
Versione con corpo in alluminio o in acciaio
Aluminium or steel body version



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

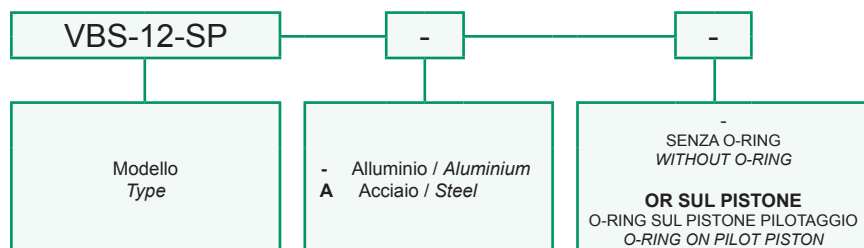
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

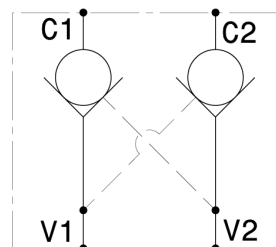
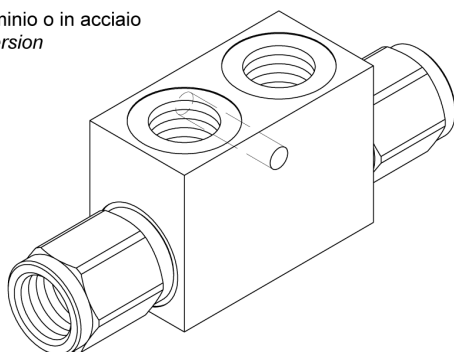
Sigla di ordinazione / Ordering code



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)

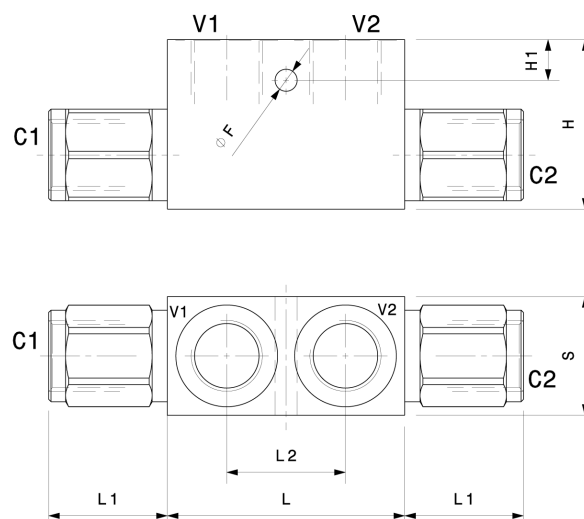
Versione con corpo in alluminio o in acciaio
Aluminium or steel body version



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

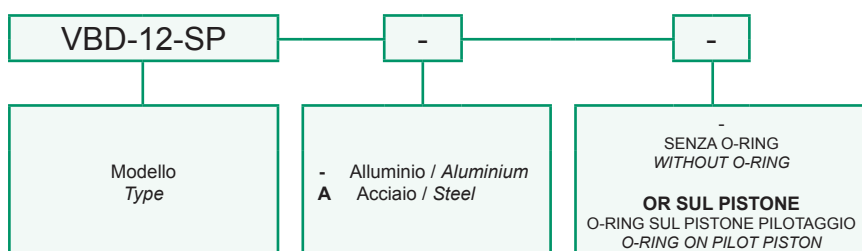
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

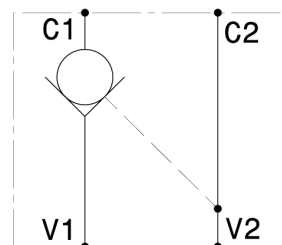
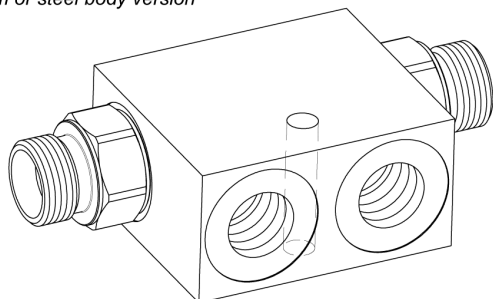
Sigla di ordinazione / Ordering code



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

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)

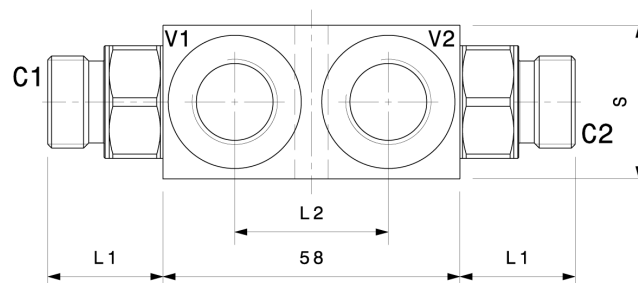
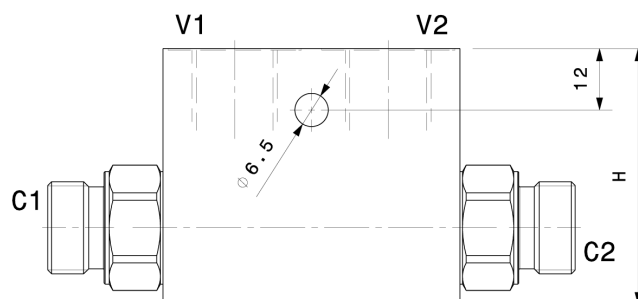
Versione con corpo in alluminio o in acciaio
Aluminium or steel body version



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

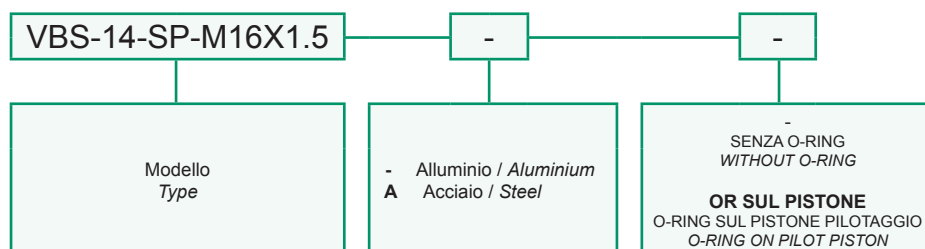
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura 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

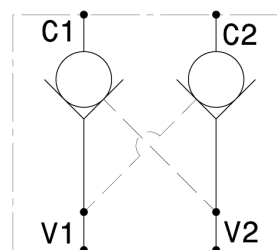
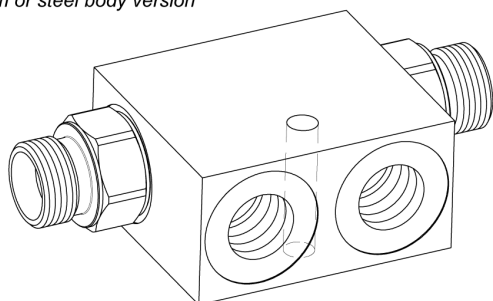
Sigla di ordinazione / Ordering code



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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-M (sfera – ball) / VBD-SP-M (cono – poppet)

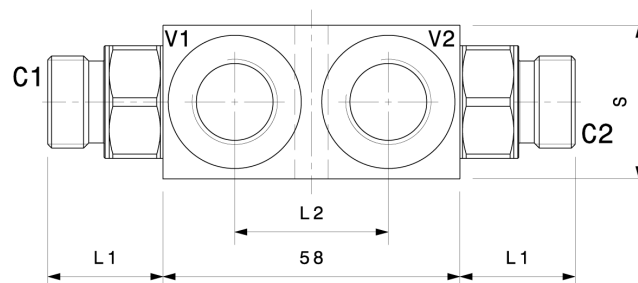
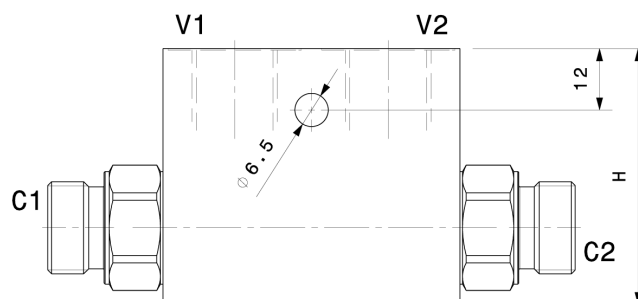
Versione con corpo in alluminio o in acciaio
Aluminium or steel body version



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

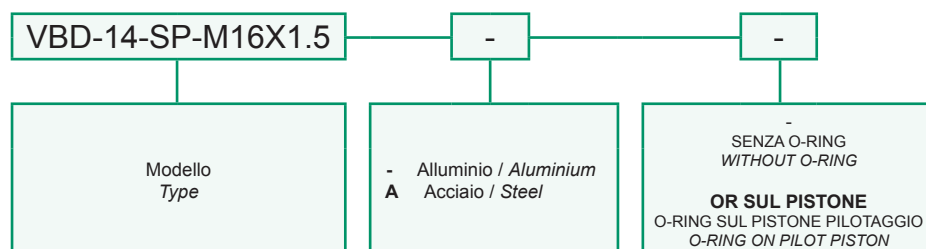
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura 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

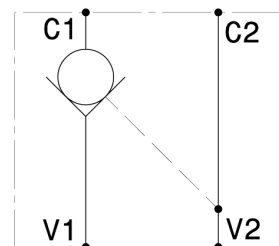
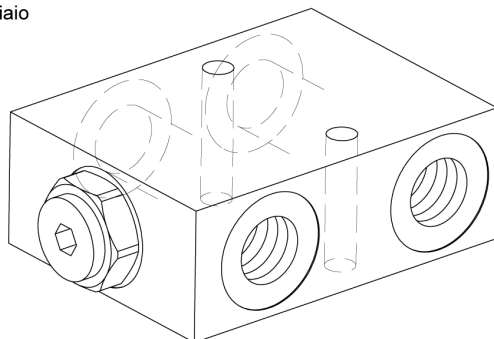
Sigla di ordinazione / Ordering code



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

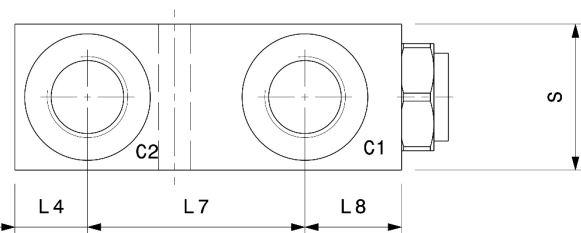
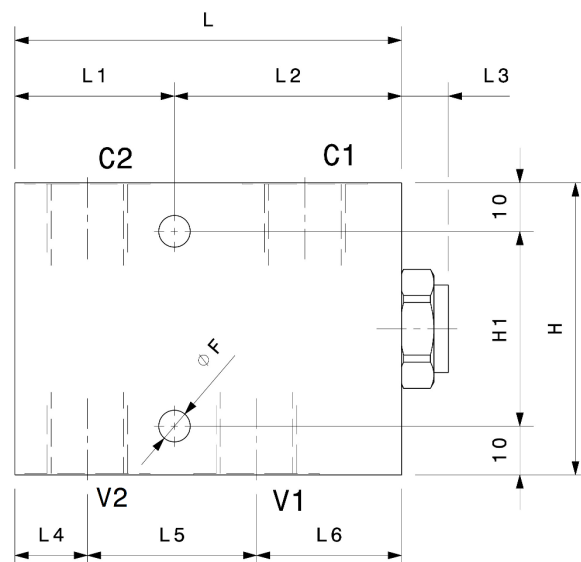
Versione con corpo in alluminio o in acciaio
Aluminium or steel body version



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

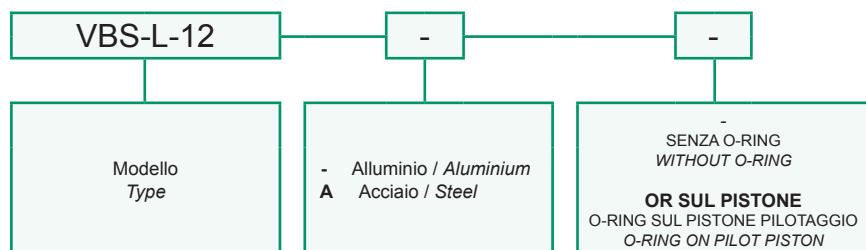
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

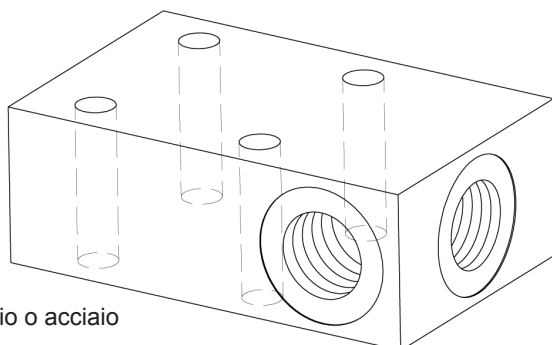
Sigla di ordinazione / Ordering code



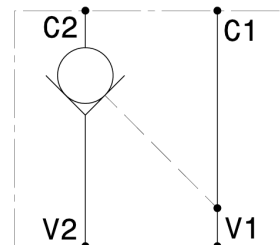
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

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

mod. VBS-L-F



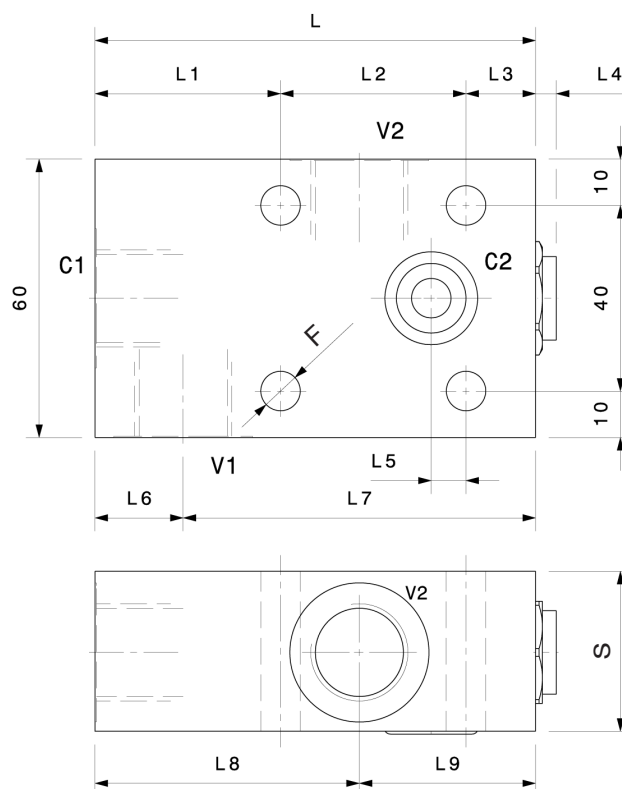
Corpo in alluminio o acciaio
Steel or aluminium body



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

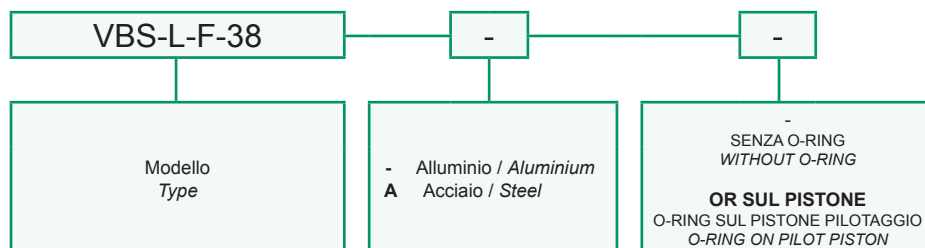
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

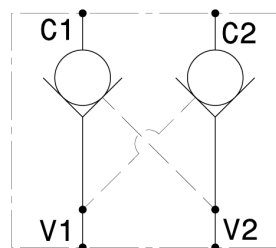
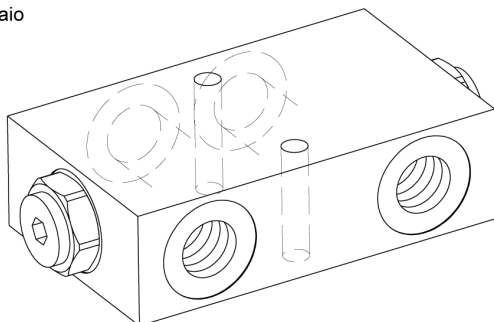


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

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

mod. VBD-L

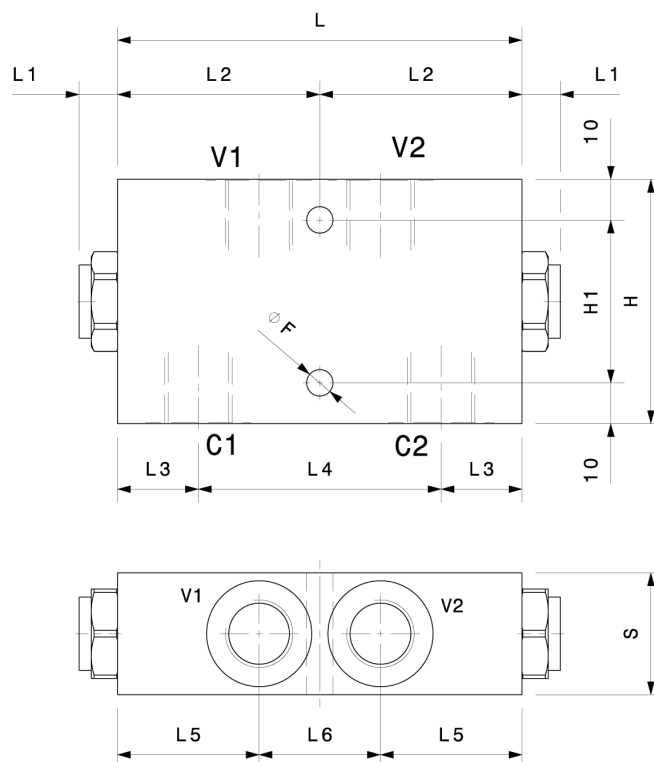
Versione con corpo in alluminio o in acciaio
Aluminium or steel body version



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

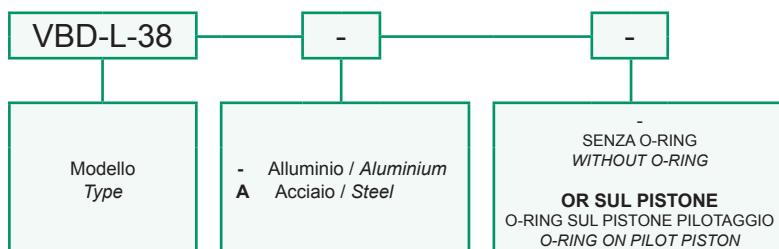
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

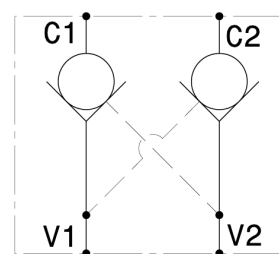
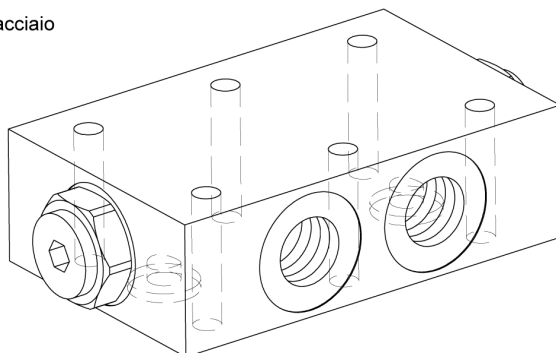


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola di blocco pilotata a doppio effetto flangiabile
Flangeable, double effect, pilot operated check valve

mod. VBD-L-F

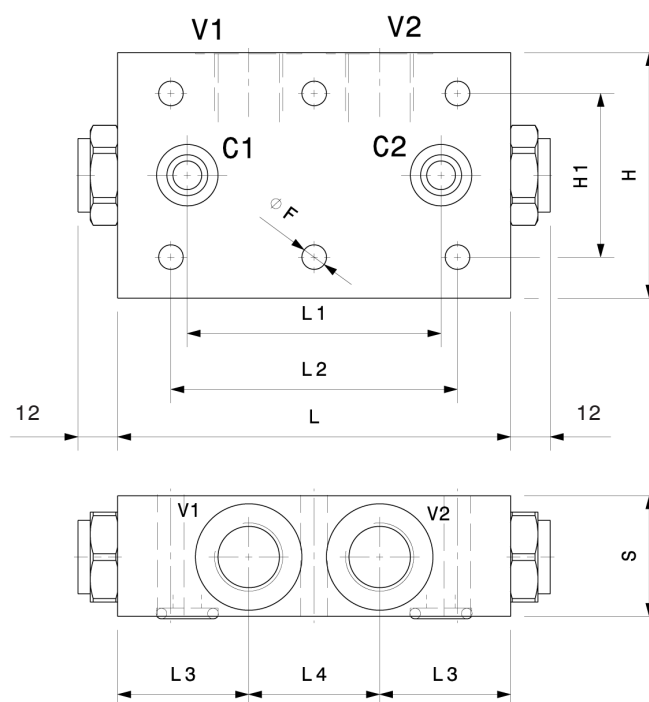
Versione con corpo in alluminio o in acciaio
Aluminium or steel body version



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

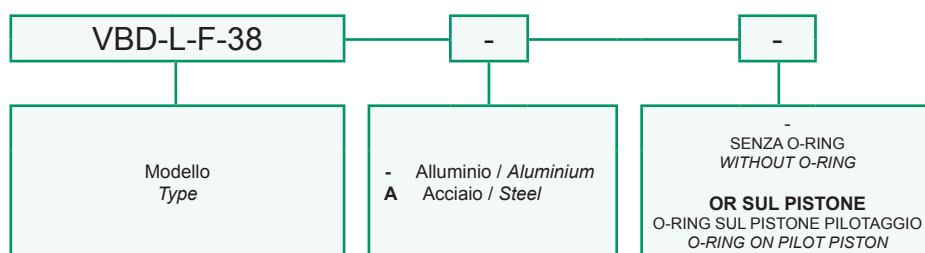
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

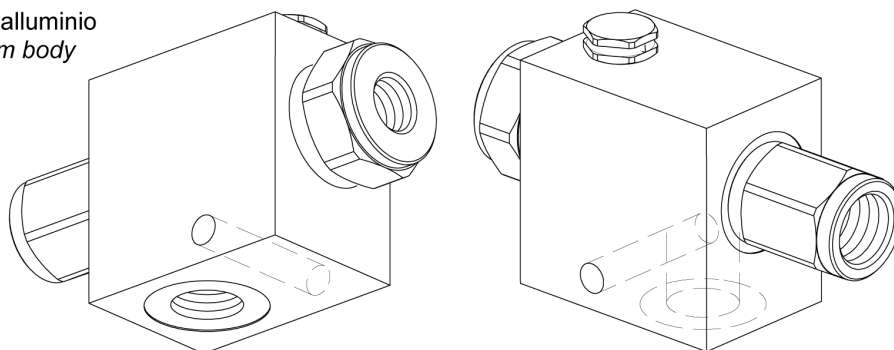


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

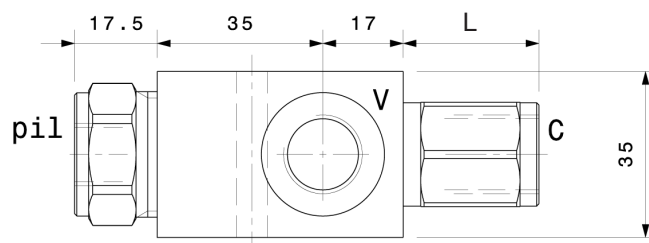
Valvola di blocco semplice effetto con pilotaggio separato
Pilot operated check valve with vented pilot

mod. VBS-L-PS

Corpo in alluminio
Aluminium body

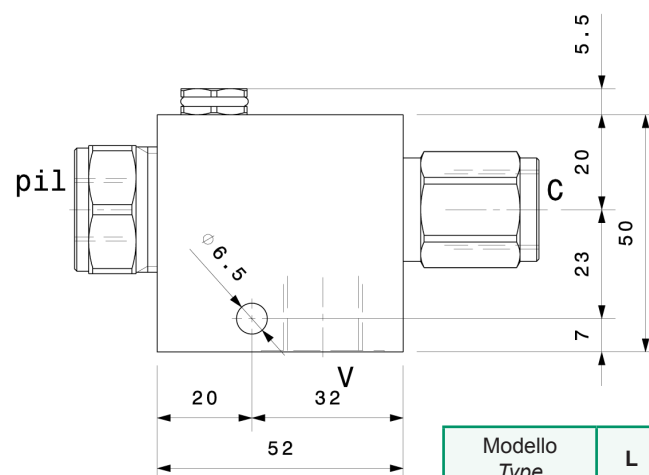


Modello Type	V C	Pil	Rapporto di pilotaggio Pilot ratio	Portata massima Max Flow	Pressione massima Max pres- sure	Pressione di apertura Cracking pressure
VBS-L-PS-14	1/4" GAS	1/4" GAS	11:1	20 l/min 5.3 gpm	350 bar 5000 psi	3 bar 43 psi
VBS-L-PS-38	3/8" GAS	1/4" GAS	11:1	35 l/min 9 gpm	350 bar 5000 psi	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 Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	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

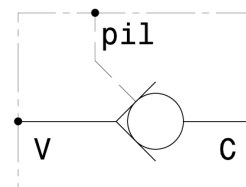
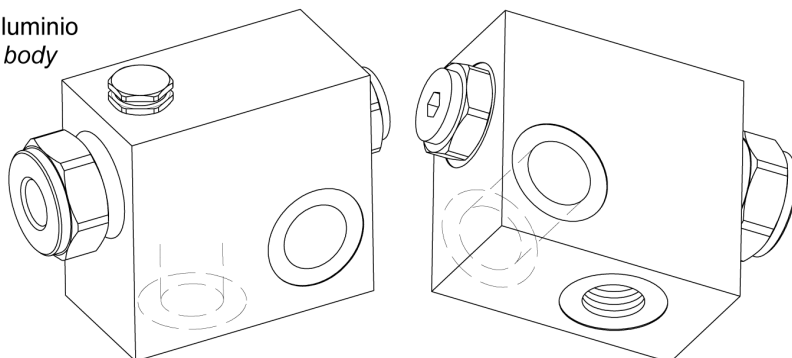
VBS-L-PS-38

Modello
Type

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 semplice effetto flangiabile con pilotaggio separato
Flangeable pilot operated check valve with vented pilot
mod. VBS-F-PS

Corpo in alluminio
Aluminium body

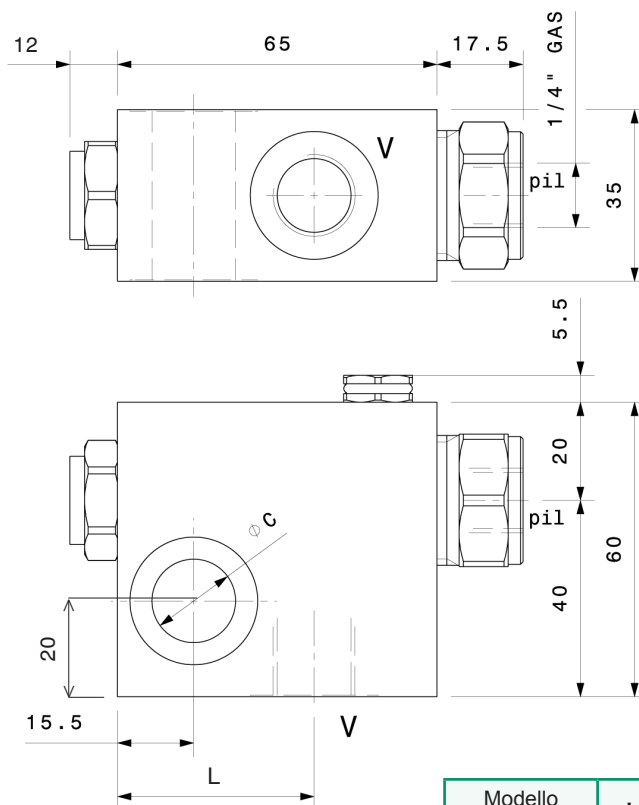


Modello Type	V	C Ø	Rapporto di pilotaggio Pilot ratio	Portata massima Max Flow	Pressione massima Max pressure	Pressione di apertura Cracking pressure
VBS-F-PS-38	3/8" GAS	17	11:1	35 l/min 9 gpm	350 bar 5000 psi	8 bar 115 psi
VBS-F-PS-12	1/2" GAS	21	11:1	50 l/min 13 gpm	350 bar 5000 psi	8 bar 115 psi

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



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

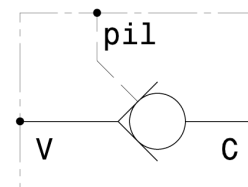
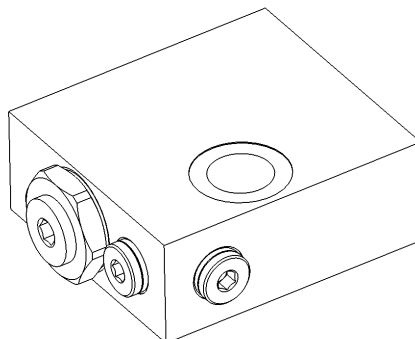
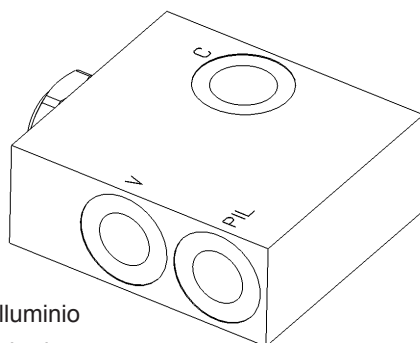
Sigla di ordinazione / Ordering code

VBS-F-PS-38

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 di blocco pilotata semplice effetto flangiabile
Flangeable pilot operated check valve
mod. VBS-F-38



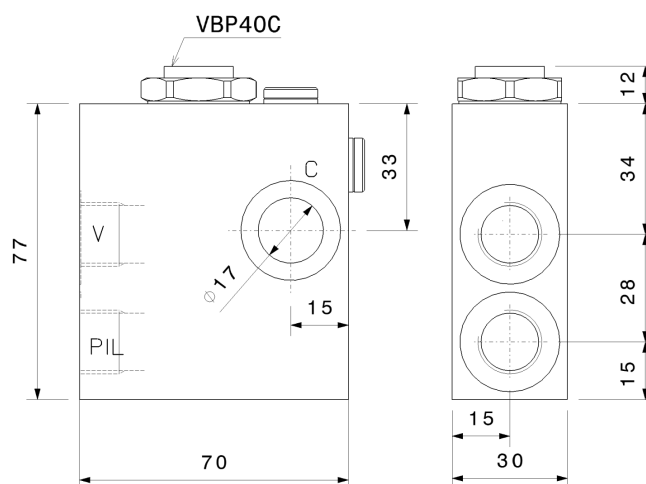
Corpo in alluminio
Aluminium body

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

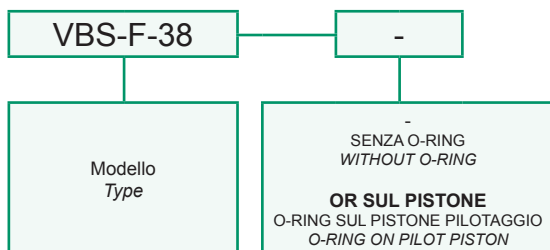
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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 <i>Nipple screw available upon request</i>	Modello Type	Codice di ordinazione Ordering code
	VBS-F-38	KITV0001



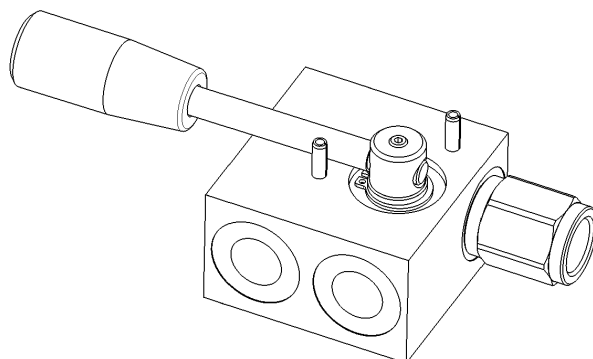
Sigla di ordinazione / Ordering code



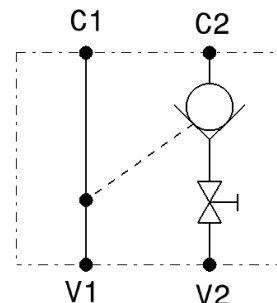
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola di blocco pilotata a semplice effetto con rubinetto manuale, tenuta a sfera o a cono - destro
Single effect, pilot operated check valve with manual lever,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

mod. VBS-R-D



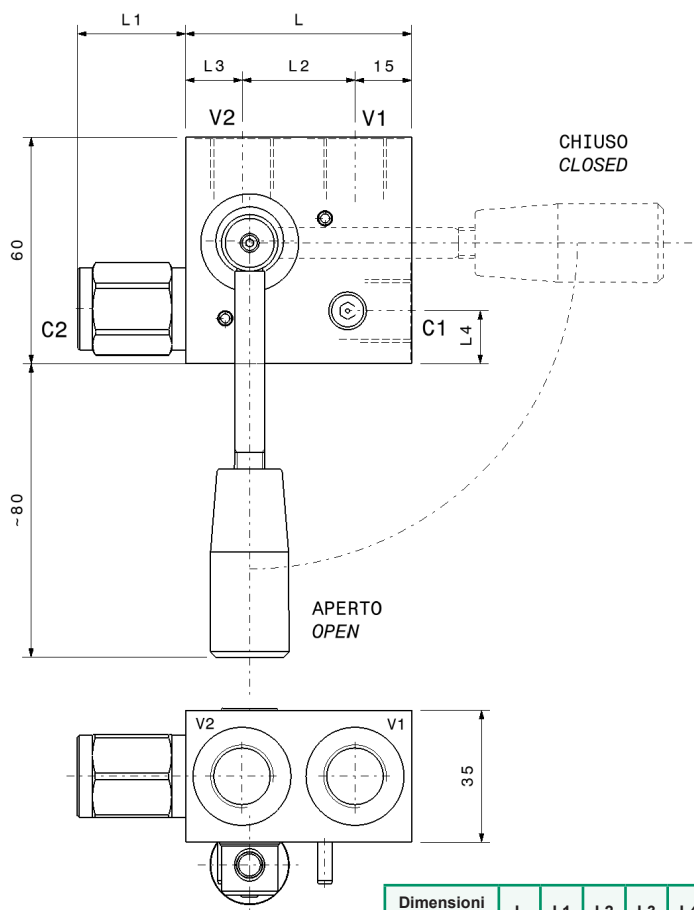
Corpo in alluminio
Aluminium body



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

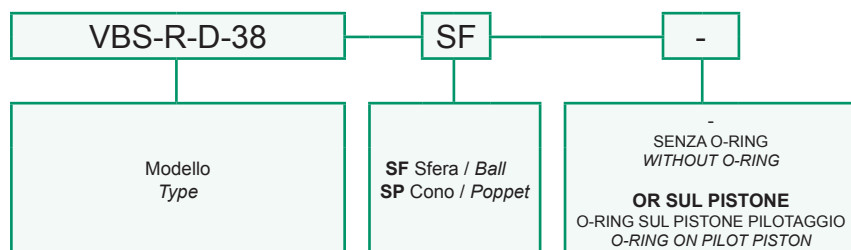
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

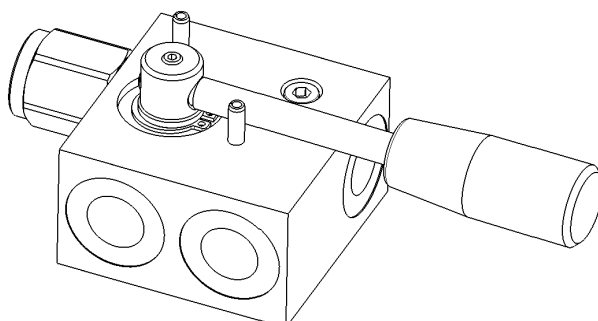
Sigla di ordinazione / Ordering code



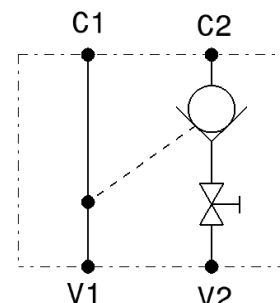
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

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



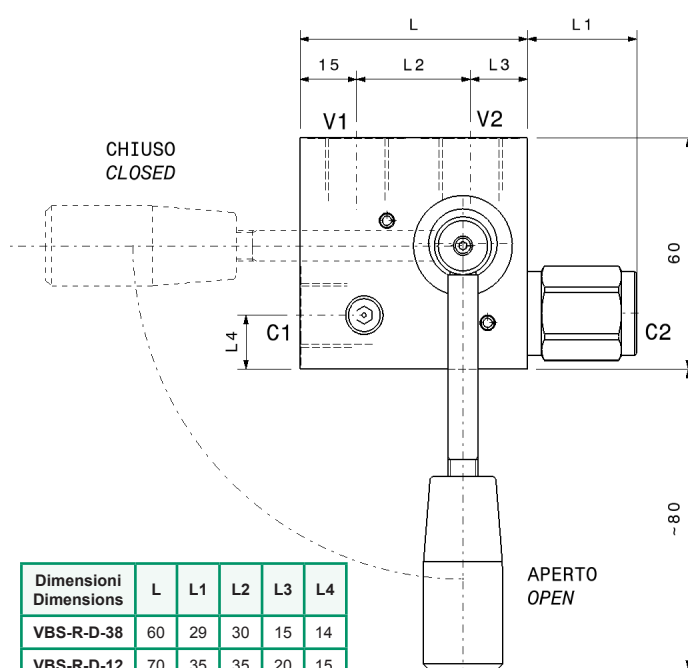
Corpo in alluminio
Aluminium body



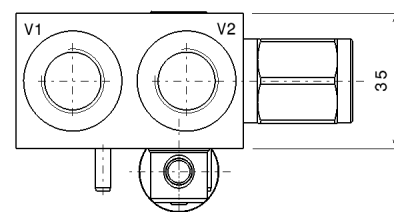
Modello Type	V	Rapporto di pilotaggio Pilot ratio	Portata massima Max Flow	Pressione massima Max pressure	Pressione di apertura Cracking pressure
VBS-R-S-38	3/8" GAS	4:1	35 l/min 9 gpm	300 bar 4300 psi	3 bar 43 psi
VBS-R-S-12	1/2" GAS	4:1	50 l/min 13 gpm	300 bar 4300 psi	1 bar 14.5 psi

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
Temperatura 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



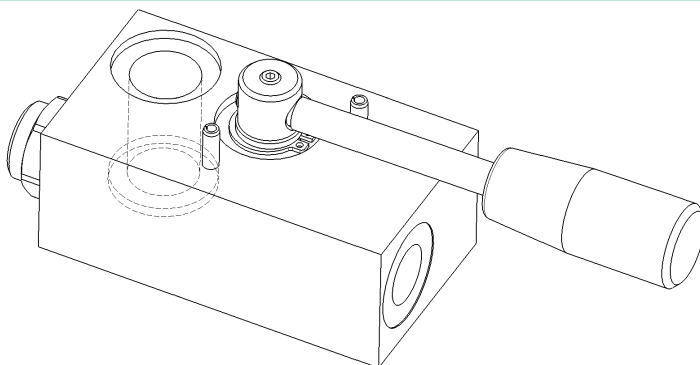
Sigla di ordinazione / Ordering code

VBS-R-S-38	SF	-
Modello Type	SF Sfera / Ball SP Cono / Poppet	- SENZA O-RING WITHOUT O-RING OR SUL PISTONE O-RING SUL PISTONE PILOTAGGIO O-RING ON PILOT PISTON

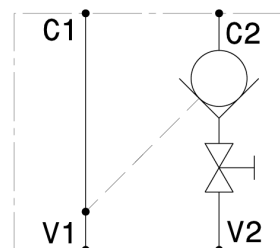
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola di blocco pilotata a semplice effetto 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

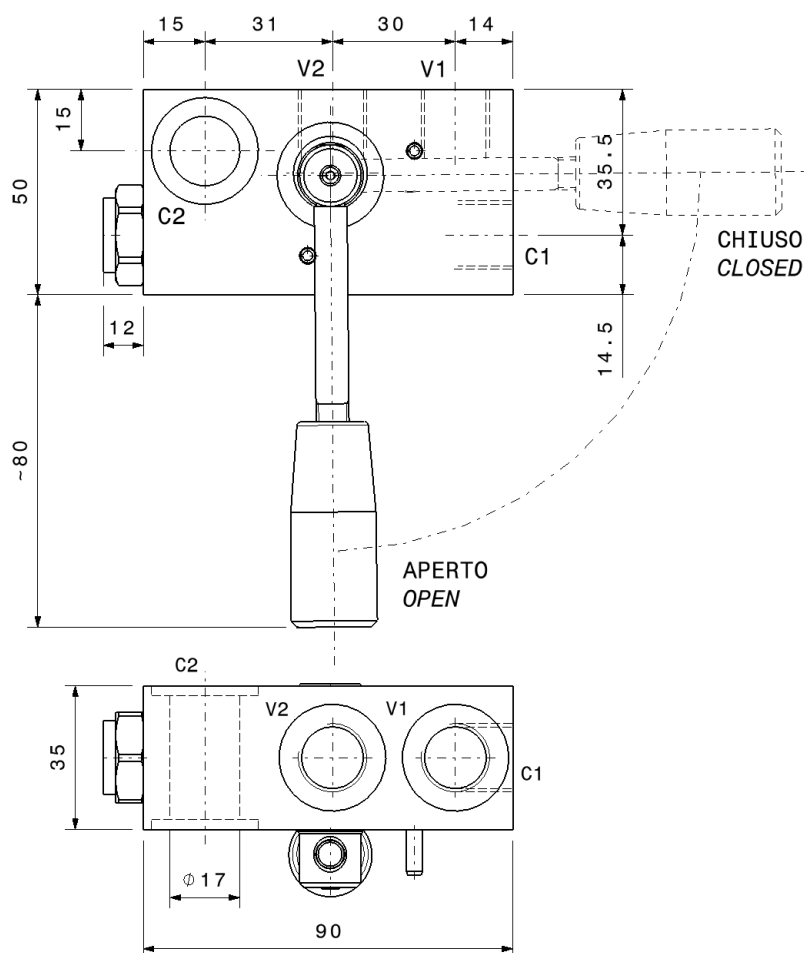


Portata massima <i>Max flow</i>	35 l/min 9 gpm
Pressione massima <i>Max pressure</i>	300 bar 4300 psi
Pressione di apertura <i>Cracking pressure</i>	3 bar 43 psi
Rapporto di pilotaggio <i>Pilot Ratio</i>	4:1

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
Temperatura 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



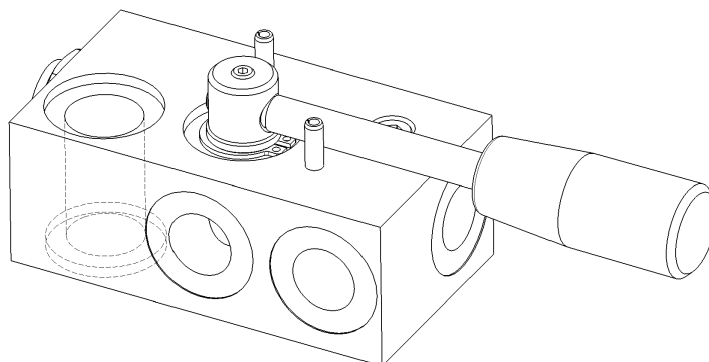
Sigla di ordinazione / Ordering code

VBS-F-R-D-38	-
Modello <i>Type</i>	SENZA O-RING <i>WITHOUT O-RING</i> OR SUL PISTONE <i>O-RING ON PILOT PISTON</i>

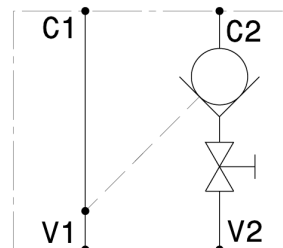
I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola di blocco pilotata a semplice effetto 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

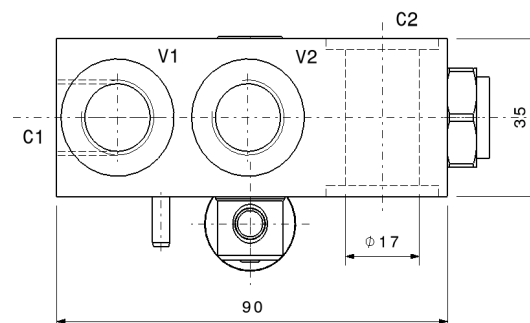
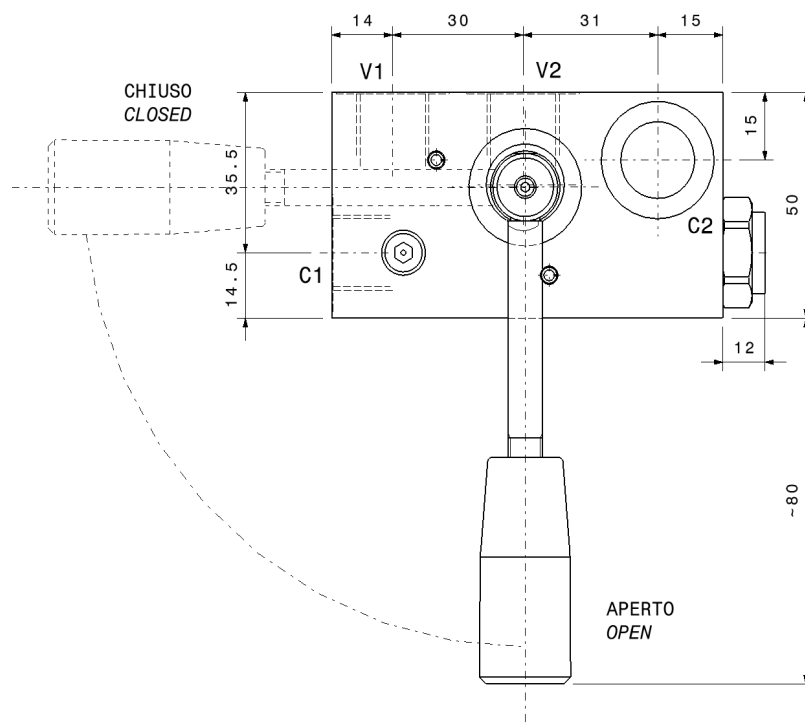


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Vite cava disponibile a richiesta <i>Nipple screw available upon request</i>	Codice di ordinazione <i>Ordering code</i>
	KITV0001



Sigla di ordinazione / Ordering code

VBS-F-R-S-38 -

Modello
Type

SENZA O-RING
WITHOUT O-RING
OR SUL PISTONE
O-RING SUL PISTONE PILOTAGGIO
O-RING ON PILOT PISTON

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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