



Valvole per il controllo della pressione

Pressure control valves



VALVOLE PER IL CONTROLLO DELLA PRESSIONE PRESSURE CONTROL VALVES

Valvole di massima pressione: sono normalmente chiuse e mantengono una differenza di pressione costante tra l'entrata e lo scarico. Sono generalmente tarabili in un ampio campo di pressione e vengono utilizzate per limitare la pressione in un circuito o abbattere i picchi di pressione che potrebbero danneggiare i componenti del sistema: per esempio pompe, motori, cilindri, valvole, tubazioni.

In funzione delle caratteristiche costruttive si distinguono in:

- Dirette con sede di tenuta a otturatore conico
- Dirette con otturatore differenziale
- Dirette compensate in pressione
- Ad azione pilotata con otturatore a spola

Valvole di massima pressione doppie incrociate: installate tra due linee A e B di un attuatore bi-direzionale, esse proteggono il distributore o l'attuatore stesso dai picchi di pressione indotti dalle rapide inversioni del movimento o da bruschi arresti.

In caso di attuatori con cilindrate simmetriche nelle due direzioni, ciascuna sezione della valvola può scaricare direttamente nel ramo opposto, anche con distributore a centro chiuso. In caso di non simmetria è necessario consentire lo smaltimento a scarico della portata olio eccedente e di installare valvole anticavitazione.

Valvole riduttrici di pressione: alimentate da un circuito principale, esse erogano una pressione ridotta che viene mantenuta pressoché costante, e che viene utilizzata per alimentare un circuito secondario.

La pressione ridotta è registrabile in un ampio campo di regolazione ed è determinata dalla forza della molla (registrabile) incrementata dalla eventuale contropressione presente nell'attacco di drenaggio al serbatoio.

Il drenaggio al serbatoio è sempre presente nelle valvole riduttrici nelle quali, in alcune versioni, incorporano anche una funzione di "valvola di massima" che scarica al serbatoio l'olio del circuito secondario. Possono avere una valvola unidirezionale per il ritorno libero

Valvole di sequenza: utilizzata principalmente per far funzionare in sequenza due cilindri: al raggiungimento di un determinato valore di taratura, la valvola si apre e va ad alimentare un secondo attuatore. La valvola di ritegno permette il libero passaggio del flusso nella direzione opposta. E' indicata su impianti dove la pressione sull'attuatore secondario sia limitata, in quanto le pressioni si sommano.

Possono essere ad azione diretta, ad area differenziale e compensate in pressione.

Valvole di esclusione alta-bassa pressione: in un circuito alimentato da due pompe in parallelo, valvola utilizzata per mandare a scarico la pompa di maggiore portata al raggiungimento di un determinato valore di taratura. Da questo momento in poi l'attuatore lavora con la pompa di minor portata a pressione maggiore, consumando meno energia.

Relief Valves are normally closed valves designed to maintain a constant pressure difference between inlet and outlet they are generally adjustable in a wide pressure range, and they are employed in order to limit the pressure in a circuit or to relief pressure peaks which could damage components of the system such as: pumps, motors, cylinders, valves, hoses. According to their design characteristics they can be classified by:

- Direct acting poppet type
- Direct acting with differential piston
- Direct acting pressure compensated
- Pilot operated spool type

Dual Cross-over relief valves are fitted between two lines A and B of a two-way actuator and they protect the actuator or the directional valve from pressure rises or peaks induced by changes in direction or sudden stops. In case of actuators having symmetrical displacements in both directions, each section of the valve can relief the oil into the opposite line directly, also with closed centre directional spool.

In case of non-symmetry it is necessary to allow relieving to tank of excess oil, and provide anti-cavitation checks.

Pressure reducing valves supply controlled constant low pressure to a secondary circuit derived from a primary high pressure circuit. The reduce pressure is adjustable in a wide range and it is determined by the spring force increased by the back pressure present at the tank port. The tank port is always present in these valves. They can incorporate a check valve for free flow in the opposite direction.

Sequence valves are used when there is the need to provide priority or a sequenced series of operations, when either the end of stroke position or a certain pressure is reached in a hydraulic circuit. A built-in reverse flow check valve by-passes this operation in the opposite direction. They are also used as relief valves in circuits where restrictions in the downstream line, would cause high back pressure.

These valves should be located between the primary and secondary actuator, which will operate when the selected pressure of the primary circuit is reached.

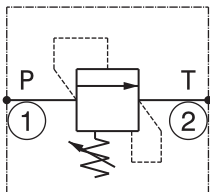
Sequence valves could be direct acting, differential area piston and pressure compensated.

High Low pressure relief and unloading valves are used in a two parallel-working pumps circuit in order to release the excess of the higher flow pump to the tank when a certain setting is reached. From this moment on, the actuator works with the lower flow pump at higher pressure, consuming less energy.

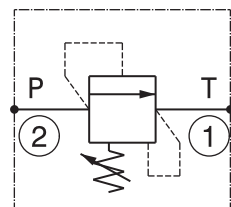
INDICE PER TIPO DI VALVOLA INDEX BY VALVE TYPE

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

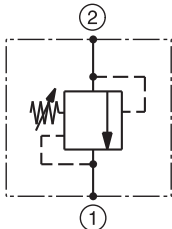
Valvola limitatrice di pressione a cartuccia Direct acting relief valve - cartridge type

	VLP5-C	5	400	98
	VLP10-C	10	350	99
	VLP20-C	20	350	100
	VLP18-C	30	350	101
	VLP30-C	30	350	102
	VLP40-C	40	350	103
	VLP4008-C	40	350	104
	VLP22-C	40	350	105
	VLP45-C	45	350	106
	VLP4010-C	70	350	107
	VLP80-C	80	350	108
	VLP85-C	85	350	109

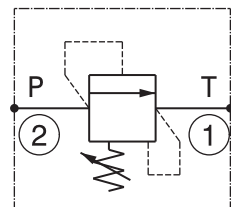
Valvola limitatrice di pressione diretta con pistone differenziale, a cartuccia Direct acting differential piston relief valve – cartridge type

	VLPD40-C	50	350	110
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Valvola limitatrice di pressione diretta con pistone differenziale, a cartuccia Direct acting differential piston relief valve – cartridge type

	VLPD08-C	40	350	111
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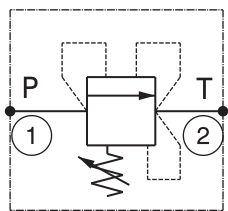
Valvola limitatrice di pressione diretta con pistone differenziale, a cartuccia Direct acting differential piston relief valve – cartridge type

	VLPD10-C	80	350	112
	VLP130-CD	130	350	113
	VLP150-CD	150	350	114
	VLP20016-CD	200	350	115
	VLP40020-CD	400	350	116

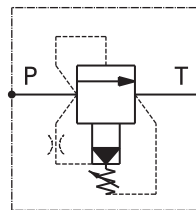
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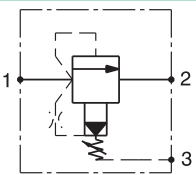
Valvola limitatrice di pressione diretta a cartuccia, compensata in pressione Pressure compensated, direct acting relief valve – cartridge type

	VLP40-CC	40	350	117
	VLP45-CC	45	350	118
	VLP80-CC	80	350	119
	VLP130-CC	130	350	120

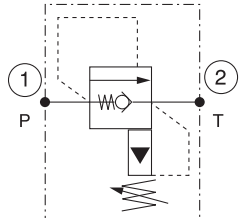
Valvola limitatrice di pressione pilotata a cartuccia Pilot operated pressure relief valve – cartridge type

	VLPP-T10-C	90	350	121
	VLPP-10-C	100	350	122
	VLPP-12-C	170	350	123
	VLPP-16-C	300	350	124
	VLPP-20-C	400	350	125
	VLPP-60-C	90	350	126
	VLPP-150-C	150	350	127
	VLPP-200-PC	200	350	128
	VLPP-200-PC M28X1.5	200	350	129
	VLPP-33-C	250	350	130

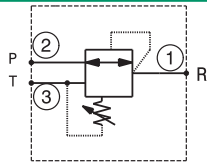
Valvola limitatrice di pressione pilotata a cartuccia con drenaggio esterno Pilot operated pressure relief valve – cartridge type with pilot drain

	VLPP-DE-10-C	120	350	131
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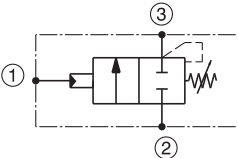
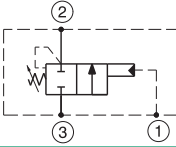
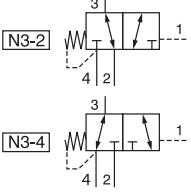
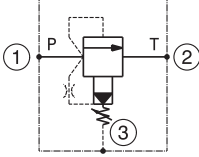
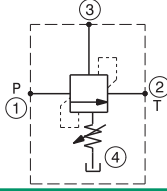
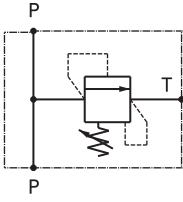
Valvola limitatrice di pressione pilotata con valvola di non ritorno, a cartuccia Pilot operated relief valve with reverse flow – cartridge type

	VLPPC-28-C	200	350	132
	VLPPC-33-C	150	350	133

Valvola riduttrice di pressione diretta a cartuccia Direct acting pressure reducing valve – cartridge type

	RP25-C	25	300	134
	RP25-C03	25	300	135
	RP10-C	30	350	136

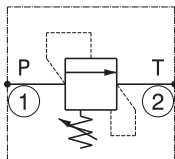
INDICE PER TIPO DI VALVOLA INDEX BY VALVE TYPE

		Q	P	PAGINA
		(l/min)	(bar)	PAGE
Valvola di sequenza 3 vie normalmente chiusa a cartuccia 3 ways, normally closed sequence valve – cartridge type				
	VP-C	5	350	137
Valvola di sequenza a 3 vie a cartuccia 3 Ways sequence valve – cartridge type				
	VSQ10-30-C	40	350	138
Valvola di sequenza a 4 vie a cartuccia 4 Ways sequence valve – cartridge type				
	VSQ10-40-C	40	350	139
Valvola di sequenza pilotata a cartuccia Pilot operated sequence valve – cartridge type				
	VSQP-20-C	400	350	140
Valvola di sequenza pilotata a cartuccia Pilot operated sequence valve – cartridge type				
	VMSP10-4-C	30	350	141
Valvola limitatrice di pressione Direct acting relief valve				
	VLP5-18 VLP40-14 VLP40-38 VLP40-12 VLP80-12 VLP80-34 VLP130-34 VLP130-10 VLP40-08-S	5 25 35 40 80 80 130 130 40	350 350 350 350 300 300 300 300 350	142 142 142 142 142 142 142 142 143

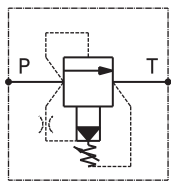
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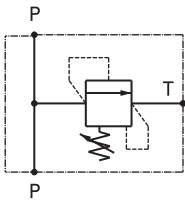
Valvola limitatrice di pressione Direct acting relief valve

	VLP10-14	10	350	144
	VLP10-38	10	350	144
	VLP30-14	25	350	145
	VLP30-38	30	350	145
	VLP30-12	30	350	145

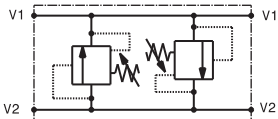
Valvola limitatrice di pressione pilotata Pilot operated relief valve

	VLP200P-34	200	250	146
	VLP200P-10	200	250	146

Valvola limitatrice di pressione Direct acting relief valve

	VLP40-L-14	25	350	147
	VLP40-L-38	35	350	147
	VLP40-L-12	40	350	147
	VLP80-L-12	80	300	147
	VLP80-L-34	80	300	147
	VLP130-L-34	130	300	147
	VLP130-L-10	130	300	147

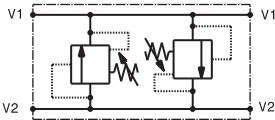
Valvola limitatrice di pressione doppia incrociata Dual cross relief valve

	VLP-40-DI-38	35	300	148
	VLP-40-DI-12	40	300	148
	VLP-80-DI-12	80	300	148
	VLP-80-DI-34	80	300	148
	VLP-130-DI-34	130	250	148
	VLP-130-DI-10	130	250	148

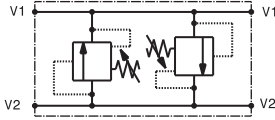
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	(l/min)	(bar)	PAGE

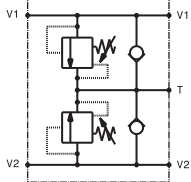
Valvola limitatrice di pressione doppia incrociata Dual cross relief valve

	In linea <i>In line</i>			
	VLP-10-DIL-14	10	300	149
	VLP-10-DIL-38	10	300	149
	VLP-40-DIL-38	35	300	149
	VLP-40-DIL-12	40	300	149
	VLP-80-DIL-12	80	300	149
	VLP-80-DIL-34	80	300	149
	VLP-130-DIL-34	130	250	149
	VLP-130-DIL-10	130	250	149

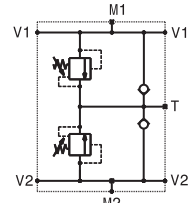
Valvola limitatrice di pressione doppia incrociata – in linea - Attacchi SAE In line, dual cross relief valve - SAE ports

	VLP40-DI-L-08S	35	300	150
	VLP80-DI-L-10S	80	300	150
	VLP130-DI-L-12S	130	250	150

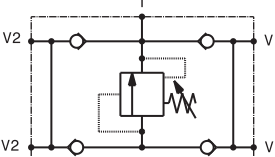
Valvola limitatrice di pressione doppia e anticavitazione Dual relief and anticavitation valve

	VLP40-DA-38	40	300	151
	VLP40-DA-12	40	300	151
	VLP80-DA-12	80	300	151
	VLP80-DA-34	80	300	151
	VLP130-DA-34	130	300	152

Valvola limitatrice di pressione doppia e anticavitazione Dual relief and anticavitation valve

	VLP40020-DA	400	280	153
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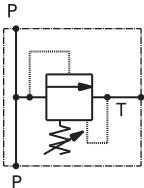
Valvola limitatrice di pressione semplice e anticavitazione Single relief and anticavitation valve

	VLP40-A-12	40	300	154
	VLP80-A-12	80	300	154
	VLP80-A-34	80	300	154

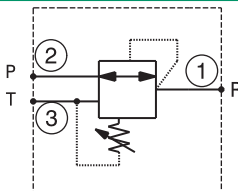
INDICE PER TIPO DI VALVOLA INDEX BY VALVE TYPE

	Q	P	PAGINA
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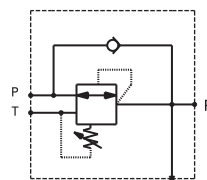
Valvola limitatrice di pressione flangiabile con vite cava Relief nipple screw flangeable valve

	VLP40-VC-12	40	350	155
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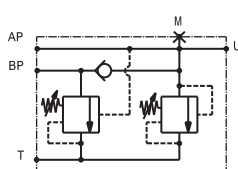
Valvola riduttrice di pressione diretta Direct acting pressure reducing valve

	RP-25-14	25	300	156
	RP-25-38	25	300	156
	RP-25-12	25	300	156

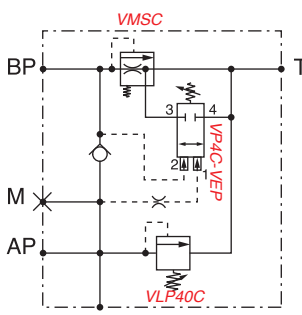
Valvola riduttrice di pressione diretta con valvola di non ritorno Direct acting pressure reducing valve with check valve

	RP-25-VU-14	25	300	157
	RP-25-VU-38	25	300	157
	RP-25-VU-12	25	300	157

Valvola di esclusione alta-bassa pressione High - low pressure, relief and unloading valve

	VEP-VLP40-38	40	350	158
	VEP-VLP40-12	40	350	158
	VEP-VLP80-12	80	350	159

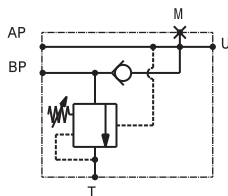
Valvola di esclusione alta-bassa pressione High - low pressure, relief and unloading valve

	VEP-VLP150	130 (BP)	280	160
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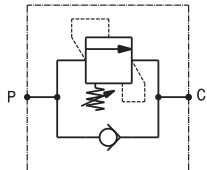
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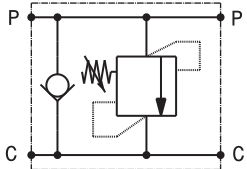
Valvola di esclusione alta-bassa pressione flangiabile su pompa ad ingranaggi High - low pressure, relief and unloading valve – direct mounting on gear pumps

	VEP80-FPG-2112	45 (BP)	350	161
	VEP80-FPG-30-2112	45 (BP)	350	161
	VEP80-FPG-2212	45 (BP)	350	161
	VEP40-FPG-1138	25 (BP)	350	162

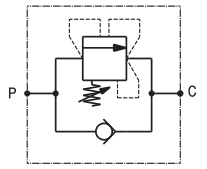
Valvola di sequenza ad azione diretta Direct acting sequence valve

	VSQ40-38	40	300	163
	VSQ40-12	40	300	163
	VSQ80-12	80	300	163
	VSQ80-34	80	300	163

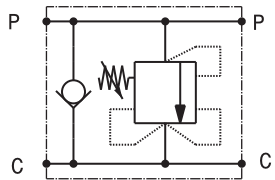
Valvola di sequenza ad azione diretta in linea In line, direct acting sequence valve

	VSQ40-L-38	40	300	164
	VSQ40-L-12	40	300	164
	VSQ80-L-12	80	300	164
	VSQ80-L-34	80	300	164
	VSQ130-L-34	130	300	164
	VSQ130-L-10	130	300	164

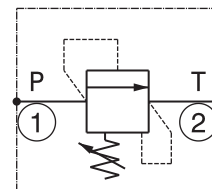
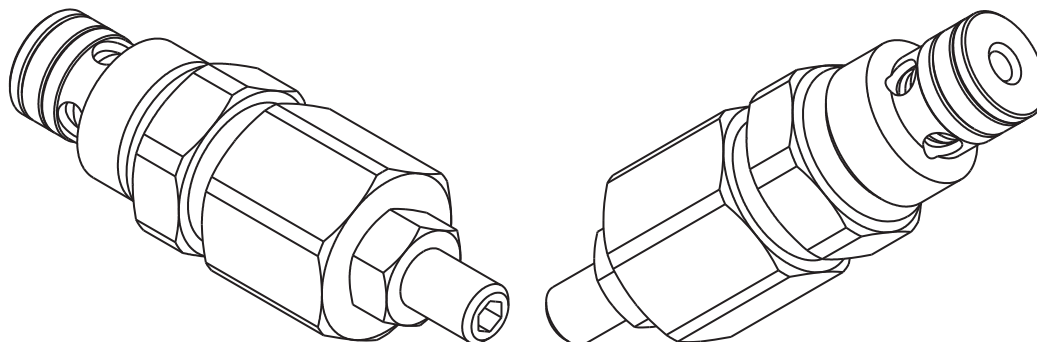
Valvola di sequenza ad azione diretta con esclusione della pressione primaria Direct acting sequence valve with primary pressure cut-off

	VSQ40-CC-38	40	300	165
	VSQ40-CC-12	40	300	165
	VSQ80-CC-12	80	300	165
	VSQ80-CC-34	80	300	165

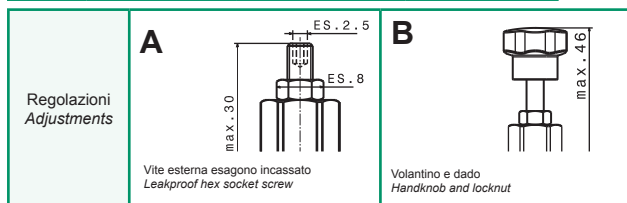
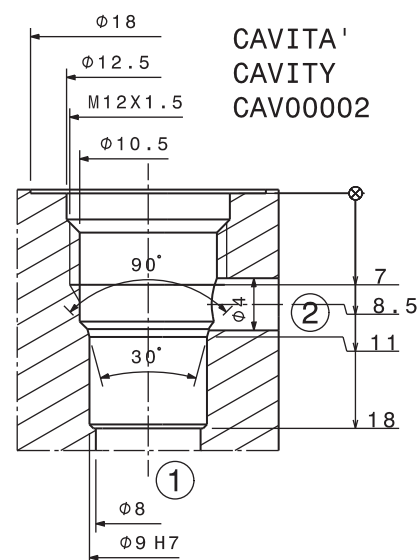
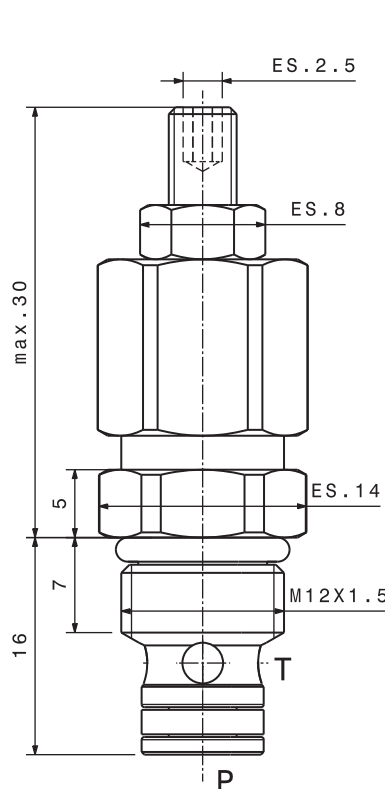
Valvola di sequenza ad azione diretta in linea con esclusione della pressione primaria In line, direct acting sequence valve with primary pressure cut-off

	VSQ40-L-CC-38	40	300	166
	VSQ40-L-CC-12	40	300	166
	VSQ80-L-CC-12	80	300	166
	VSQ80-L-CC-34	80	300	166
	VSQ130-L-CC-34	130	300	166
	VSQ130-L-CC-10	130	300	166

mod. VLP5-C



Taratura Setting			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring colour
00	40 bar 580 psi	10÷40 bar 145÷580 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black

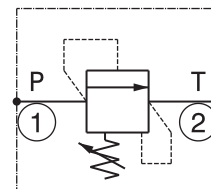
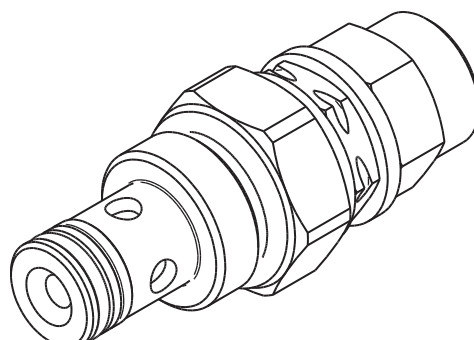
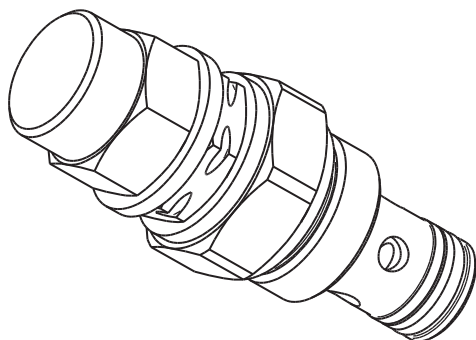


VLP5-C	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B

For flow diagram see
PRESSURE DROP RELIEF VALVE (1)

Aggiornamento / Update 09-09-2014

Valvola limitatrice di pressione diretta a cartuccia
Direct acting relief valve – cartridge type
mod. VLP10-C

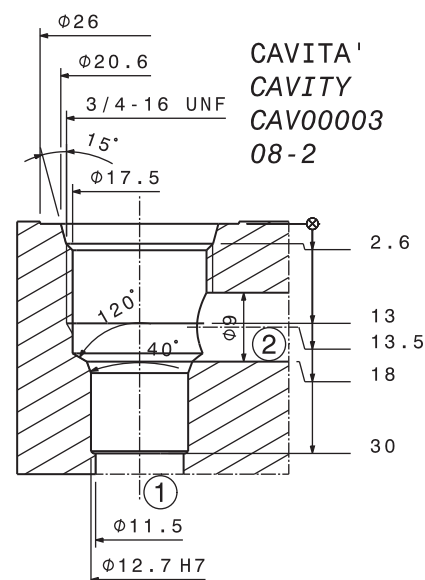
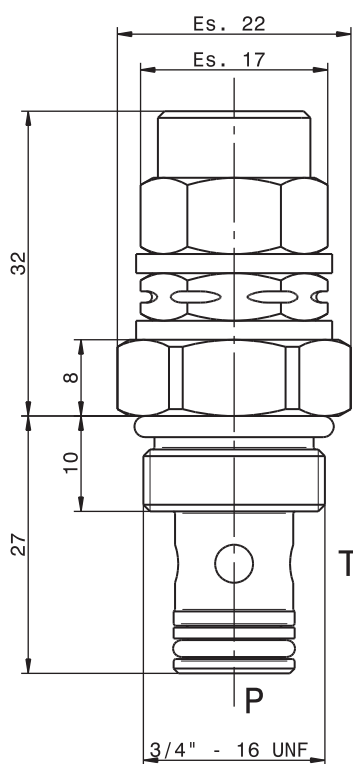


Portata massima <i>Max flow</i>	10 l/min <i>2.6 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Coppia di serraggio <i>Installation torque</i>	23 ÷ 26 Nm <i>17 ÷ 19.5 lb ft</i>

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
00	25 bar <i>362 psi</i>	10÷25 bar <i>145÷362 psi</i>	Nero <i>Black</i>
01	80 bar <i>1160 psi</i>	20÷100 bar <i>290÷1450 psi</i>	Bianco <i>White</i>
02	180 bar <i>2600 psi</i>	40÷250 bar <i>580÷3600 psi</i>	Giallo <i>Yellow</i>
03	250 bar <i>3600 psi</i>	60÷350 bar <i>870÷5000 psi</i>	Nero <i>Black</i>



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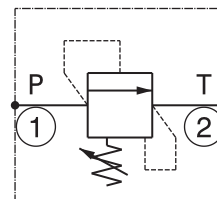
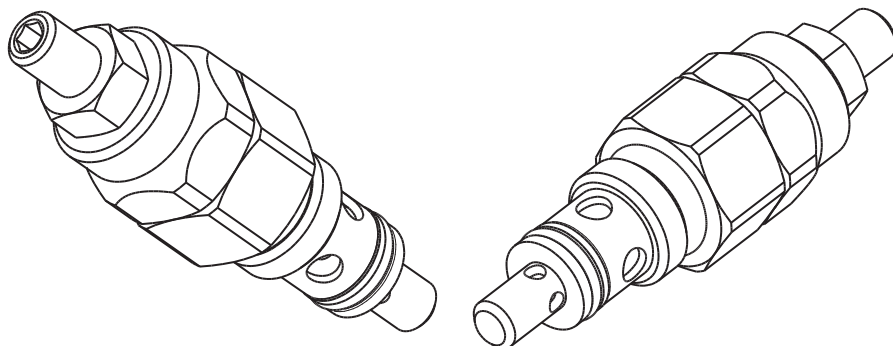
Sigla di ordinazione / Ordering code

VLP10-C	02	D
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 00, 01, 02, 03	

For flow diagram see
PRESSURE DROP RELIEF VALVE (2)

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 limitatrice di pressione diretta a cartuccia
Direct acting relief valve – cartridge type
mod. VLP20-C

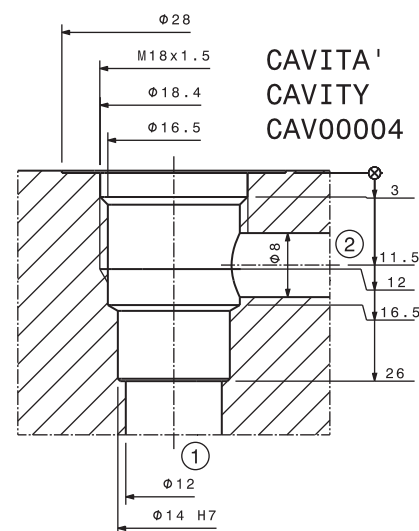
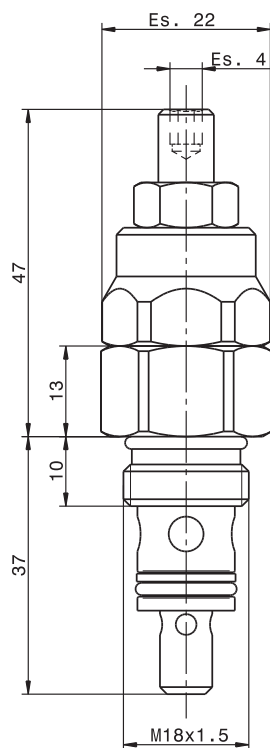


Portata massima <i>Max flow</i>	20 l/min 5 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	23 ÷ 26 Nm 17 ÷ 19.5 lb ft

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black



Regolazioni <i>Adjustments</i>	A	B	C	D
	 Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	 Volantino e dado <i>Handknob and locknut</i>	 Piombatura <i>Sealing cap</i>	 Cappello <i>Cap</i>

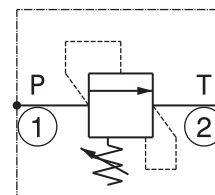
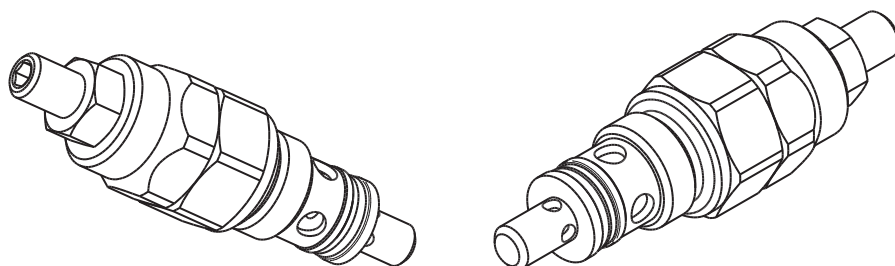
Sigla di ordinazione / Ordering code

VLP20-C	02	D
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
 PRESSURE DROP RELIEF VALVE (3)

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 limitatrice di pressione diretta a cartuccia
Direct operated pressure relief valve – cartridge type
mod. VLP18-C

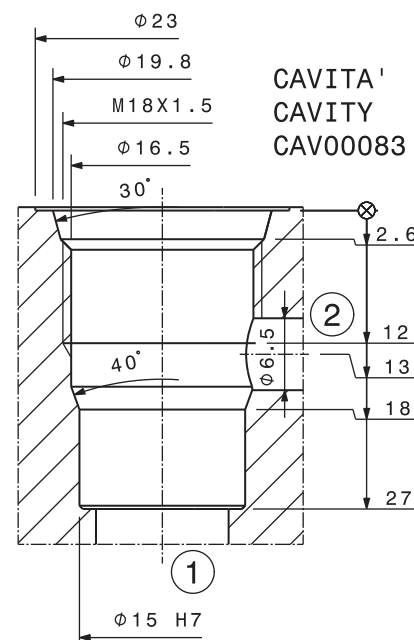
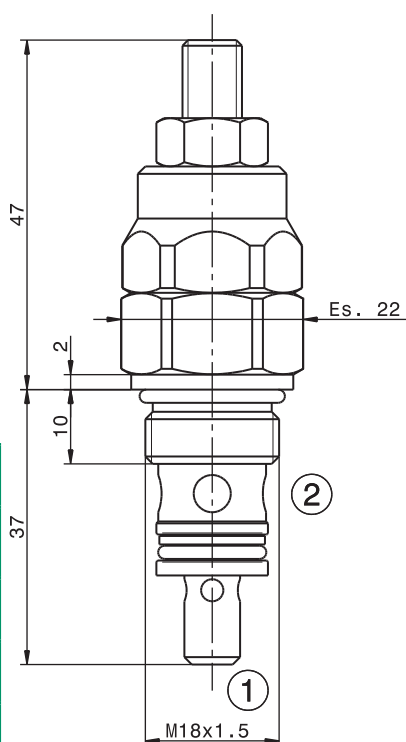


Portata massima <i>Max flow</i>	30 l/min 8 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	27 ÷ 30 Nm 20 ÷ 22 lbf ft

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Pressione increase <i>bar/psi per turn</i>
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	19 bar 275 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	63 bar 915 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	100 bar 1450 psi



Regolazioni <i>Adjustments</i>	A	B	C	D
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappello <i>Cap</i>

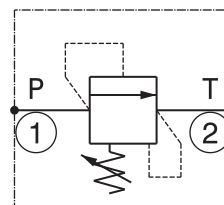
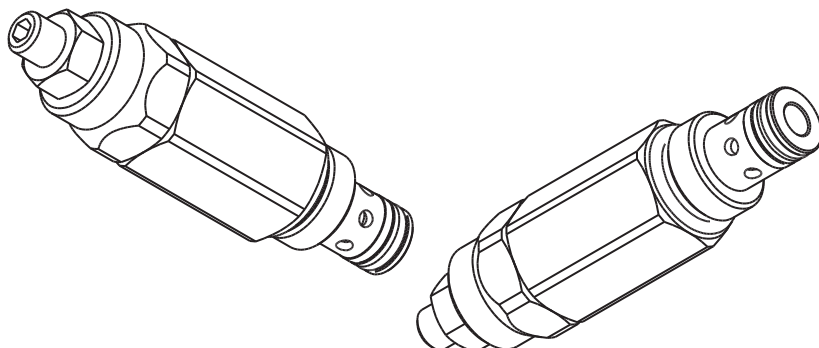
Sigla di ordinazione / Ordering code

VLP18-C	01	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
PRESSURE DROP RELIEF VALVE (4)

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 limitatrice di pressione diretta a cartuccia
Direct acting relief valve – cartridge type
mod. VLP30-C

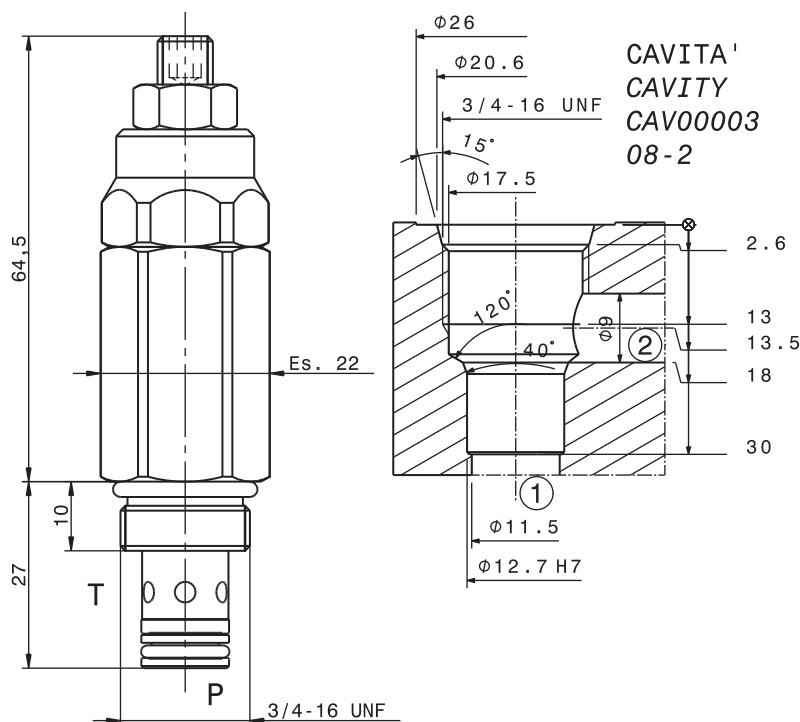


Portata massima <i>Max flow</i>	30 l/min 8 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	30 ÷ 35 Nm 22.5 ÷ 26 lb ft

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

Viscosità consigliate <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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black



Regolazioni <i>Adjustments</i>	A	B	C	D
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>

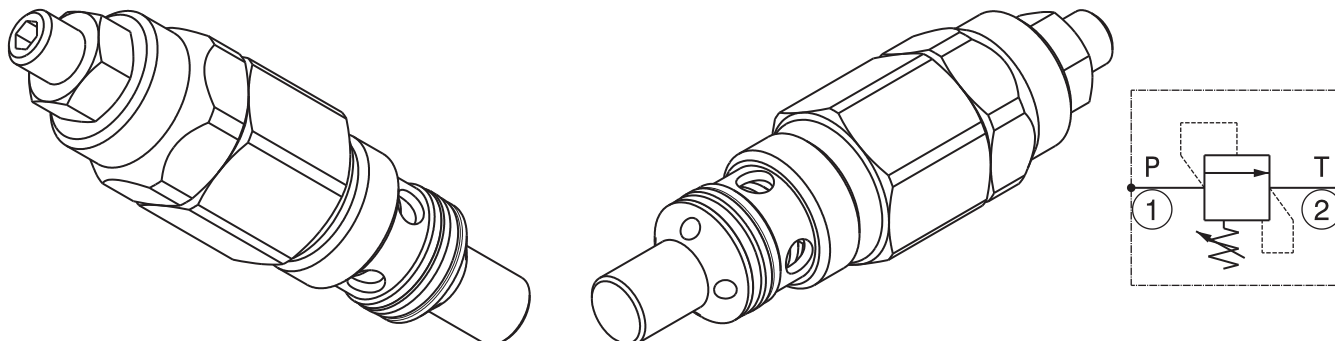
Sigla di ordinazione / Ordering code

VLP30-C	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
 PRESSURE DROP RELIEF VALVE (5)

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

Valvola limitatrice di pressione diretta a cartuccia
Direct acting relief valve – cartridge type
mod. VLP40-C

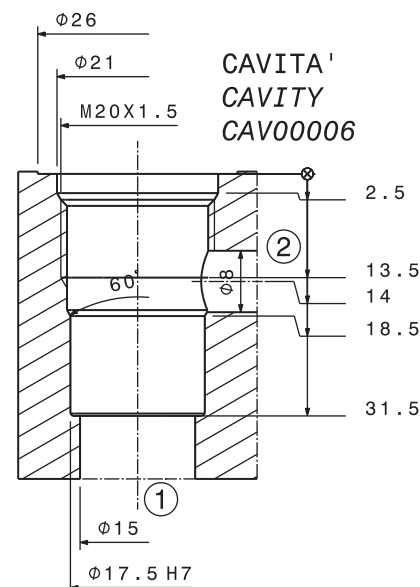
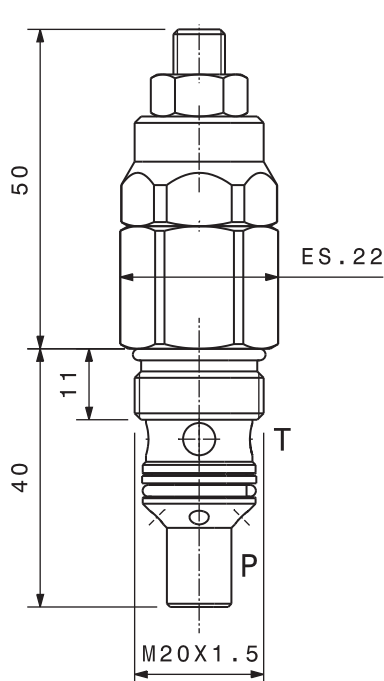


Portata massima <i>Max flow</i>	40 l/min <i>10.5 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Coppia di serraggio <i>Installation torque</i>	27 ÷ 30 Nm <i>20 ÷ 22.5 lb ft</i>

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
00*	40 bar <i>580 psi</i>	5÷40 bar <i>72.5÷580 psi</i>	Nero <i>Black</i>
01	80 bar <i>1160 psi</i>	20÷100 bar <i>290÷1450 psi</i>	Bianco <i>White</i>
02	180 bar <i>2600 psi</i>	40÷250 bar <i>580÷3600 psi</i>	Giallo <i>Yellow</i>
03	250 bar <i>3600 psi</i>	60÷350 bar <i>870÷5000 psi</i>	Nero <i>Black</i>



Regolazioni <i>Adjustments</i>	A	B	C	D
	 Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	 Volantino e dado <i>Handknob and locknut</i>	 Piombatura <i>Sealing cap</i>	 Cappellotto <i>Cap</i>

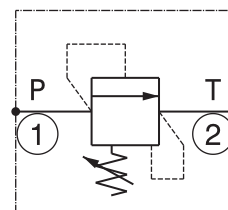
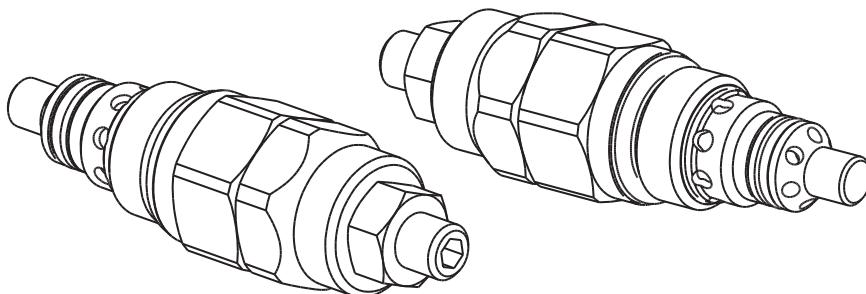
Sigla di ordinazione / Ordering code

VLP40-C	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 00, 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
PRESSURE DROP RELIEF VALVE (6)

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 limitatrice di pressione diretta a cartuccia
Direct acting relief valve – cartridge type
mod. VLP4008-C

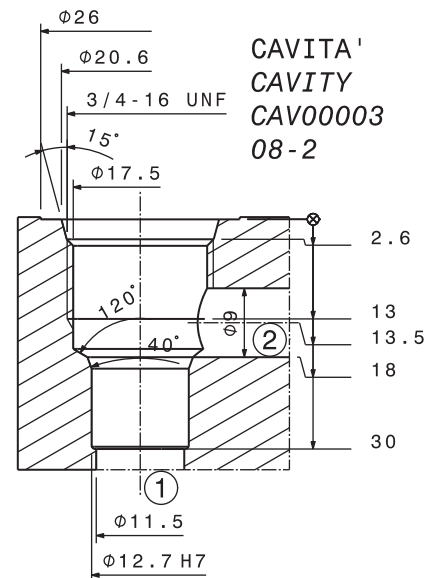
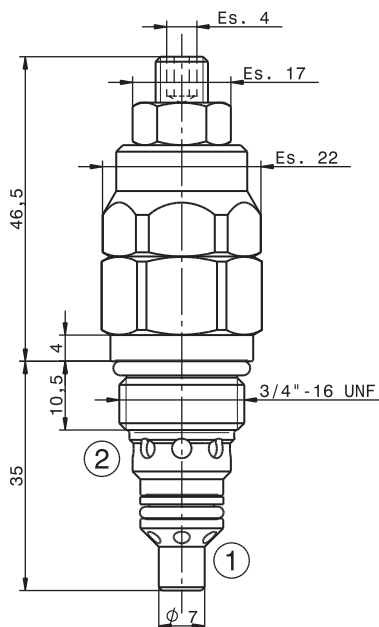


Portata massima <i>Max flow</i>	40 l/min 10.5 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	27 ÷ 30 Nm 20 ÷ 22.5 lb ft

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 <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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
00*	40 bar 580 psi	5÷40 bar 72.5÷580 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black



* taratura 00 disponibile solo con regolazione D
setting 00 available only with D adjustment

Regolazioni <i>Adjustments</i>	A	B	C	D
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>

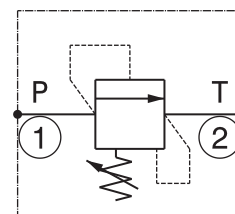
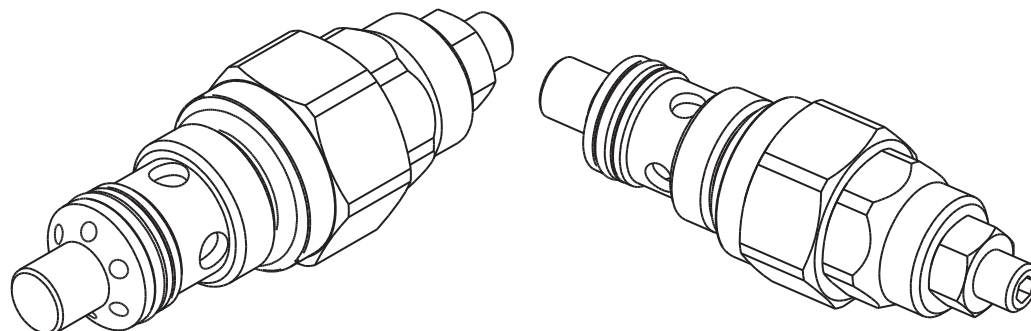
Sigla di ordinazione / Ordering code

VLP4008-C	01	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 00, 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
 PRESSURE DROP RELIEF VALVE (7)

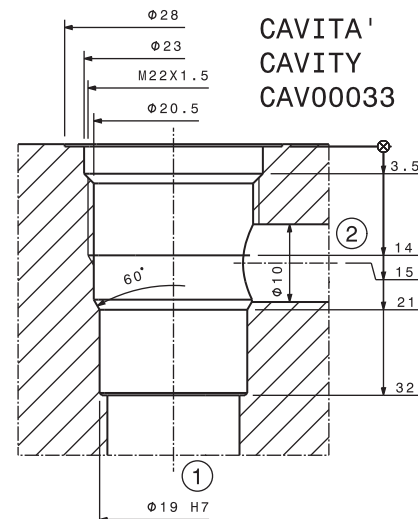
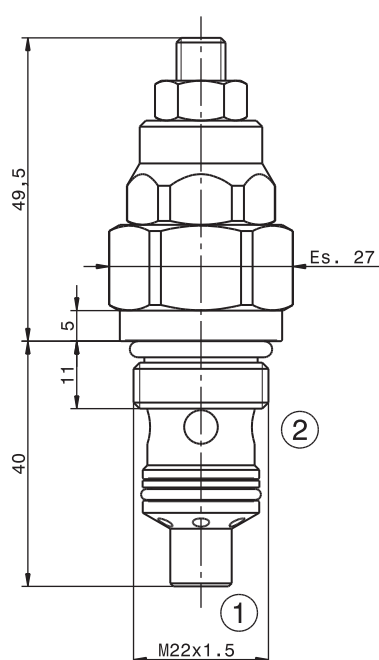
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola limitatrice di pressione diretta a cartuccia
Direct operated pressure relief valve – cartridge type
mod. VLP22-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>
Coppia di serraggio <i>Installation torque</i>	45 ÷ 50 Nm <i>33 ÷ 37 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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Pressione increase <i>bar/psi per turn</i>
01	80 bar <i>1160 psi</i>	20÷100 bar <i>290÷1450 psi</i>	29 bar <i>420 psi</i>
02	180 bar <i>2600 psi</i>	40÷250 bar <i>580÷3600 psi</i>	60 bar <i>870 psi</i>
03	250 bar <i>3600 psi</i>	60÷350 bar <i>870÷5000 psi</i>	70 bar <i>1015 psi</i>



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Regolazioni <i>Adjustments</i>	A	B	C	D
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>

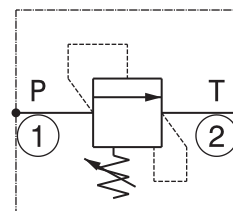
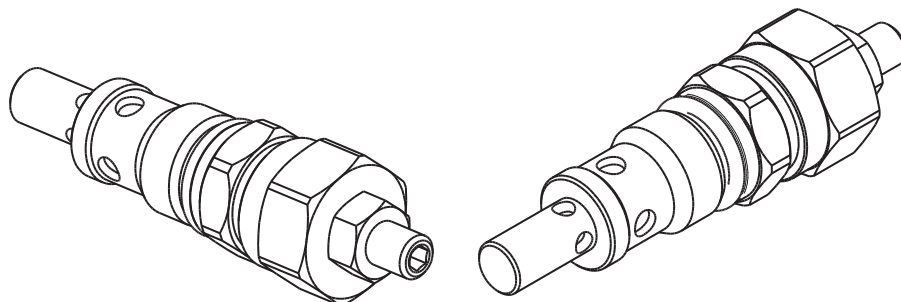
Sigla di ordinazione / Ordering code

VLP22-C	01	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
PRESSURE DROP RELIEF VALVE (8)

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 limitatrice di pressione diretta a cartuccia
Direct acting relief valve – cartridge type
mod. VLP45-C

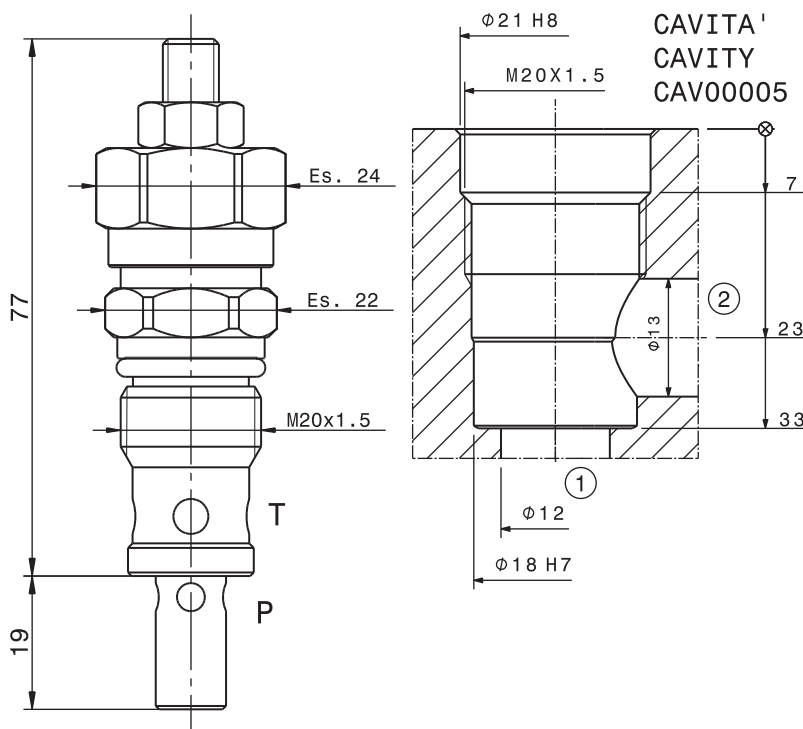


Portata massima <i>Max flow</i>	45 l/min 12 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	45 ÷ 50 Nm 34 ÷ 38 lb ft

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
00*	40 bar 580 psi	5÷40 bar 72.5÷580 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black



* taratura 00 disponibile solo con regolazione D
setting 00 available only with D adjustment

Regolazioni <i>Adjustments</i>	A	B	C	D
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>

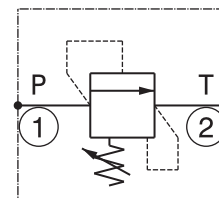
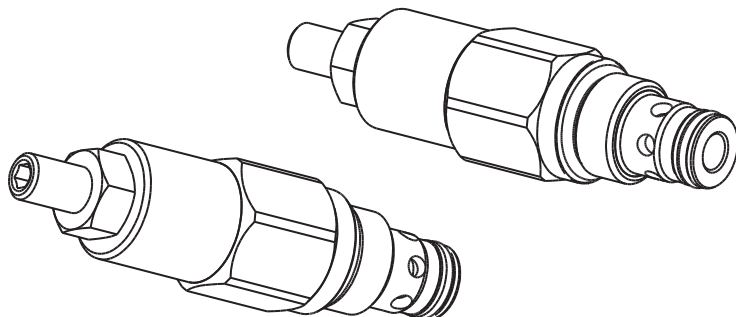
Sigla di ordinazione / Ordering code

VLP45-C	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 00, 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
PRESSURE DROP RELIEF VALVE (9)

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 limitatrice di pressione diretta a cartuccia
Direct acting pressure relief valve – cartridge type
mod. VLP4010-C

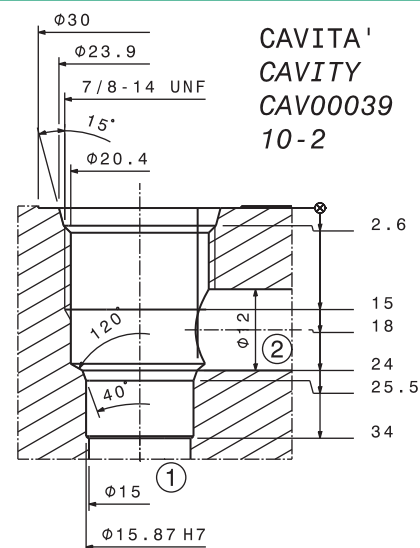
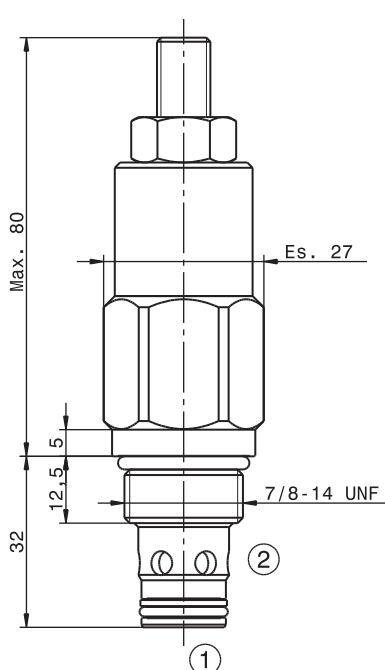


Portata massima <i>Max flow</i>	70 l/min <i>18.5 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Coppia di serraggio <i>Installation torque</i>	45 ÷ 50 Nm <i>33 ÷ 37 lbf ft</i>

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Pressione increase <i>bar/psi per turn</i>
01	80 bar <i>1160 psi</i>	20÷100 bar <i>290÷1450 psi</i>	23 bar <i>333 psi</i>
02	180 bar <i>2600 psi</i>	40÷250 bar <i>580÷3600 psi</i>	56 bar <i>810 psi</i>
03	250 bar <i>3600 psi</i>	60÷350 bar <i>870÷5000 psi</i>	91 bar <i>1320 psi</i>



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Regolazioni <i>Adjustments</i>	A	B	C	D
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>

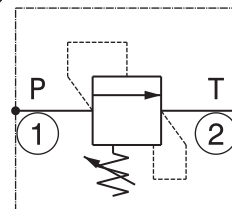
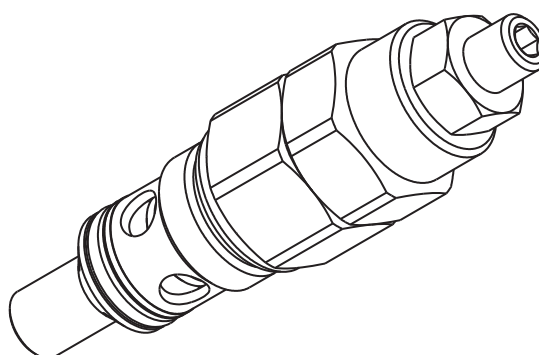
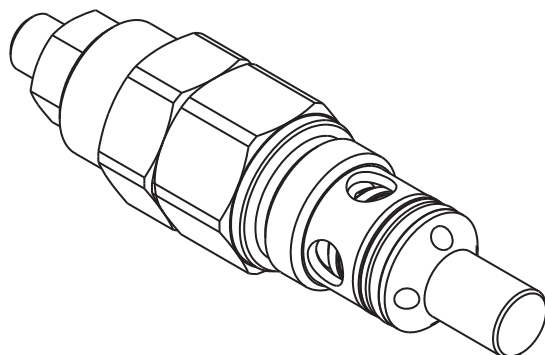
Sigla di ordinazione / Ordering code

VLP4010C	01	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
 PRESSURE DROP RELIEF VALVE (13)

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 limitatrice di pressione diretta a cartuccia
Direct acting relief valve – cartridge type
mod. VLP80-C



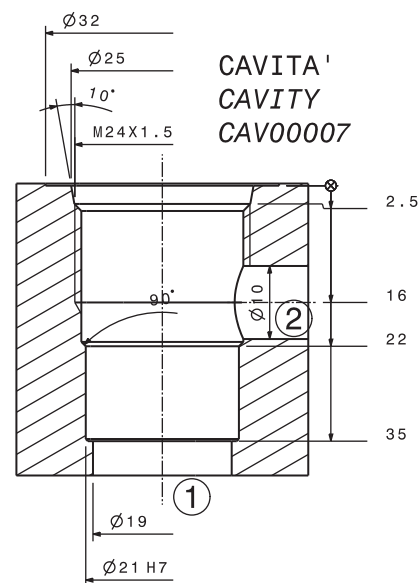
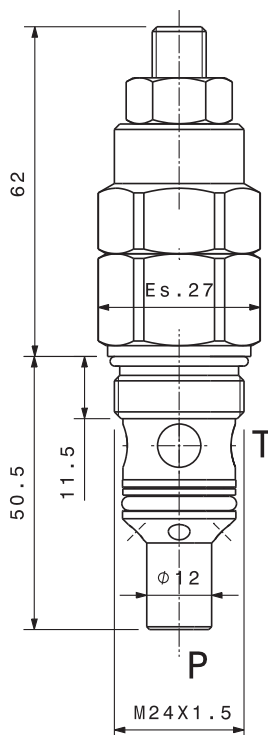
Portata massima <i>Max flow</i>	80 l/min 21 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	65 ÷ 70 Nm 49 ÷ 52 lb ft

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
00*	40 bar 580 psi	5÷40 bar 72.5÷580 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black

* taratura 00 disponibile solo con regolazione D
setting 00 available only with D adjustment



Regolazioni <i>Adjustments</i>	A	B	C	D
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>

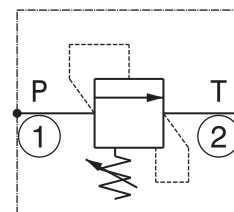
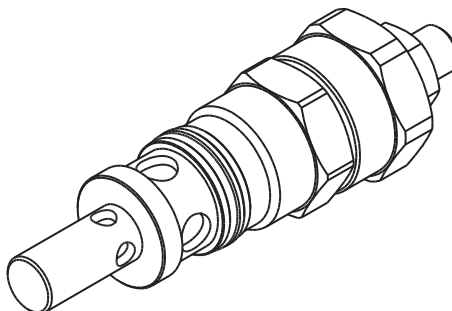
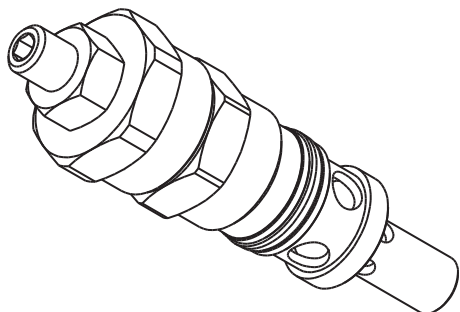
Sigla di ordinazione / Ordering code

VLP80-C	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 00, 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
PRESSURE DROP RELIEF VALVE (10)

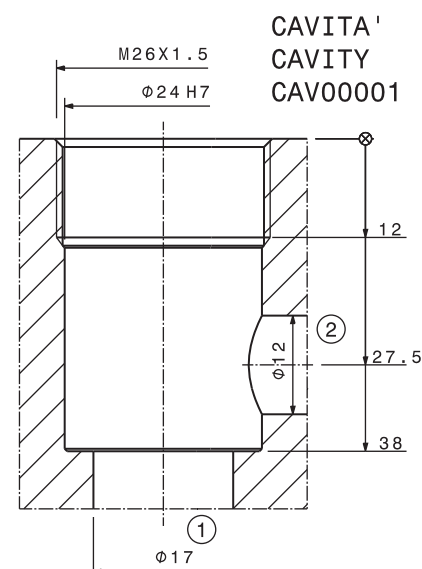
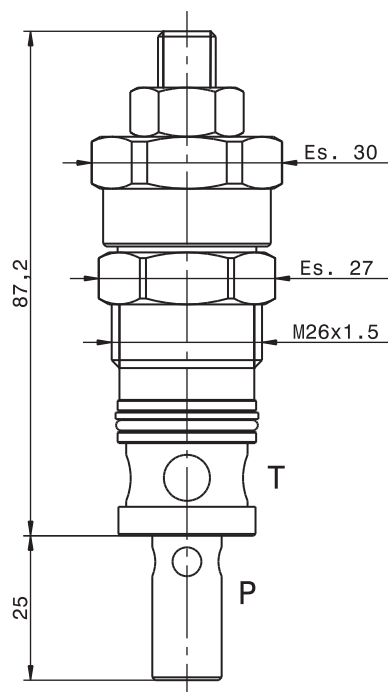
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola limitatrice di pressione diretta a cartuccia
Direct acting relief valve – cartridge type
mod. VLP85-C



Portata massima <i>Max flow</i>	85 l/min 22 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	85 ÷ 90 Nm 64 ÷ 67 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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
00*	40 bar 580 psi	5÷40 bar 72.5÷580 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black



* taratura 00 disponibile solo con regolazione D
setting 00 available only with D adjustment

Regolazioni <i>Adjustments</i>	A	B	C	D
	Es. 5 Es. 17 max. 88 Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Es. 17 max. 132 Volantino e dado <i>Handknob and locknut</i>	Es. 17 max. 97 Piombatura <i>Sealing cap</i>	Es. 17 max. 98 Cappellotto <i>Cap</i>

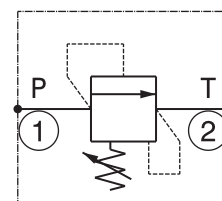
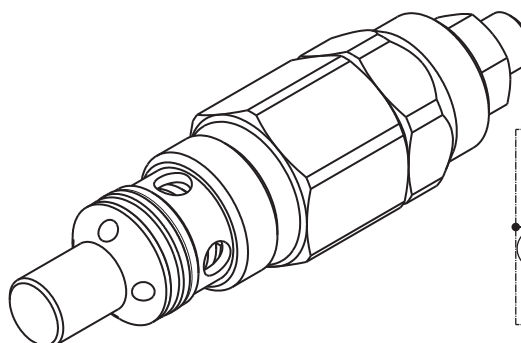
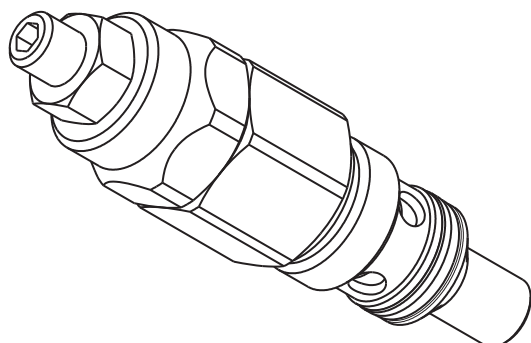
Sigla di ordinazione / Ordering code

VLP85-C	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 00, 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

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

Valvola limitatrice di pressione diretta con pistone differenziale, a cartuccia
Direct acting differential piston relief valve – cartridge type

mod. VLDP40-C

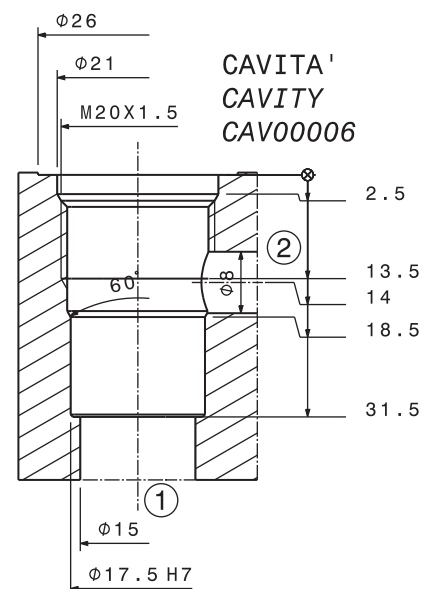
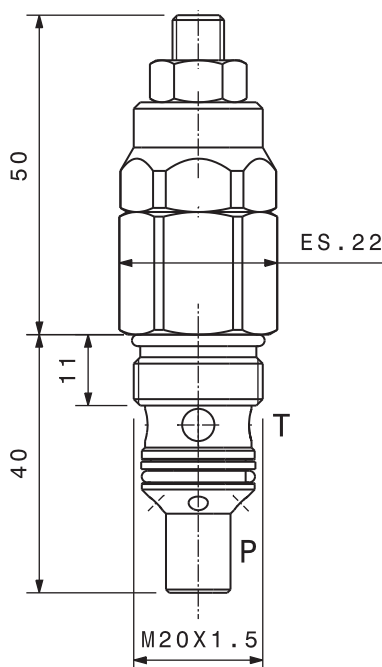


Portata massima <i>Max flow</i>	50 l/min 13.2 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	27 ÷ 30 Nm 20 ÷ 22.5 lb ft

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 <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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
00*	40 bar 580 psi	5÷40 bar 72.5÷580 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black



* taratura 00 disponibile solo con regolazione D
setting 00 available only with D adjustment

Regolazioni <i>Adjustments</i>	A	B	C	D
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>

Sigla di ordinazione / Ordering code

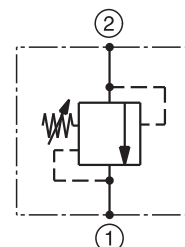
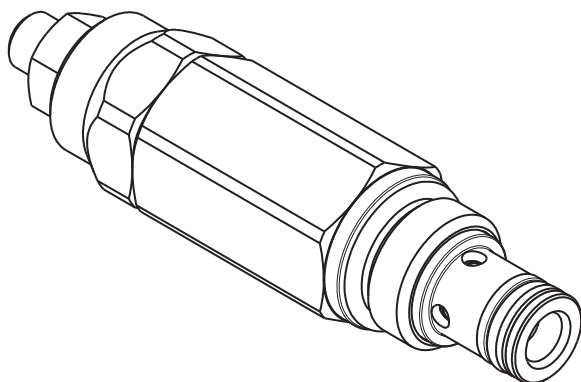
VLDP40-C	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 00, 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
PRESSURE DROP RELIEF VALVE (14)

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 limitatrice di pressione diretta con pistone differenziale, a cartuccia
Direct acting differential piston relief valve – cartridge type

mod. VLPD08-C

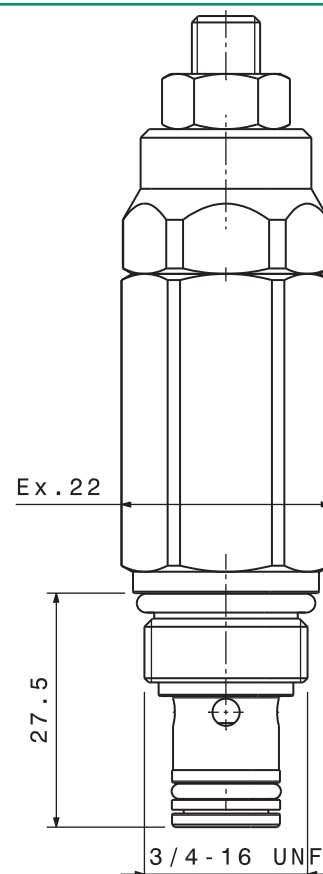
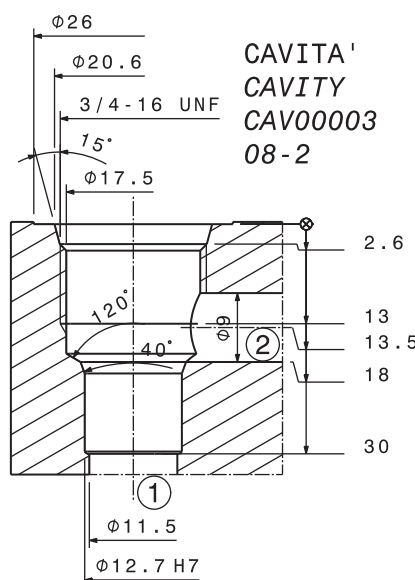


Portata massima <i>Max flow</i>	40 l/min <i>10.5 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Coppia di serraggio <i>Installation torque</i>	27 ÷ 30 Nm <i>20 ÷ 22.5 lb ft</i>

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
01	80 bar <i>1160 psi</i>	20÷100 bar <i>290÷1450 psi</i>	23 bar <i>333 psi</i>
02	180 bar <i>2600 psi</i>	40÷250 bar <i>580÷3600 psi</i>	56 bar <i>810 psi</i>
03	250 bar <i>3600 psi</i>	60÷350 bar <i>870÷5000 psi</i>	91 bar <i>1320 psi</i>



Regolazioni <i>Adjustments</i>	A	B	C	D
	Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>

Sigla di ordinazione / Ordering code

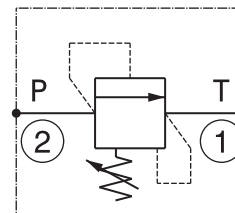
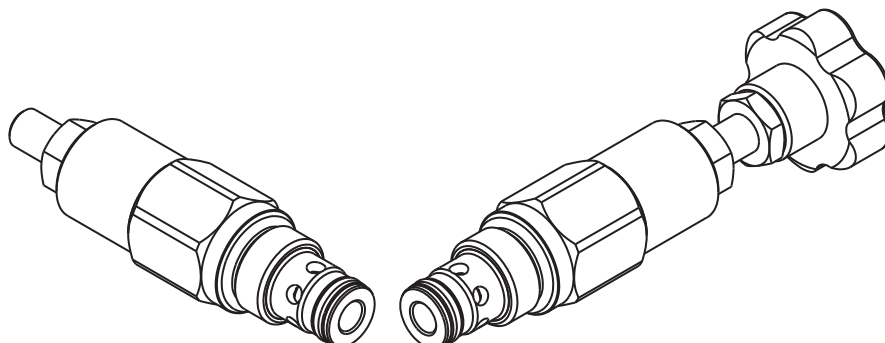
VLPD08-C	01	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see

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 limitatrice di pressione diretta con pistone differenziale, a cartuccia
Direct acting differential piston relief valve – cartridge type

mod. **VLPD10-C**

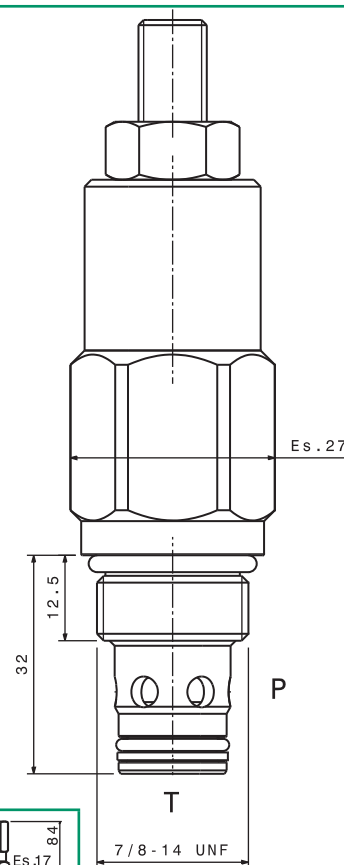
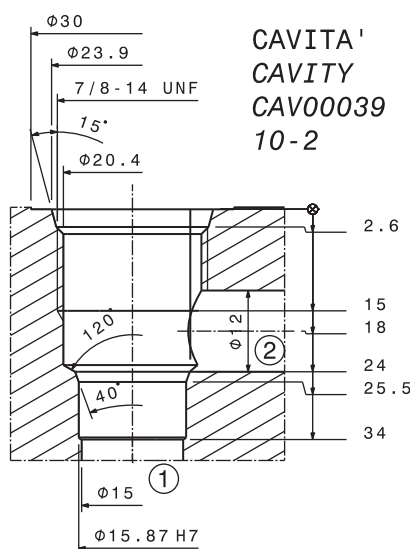


Portata massima <i>Max flow</i>	80 l/min 21 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	45 ÷ 50 Nm 33 ÷ 37 lbf ft

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

Taratura Setting			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Pressione increase bar/psi per turn
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	23 bar 333 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	56 bar 810 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	91 bar 1320 psi



Regolazioni Adjustments	A Vite esterna esagono incassato Leak-proof hex socket screw	B Volantino e dado Handknob and locknut	C Piombatura Sealing cap	D Cappello Cap
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Sigla di ordinazione / Ordering code

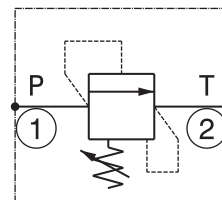
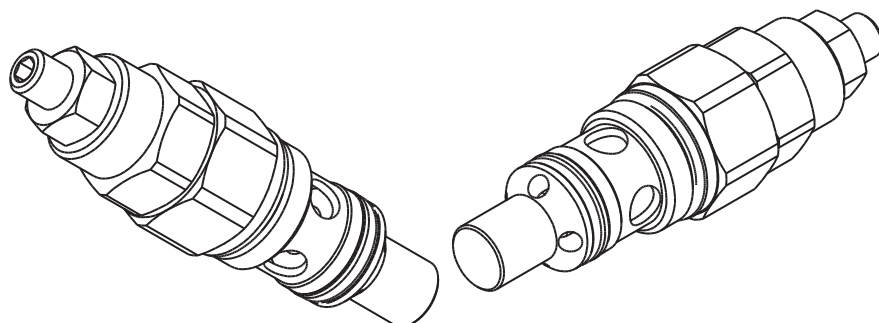
VLPD10-C	01	A
Modello Type	Codice taratura Setting code 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

For flow diagram see
 PRESSURE DROP RELIEF VALVE (13)

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.

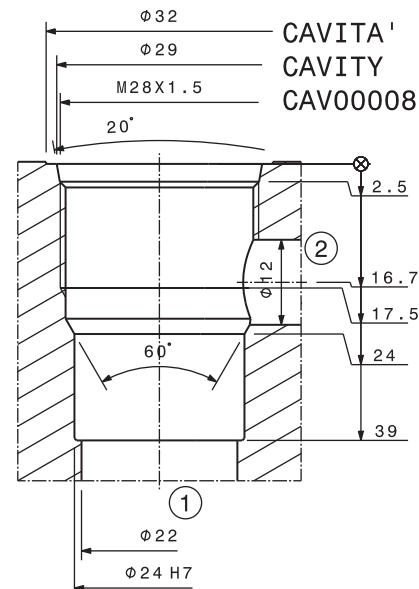
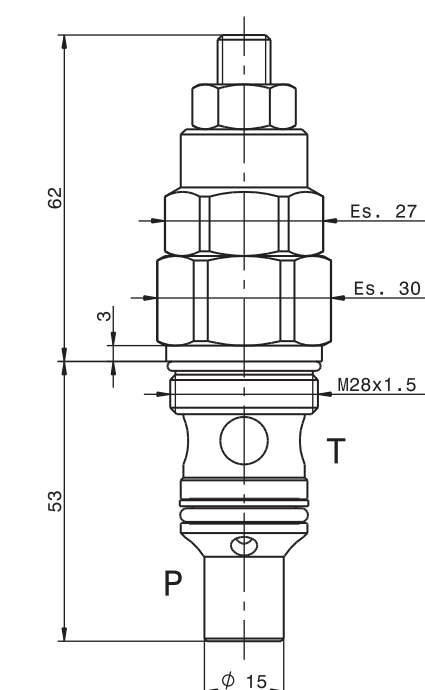
Valvola limitatrice di pressione diretta con pistone differenziale, a cartuccia
Direct acting differential piston relief valve – cartridge type

mod. VLP130-CD



Portata massima <i>Max flow</i>	130 l/min 34 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 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 <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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
00*	40 bar 580 psi	5÷40 bar 72.5÷580 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black



* taratura 00 disponibile solo con regolazione D
setting 00 available only with D adjustment

Regolazioni <i>Adjustments</i>	A	B	C	D
	Es. 5 Es. 17 max. 63	Es. 17 max. 106	72	Es. 17 73
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>

Sigla di ordinazione / Ordering code

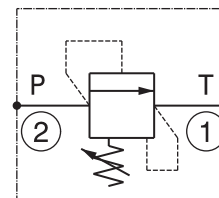
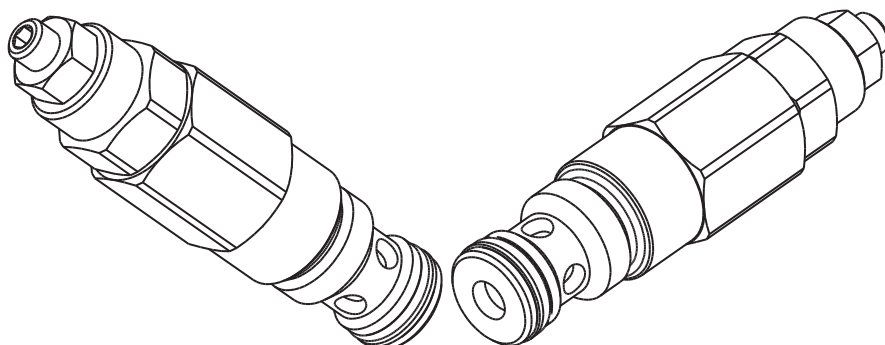
VLP130-CD	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 00, 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
PRESSURE DROP RELIEF VALVE (11)

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 limitatrice di pressione diretta con pistone differenziale, a cartuccia
Direct acting differential piston relief valve – cartridge type

mod. VLP150-CD

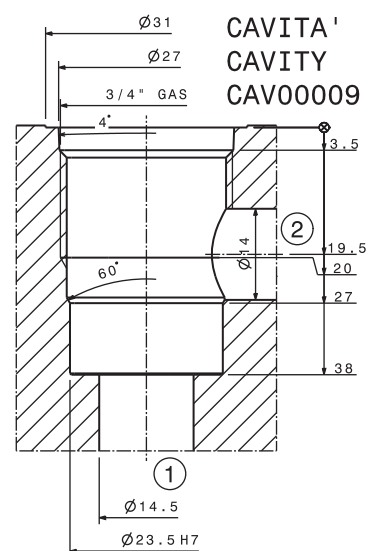
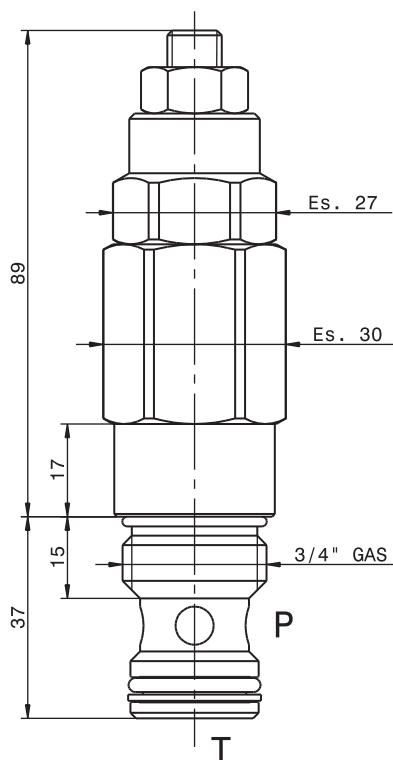


Portata massima <i>Max flow</i>	150 l/min 40 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	140 ÷ 160 Nm 105 ÷ 120 lb ft

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black



Regolazioni <i>Adjustments</i>	A	B	C	D
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappello <i>Cap</i>

Sigla di ordinazione / Ordering code

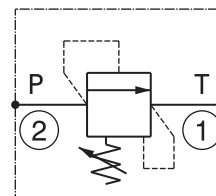
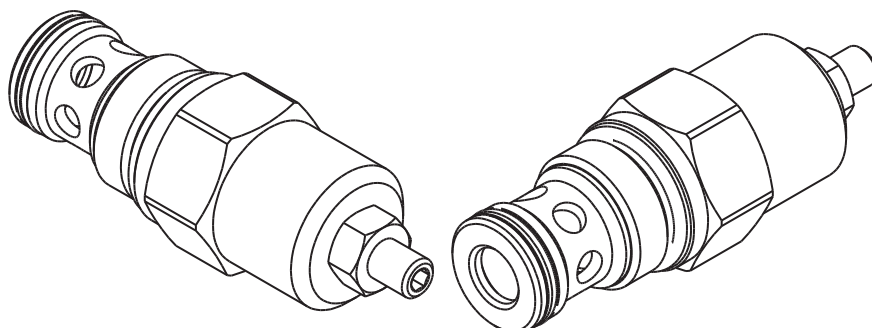
VLP150-CD	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
PRESSURE DROP RELIEF VALVE (12)

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 limitatrice di pressione diretta con pistone differenziale, a cartuccia
Direct acting differential piston relief valve – cartridge type

mod. VLP20016-CD

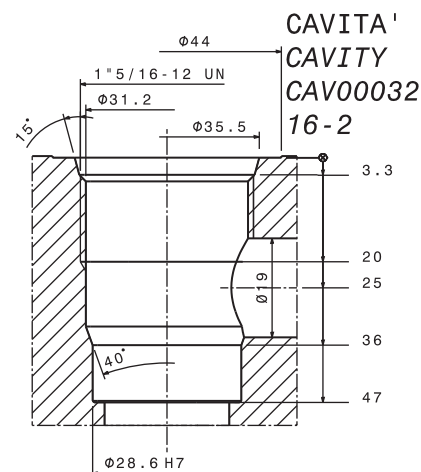
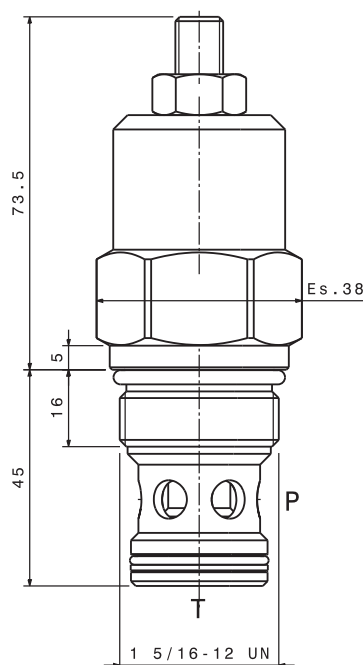


Portata massima <i>Max flow</i>	200 l/min 53 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	180 ÷ 200 Nm 135 ÷ 150 lb ft

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black



Regolazioni <i>Adjustments</i>	A	B	C	D
	 Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	 Volantino e dado <i>Handknob and locknut</i>	 Piombatura <i>Sealing cap</i>	 Cappello <i>Cap</i>

Sigla di ordinazione / Ordering code

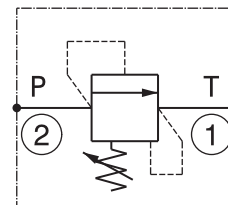
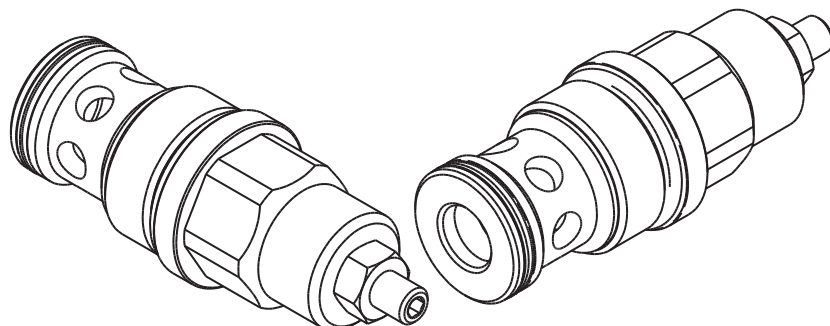
VLP20016-CD	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
PRESSURE DROP RELIEF VALVE (22)

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 limitatrice di pressione diretta con pistone differenziale, a cartuccia
Direct acting differential piston relief valve – cartridge type

mod. VLP40020-CD

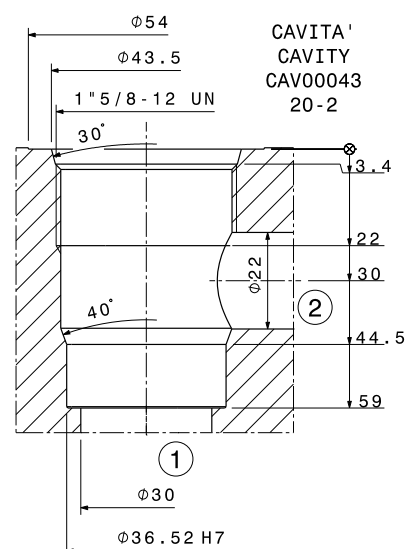
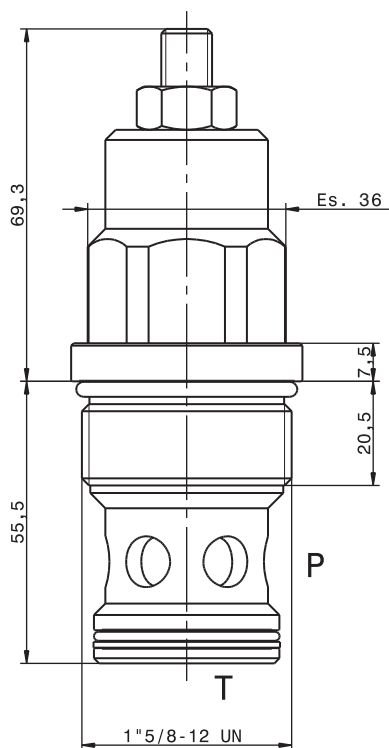


Portata massima <i>Max flow</i>	400 l/min <i>105 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Coppia di serraggio <i>Installation torque</i>	220 ÷ 250 Nm <i>165 ÷ 187 lb ft</i>

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
01	80 bar <i>1160 psi</i>	20÷100 bar <i>290÷1450 psi</i>	Bianco <i>White</i>
02	180 bar <i>2600 psi</i>	40÷250 bar <i>580÷3600 psi</i>	Giallo <i>Yellow</i>
03	250 bar <i>3600 psi</i>	60÷350 bar <i>870÷5000 psi</i>	Nero <i>Black</i>



Regolazioni <i>Adjustments</i>			
A		B	
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>		Volantino e dado <i>Handknob and locknut</i>
C		D	
	Piombatura <i>Sealing cap</i>		Cappellotto <i>Cap</i>

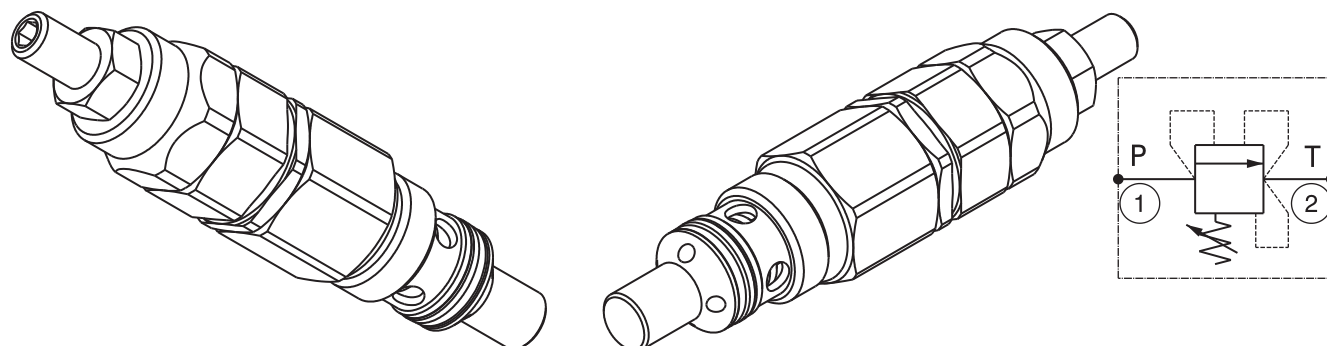
Sigla di ordinazione / Ordering code

VLP40020-CD	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

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

Valvola limitatrice di pressione diretta a cartuccia compensata in pressione
Pressure compensated, direct acting relief valve – cartridge type

mod. VLP40-CC

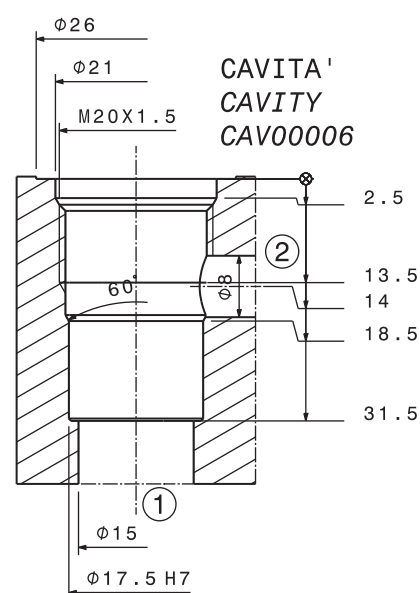
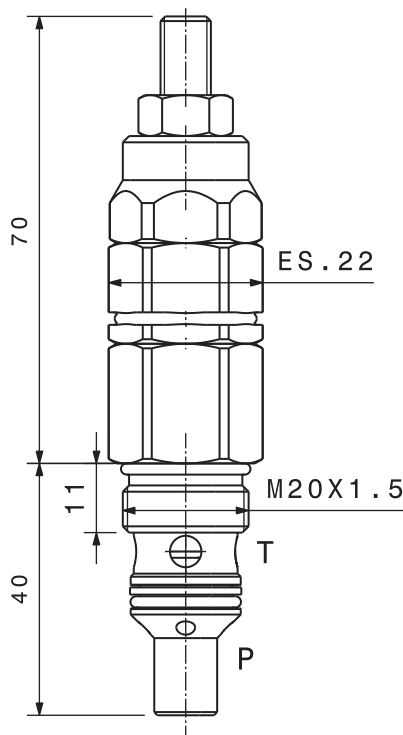


Portata massima <i>Max flow</i>	40 l/min 10.5 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	27 ÷ 30 Nm 20 ÷ 22.5 lb ft

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 <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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
00	40 bar 580 psi	5÷40 bar 72.5÷580 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black



Regolazioni <i>Adjustments</i>	A	B	C	D
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>

Sigla di ordinazione / Ordering code

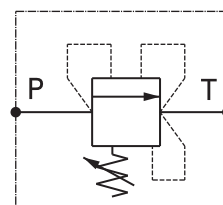
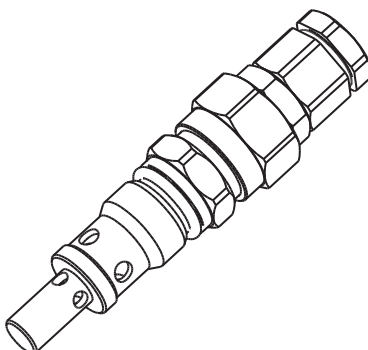
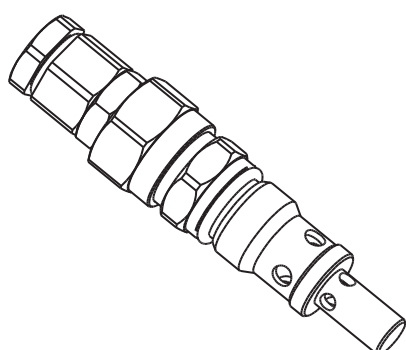
VLP40-CC	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
 PRESSURE DROP RELIEF VALVE (6)

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 limitatrice di pressione diretta a cartuccia compensata in pressione
Pressure compensated, direct acting relief valve – cartridge type

mod. VLP45-CC

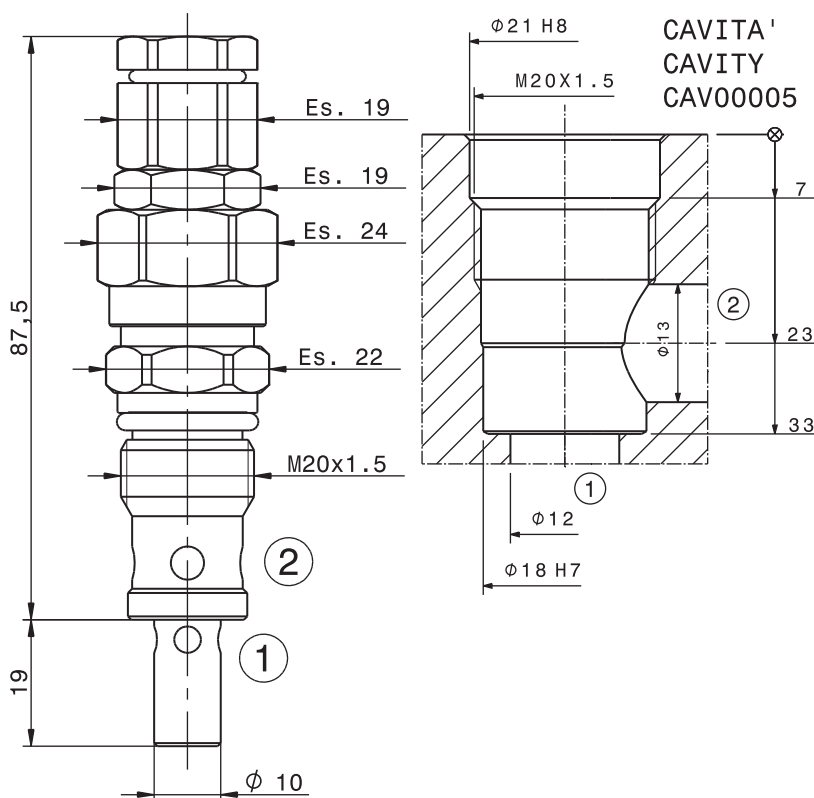


Portata massima <i>Max flow</i>	45 l/min 12 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	45 ÷ 50 Nm 34 ÷ 38 lbft

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
00	40 bar 580 psi	5÷40 bar 72.5÷580 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black



Sigla di ordinazione / Ordering code

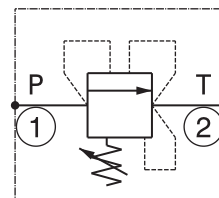
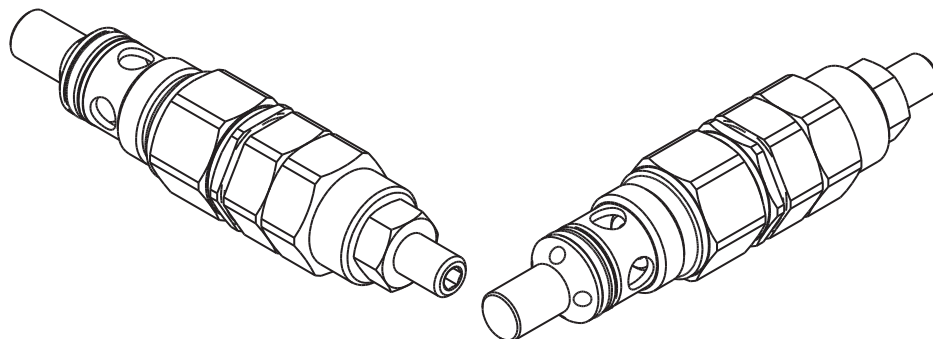
VLP45-CC	02	D
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 00, 01, 02, 03	

For flow diagram see
PRESSURE DROP RELIEF VALVE (9)

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 limitatrice di pressione diretta a cartuccia compensata in pressione
Pressure compensated, direct acting relief valve – cartridge type

mod. VLP80-CC

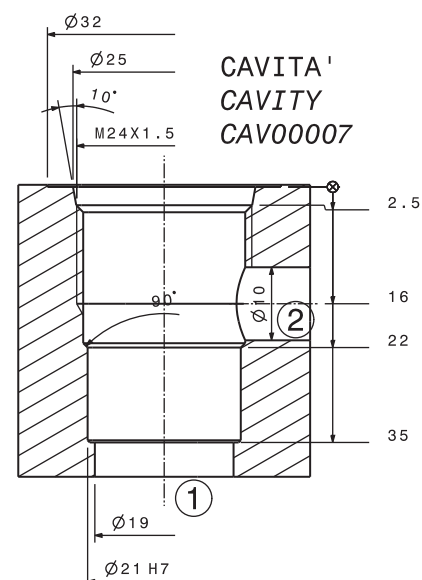
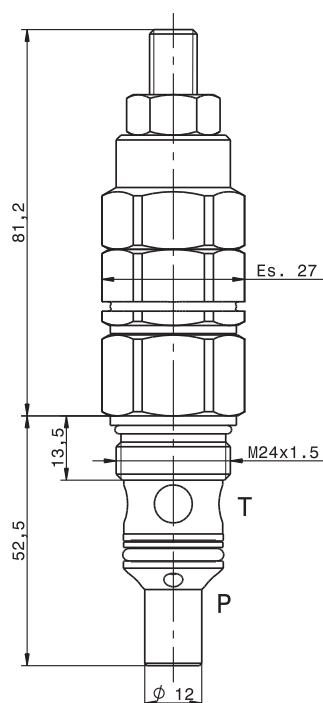


Portata massima <i>Max flow</i>	80 l/min <i>21 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Coppia di serraggio <i>Installation torque</i>	65 ÷ 70 Nm <i>49 ÷ 52 lb ft</i>

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
01	80 bar <i>1160 psi</i>	20÷100 bar <i>290÷1450 psi</i>	Bianco <i>White</i>
02	180 bar <i>2600 psi</i>	40÷250 bar <i>580÷3600 psi</i>	Giallo <i>Yellow</i>
03	250 bar <i>3600 psi</i>	60÷350 bar <i>870÷5000 psi</i>	Nero <i>Black</i>



Regolazioni <i>Adjustments</i>	A	B	C	D
	 Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	 Volantino e dado <i>Handknob and locknut</i>	 Piombatura <i>Sealing cap</i>	 Cappellotto <i>Cap</i>

Sigla di ordinazione / Ordering code

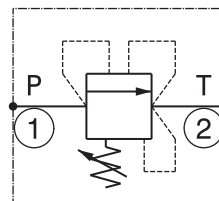
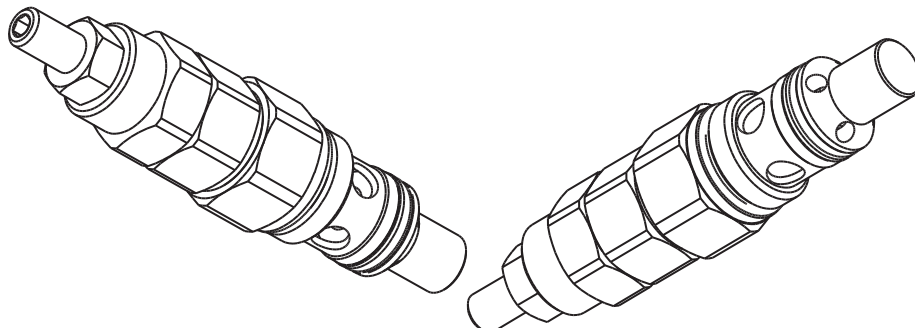
VLP80-CC	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
 PRESSURE DROP RELIEF VALVE (10)

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 limitatrice di pressione diretta a cartuccia compensata in pressione
Pressure compensated, direct acting relief valve – cartridge type

mod. VLP130-CC

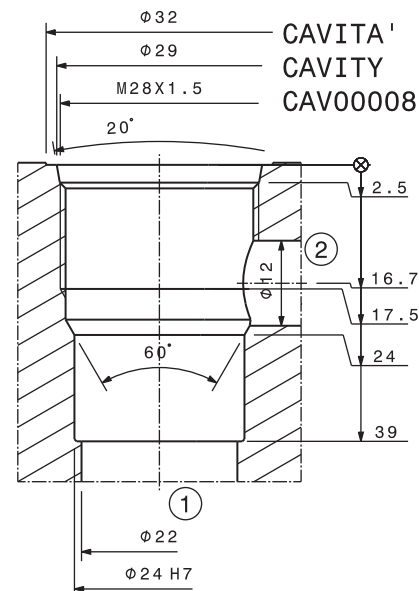
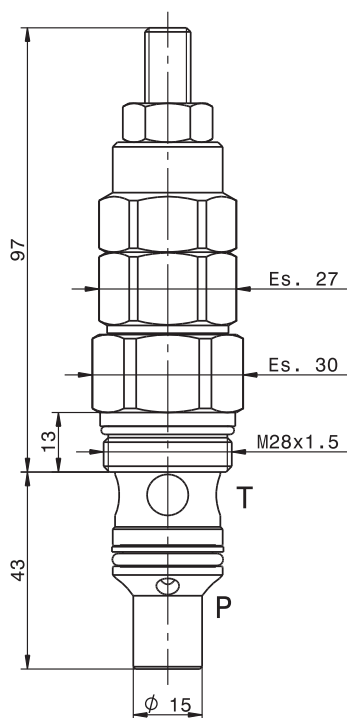


Portata massima <i>Max flow</i>	130 l/min <i>34 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Coppia di serraggio <i>Installation torque</i>	80 ÷ 100 Nm <i>60 ÷ 75 lb ft</i>

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
01	80 bar <i>1160 psi</i>	20÷100 bar <i>290÷1450 psi</i>	Bianco <i>White</i>
02	180 bar <i>2600 psi</i>	40÷250 bar <i>580÷3600 psi</i>	Giallo <i>Yellow</i>
03	250 bar <i>3600 psi</i>	60÷350 bar <i>870÷5000 psi</i>	Nero <i>Black</i>



Regolazioni <i>Adjustments</i>			
A	B	C	D
Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>

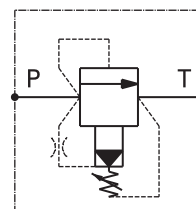
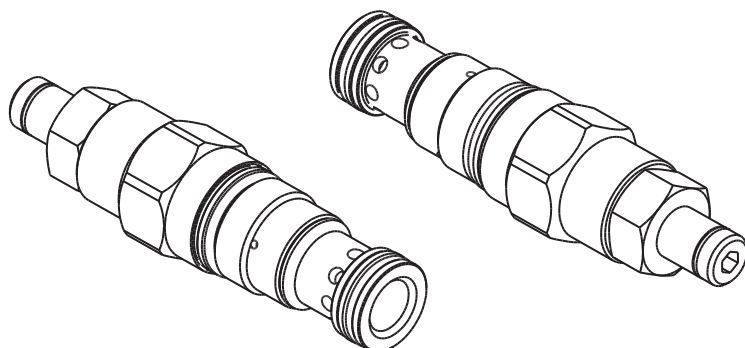
Sigla di ordinazione / Ordering code

VLP130-CC	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
PRESSURE DROP RELIEF VALVE (11)

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 limitatrice di pressione pilotata a cartuccia
Pilot operated pressure relief valve – cartridge type
mod. VLPP-T10-C

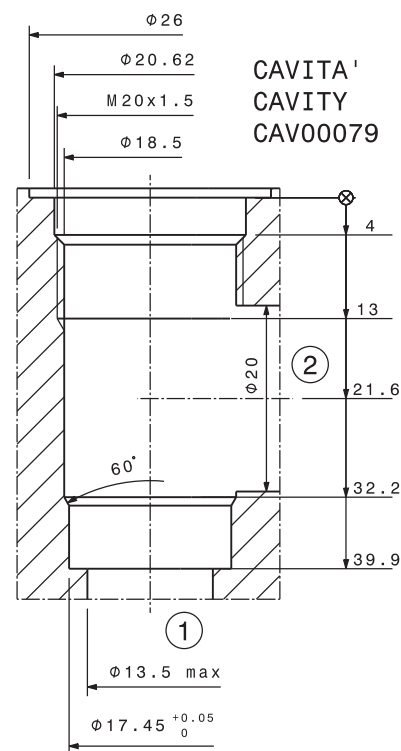
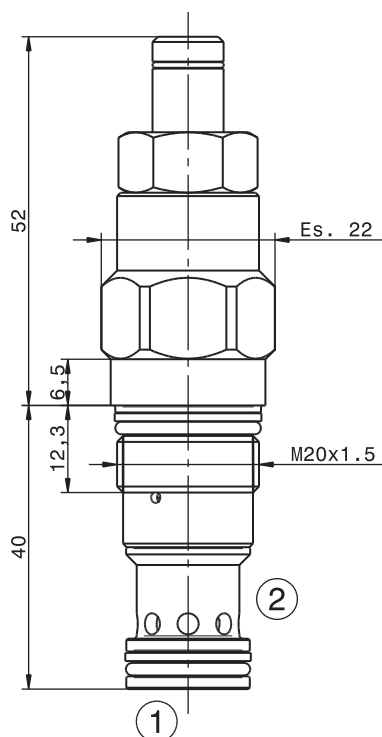


Portata massima <i>Max flow</i>	90 l/min <i>24 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Coppia di serraggio <i>Installation torque</i>	40 ÷ 45 Nm <i>30 ÷ 34 lbf ft</i>

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

Taratura / Setting			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Pressure increase <i>bar/psi per turn</i>
01	80 bar <i>1160 psi</i>	20÷100 bar <i>290÷1450 psi</i>	12.6 bar <i>183 psi</i>
02	180 bar <i>2600 psi</i>	40÷250 bar <i>580÷3600 psi</i>	31.3 bar <i>454 psi</i>
03	250 bar <i>3600 psi</i>	60÷350 bar <i>870÷5000 psi</i>	42.6 bar <i>618 psi</i>



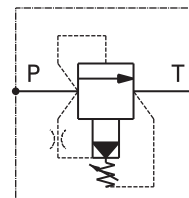
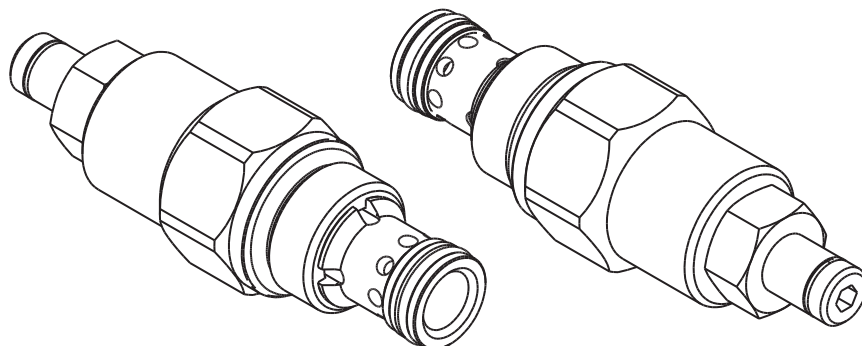
Regolazioni <i>Adjustments</i>	A	B	C	D
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>

Sigla di ordinazione / Ordering code

VLPPT10C	01	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

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

Valvola limitatrice di pressione pilotata a cartuccia
Pilot operated pressure relief valve – cartridge type
mod. VLPP-10-C

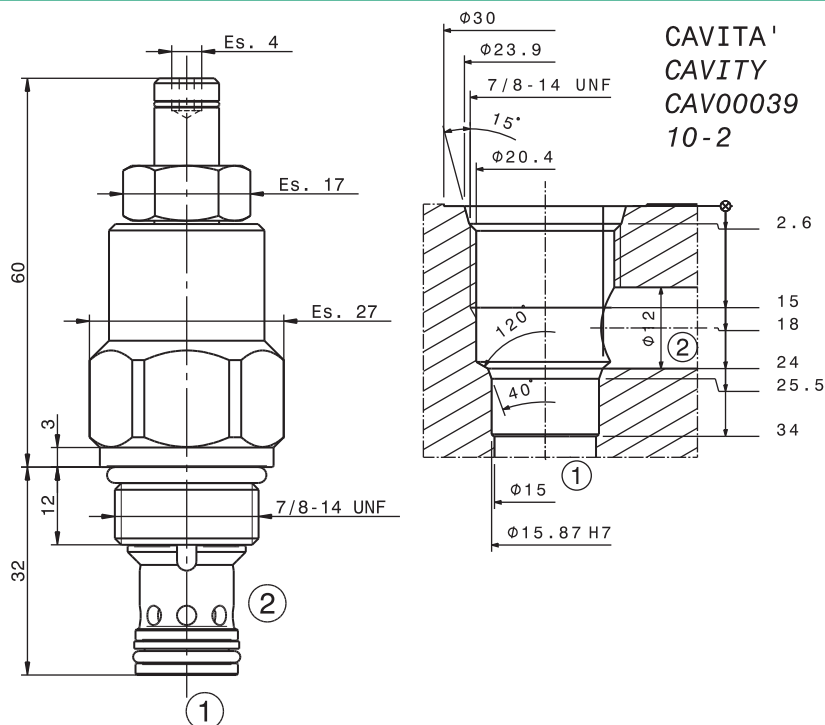


Portata massima <i>Max flow</i>	100 l/min 26 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	45 ÷ 50 Nm 33 ÷ 37 lbf ft

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

Taratura Setting			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Pressure increase bar/psi per turn
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	12.6 bar 183 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	31.3 bar 454 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	42.6 bar 618 psi



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Regolazioni Adjustments	A	B	C	D
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>

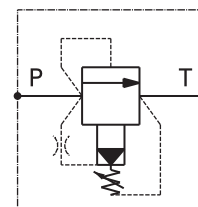
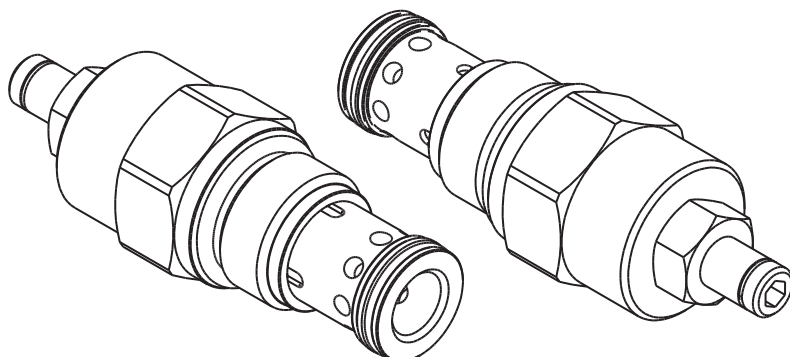
Sigla di ordinazione / Ordering code

VLPP10C	01	A
Modello Type	Codice taratura Setting code 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

For flow diagram see
 PRESSURE DROP RELIEF VALVE (15)

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 limitatrice di pressione pilotata a cartuccia
Pilot operated pressure relief valve – cartridge type
mod. VLPP-12-C

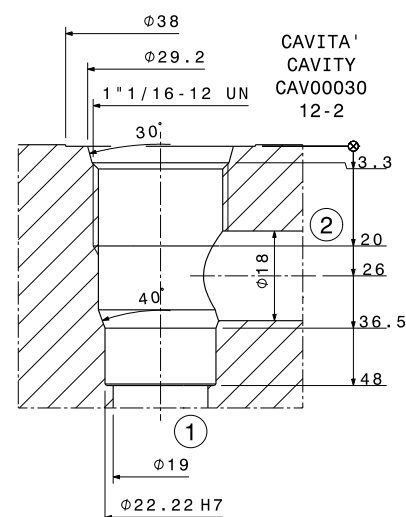
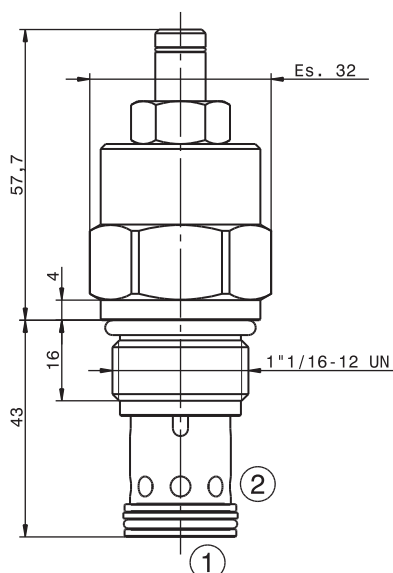


Portata massima <i>Max flow</i>	170 l/min 45 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	80 ÷ 100 Nm 60 ÷ 75 lbf ft

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Pressione increase <i>bar/psi per turn</i>
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	12.6 bar 183 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	31.3 bar 454 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	42.6 bar 618 psi



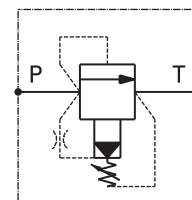
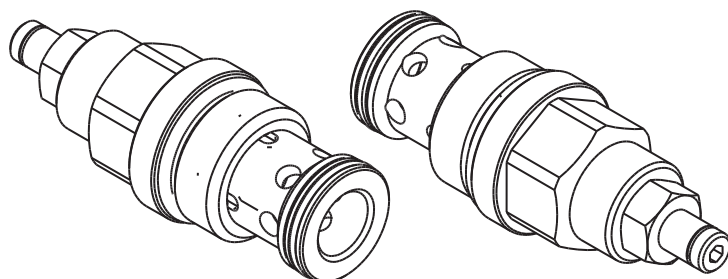
Regolazioni <i>Adjustments</i>	A Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	B Volantino e dado <i>Handknob and locknut</i>	C Piombatura <i>Sealing cap</i>	D Cappello <i>Cap</i>

VLPP12C	01	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
PRESSURE DROP RELIEF VALVE (16)

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 limitatrice di pressione pilotata a cartuccia
Pilot operated pressure relief valve – cartridge type
mod. VLPP-16-C

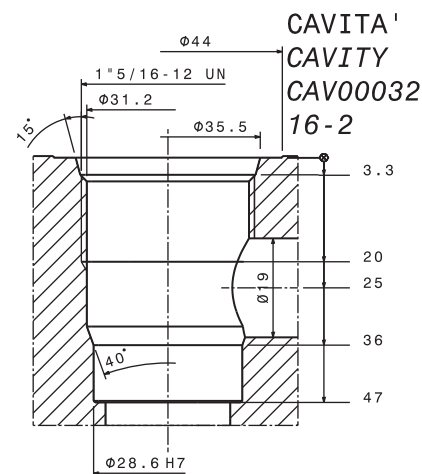
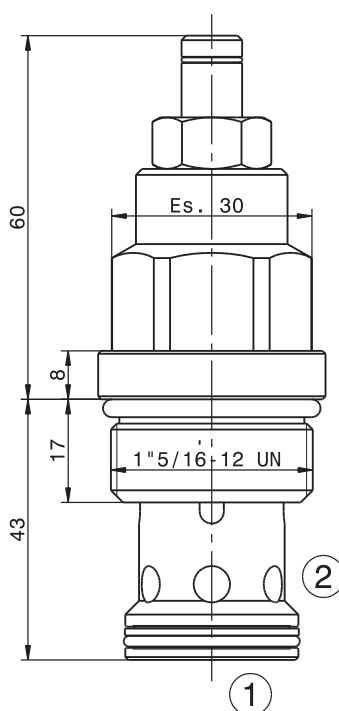


Portata massima <i>Max flow</i>	200 l/min 53 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	180 ÷ 210 Nm 130 ÷ 150 lbf ft

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

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Pressione increase <i>bar/psi per turn</i>
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	12.6 bar 183 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	31.3 bar 454 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	42.6 bar 618 psi



Regolazioni <i>Adjustments</i>	A	B	C	D
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappello <i>Cap</i>

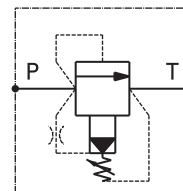
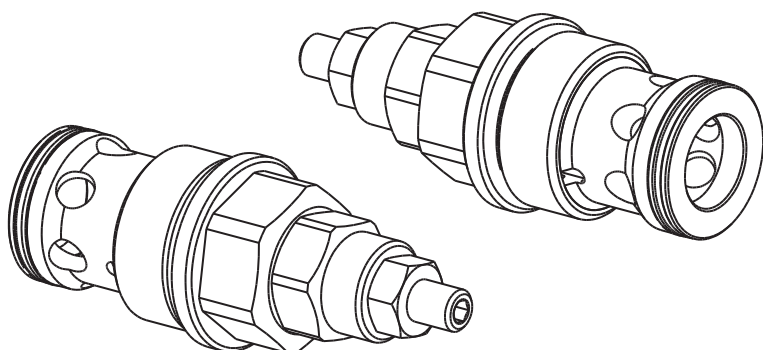
Sigla di ordinazione / Ordering code

VLPP16C	01	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
PRESSURE DROP RELIEF VALVE (17)

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 limitatrice di pressione pilotata a cartuccia
Pilot operated pressure relief valve – cartridge type
mod. VLPP-20-C

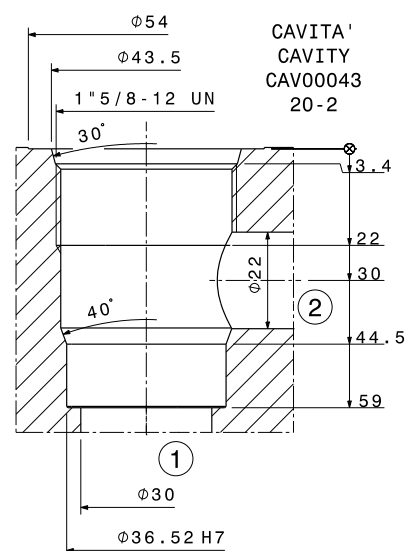
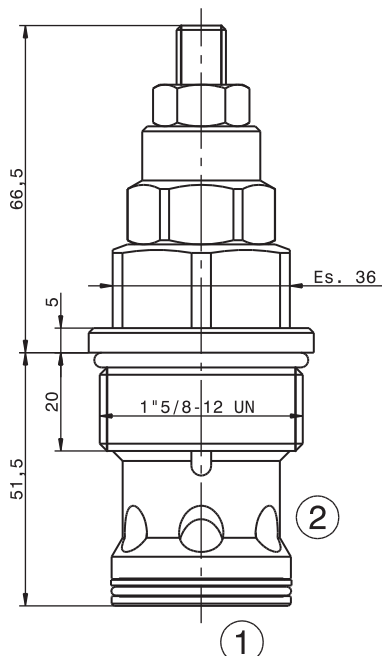


Portata massima <i>Max flow</i>	400 l/min 100 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	230 ÷ 250 Nm 170 ÷ 190 lbf ft

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Pressione increase <i>bar/psi per turn</i>
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	30.8 bar 447 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	70.7 bar 1025 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	103.8 bar 1505 psi



Regolazioni <i>Adjustments</i>	A	B	C	D
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>

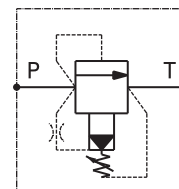
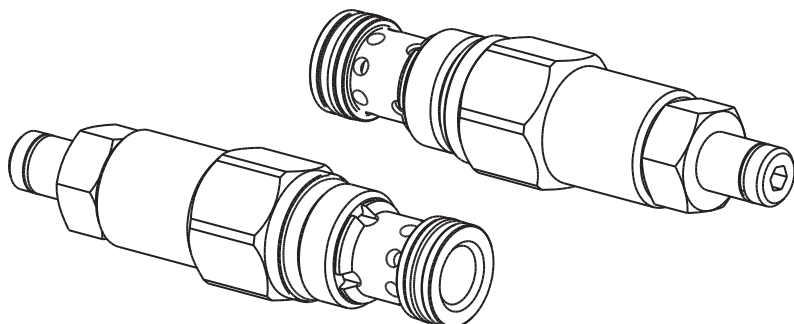
Sigla di ordinazione / Ordering code

VLPP20C	01	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
PRESSURE DROP RELIEF VALVE (18)

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 limitatrice di pressione pilotata a cartuccia
Pilot operated pressure relief valve – cartridge type
mod. VLPP-60-C

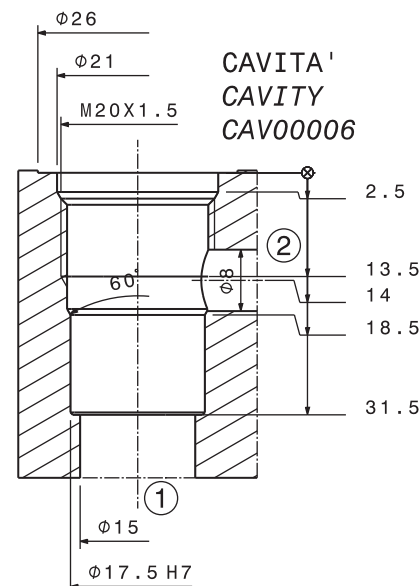
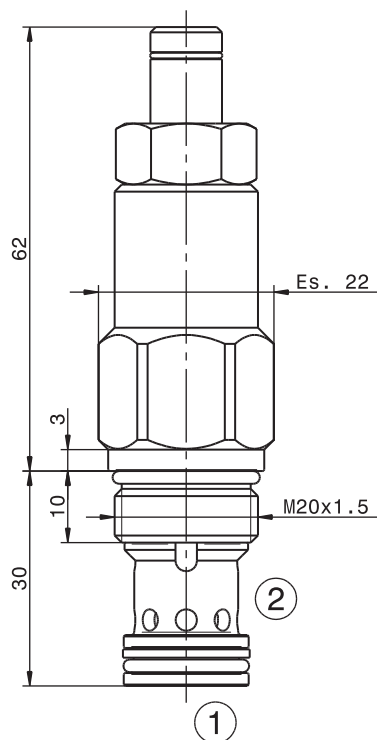


Portata massima <i>Max flow</i>	90 l/min 24 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	40 ÷ 45 Nm 30 ÷ 34 lbf ft

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

Viscosità consigliate <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

Taratura Setting			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Pressione increase bar/psi per turn
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	12.6 bar 183 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	31.3 bar 454 psi
03	250 bar 3600 psi	60÷350 bar 870÷5075 psi	42.6 bar 618 psi



Regolazioni Adjustments	A	B	C	D
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>

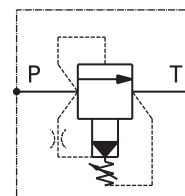
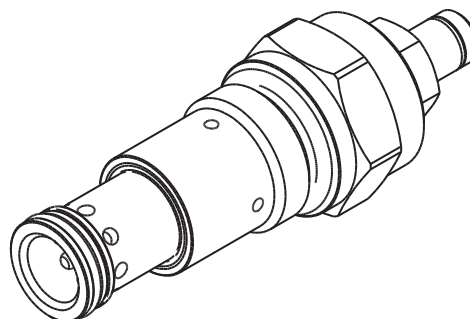
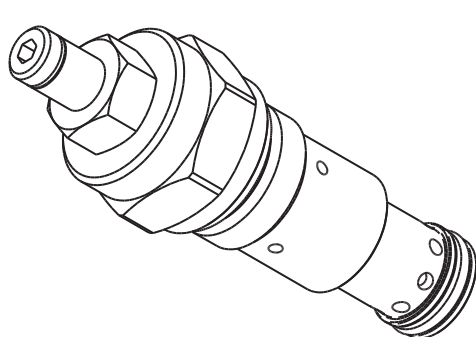
Sigla di ordinazione / Ordering code

VLPP60C	01	A
Modello Type	Codice taratura Setting code 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

For flow diagram see
 PRESSURE DROP RELIEF VALVE (19)

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 limitatrice di pressione pilotata a cartuccia
Pilot operated relief valve – cartridge type
mod. VLPP150-C

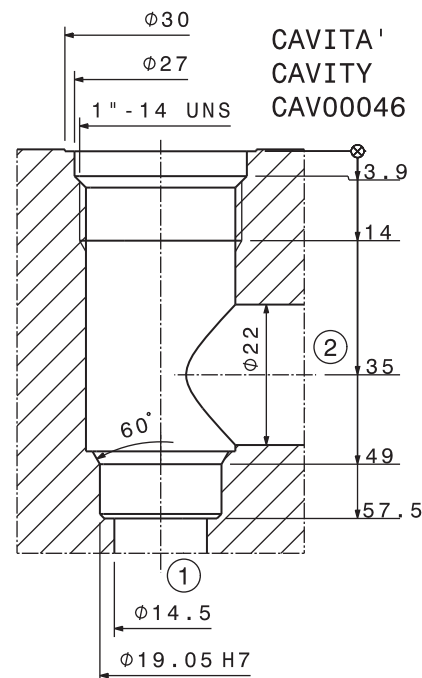
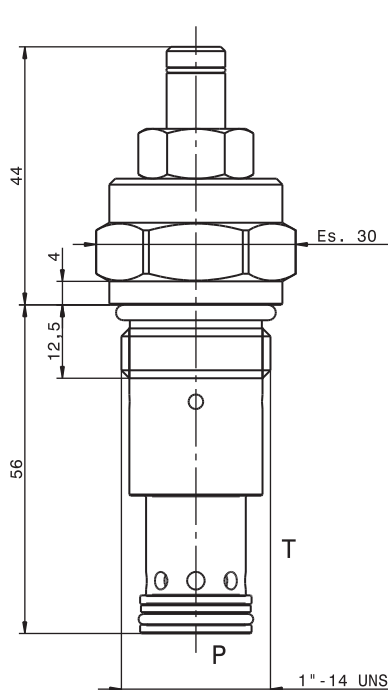


Portata massima <i>Max flow</i>	150 l/min 40 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	120 ÷ 130 Nm 90 ÷ 97 lb ft

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

Taratura Setting			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring colour
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black



Regolazioni Adjustments	A	B	C	D
	 Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	 Volantino e dado <i>Handknob and locknut</i>	 Piombatura <i>Sealing cap</i>	 Cappello <i>Cap</i>

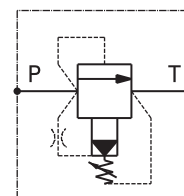
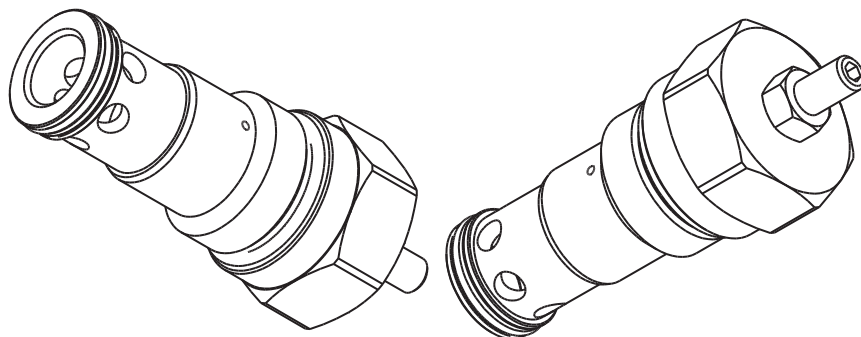
Sigla di ordinazione / Ordering code

VLPP150C	02	A
Modello Type	Codice taratura Setting code 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

For flow diagram see
PRESSURE DROP RELIEF VALVE (20)

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.

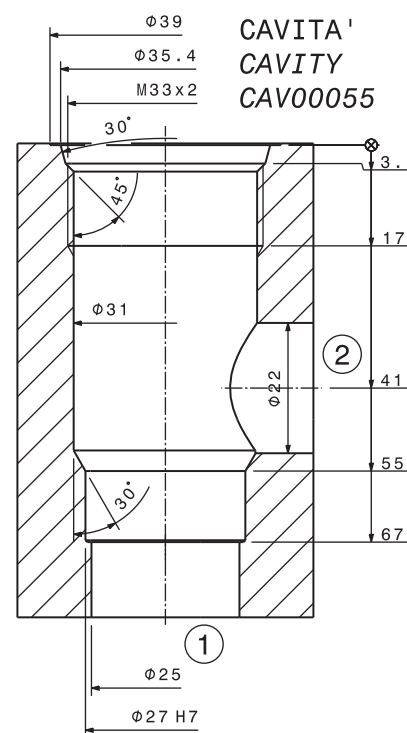
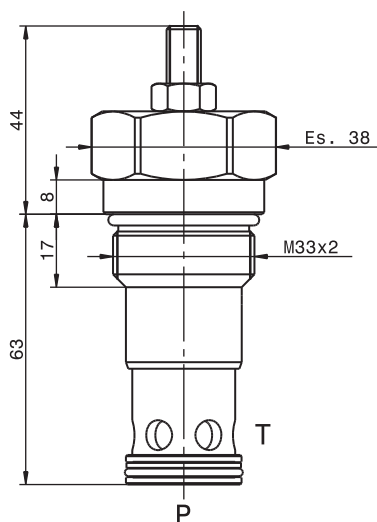
Valvola limitatrice di pressione pilotata a cartuccia
Pilot operated relief valve – cartridge type
mod. VLP200-PC



Portata massima <i>Max flow</i>	200 l/min 53 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	180 ÷ 200 Nm 135 ÷ 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



Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black

Regolazioni <i>Adjustments</i>			
A		B	
C		D	

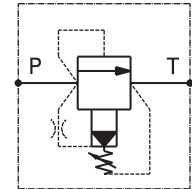
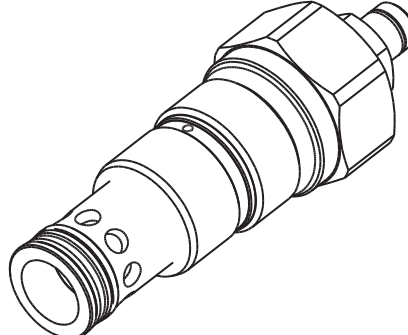
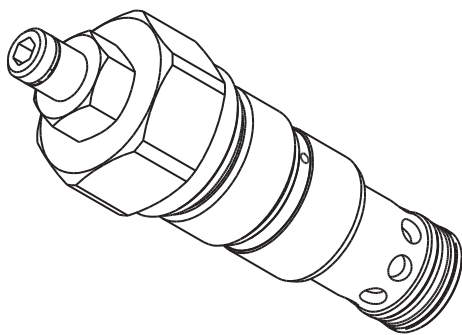
Sigla di ordinazione / Ordering code

VLP200-PC	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
 PRESSURE DROP RELIEF VALVE (19)

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 limitatrice di pressione pilotata a cartuccia
Pilot operated relief valve – cartridge type
mod. VLP200-PC M28X1,5

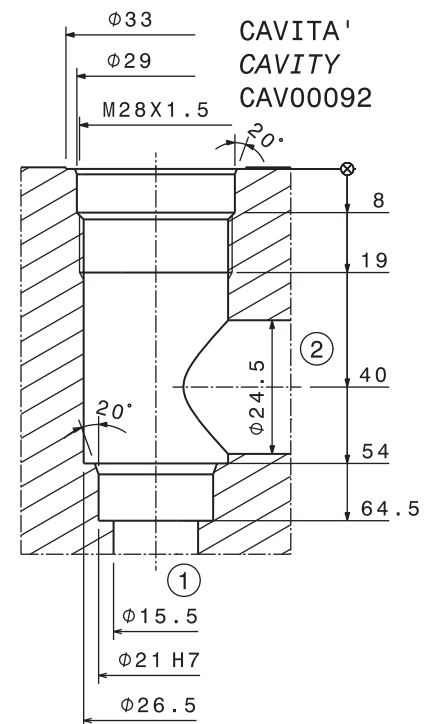
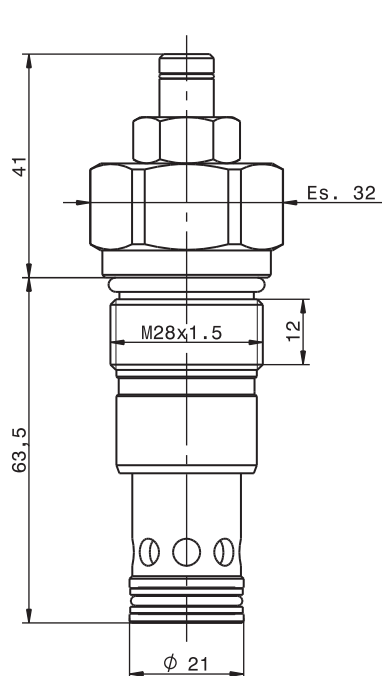


Portata massima <i>Max flow</i>	200 l/min 53 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	120 ÷ 140 Nm 95 ÷ 105 lb ft

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black



Regolazioni <i>Adjustments</i>	A	B	C	D
	 Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	 Volantino e dado <i>Handknob and locknut</i>	 Piombatura <i>Sealing cap</i>	 Cappellotto <i>Cap</i>

Sigla di ordinazione / Ordering code

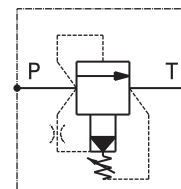
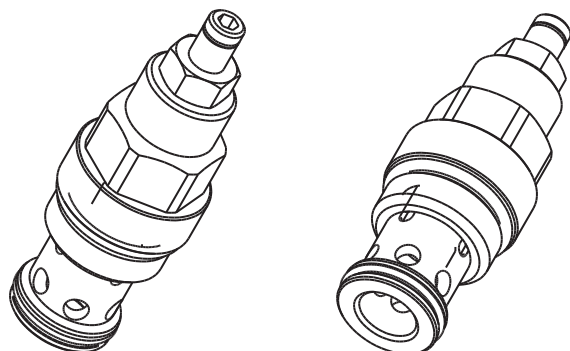
VLP200-PC — 02 — A — M28X1,5

Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D	filettatura <i>thread</i>
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For flow diagram see
PRESSURE DROP RELIEF VALVE (20)

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 limitatrice di pressione pilotata a cartuccia
Pilot operated relief valve with – cartridge type
mod. VLPP-33-C

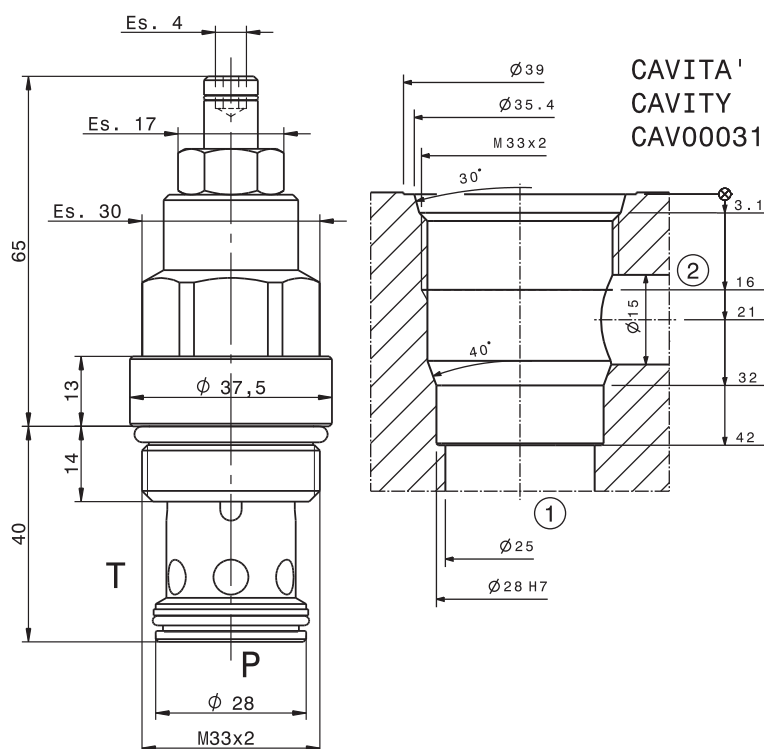


Portata massima <i>Max flow</i>	250 l/min 65 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	160 ÷ 180 Nm 120 ÷ 135 lb ft

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black



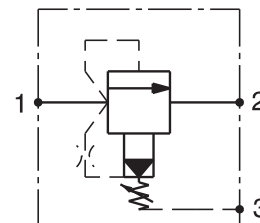
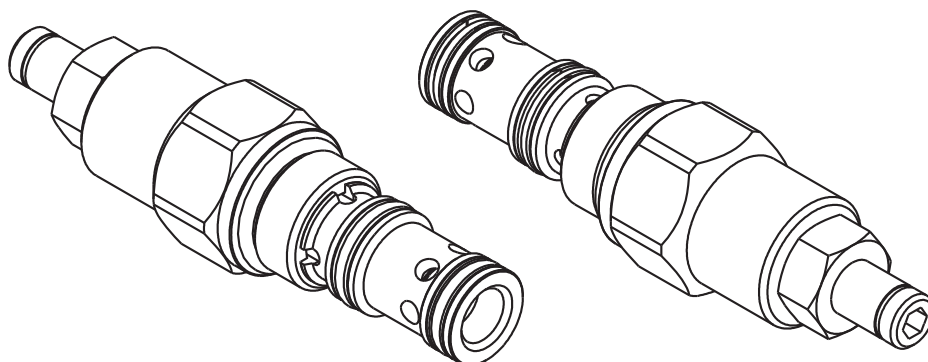
Regolazioni <i>Adjustments</i>	A	B	C	D
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappello <i>Cap</i>

Sigla di ordinazione / Ordering code

VLPP-33-C	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

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

Valvola limitatrice di pressione pilotata a cartuccia con drenaggio esterno
Pilot operated pressure relief valve – cartridge type with pilot drain
mod. VLPP-DE-10-C

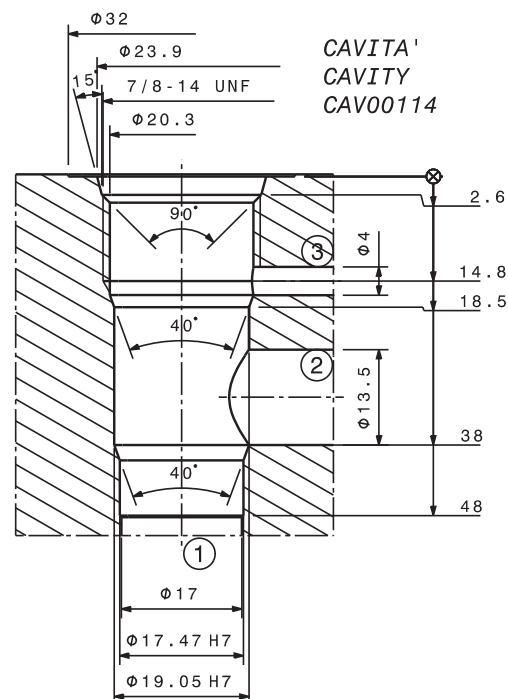
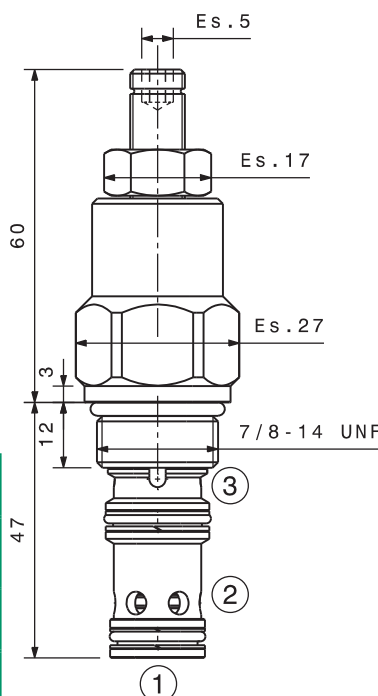


Portata massima <i>Max flow</i>	120 l/min 31.6 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	45 ÷ 50 Nm 33 ÷ 37 lb ft

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Pressione increase <i>bar/psi per turn</i>
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	12.6 bar 183 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	31.3 bar 454 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	42.6 bar 618 psi



Regolazioni <i>Adjustments</i>			
Regolazioni <i>Adjustments</i>	A	B	C
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>
	D		
	Cappellotto <i>Cap</i>		

Sigla di ordinazione / Ordering code

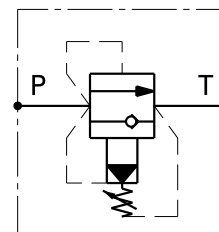
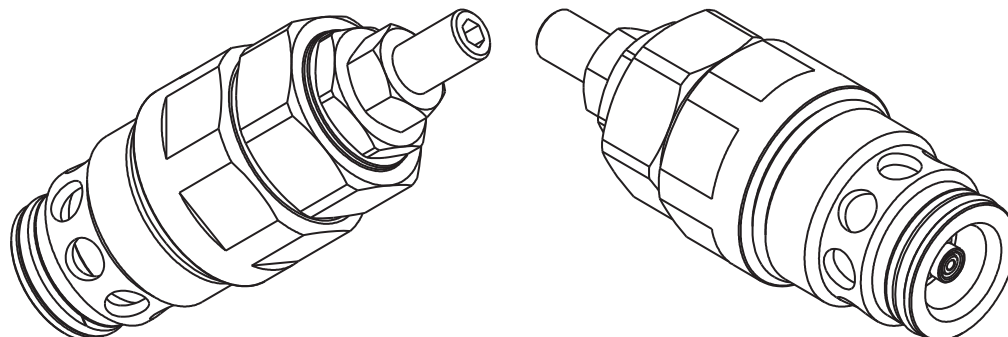
VLPPDE10C	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

For flow diagram see
PRESSURE DROP RELIEF VALVE (15)

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 limitatrice di pressione pilotata con funzione anticavitazione, a cartuccia
Pilot operated relief valve with anticavitation function – cartridge type

mod. VLPPC-28-C

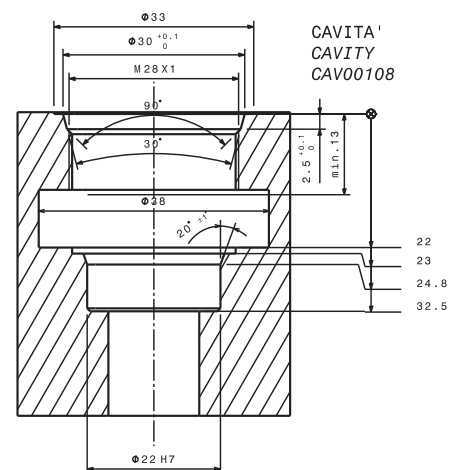
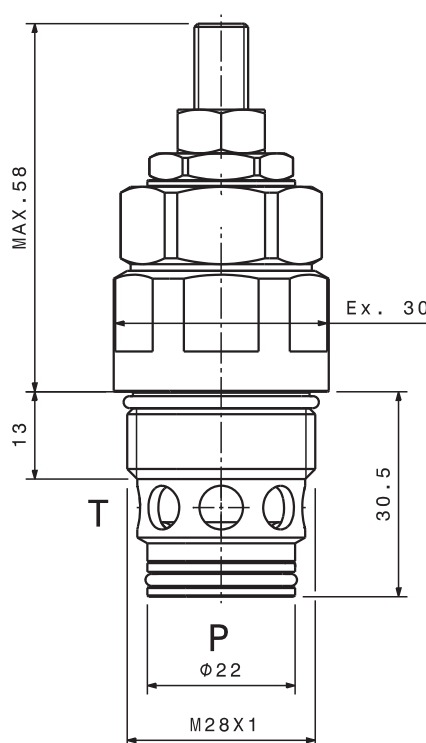


Portata massima <i>Max flow</i>	200 l/min 53 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	120 ÷ 140 Nm 95 ÷ 105 lb ft

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

Taratura <i>Setting</i>		
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi



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

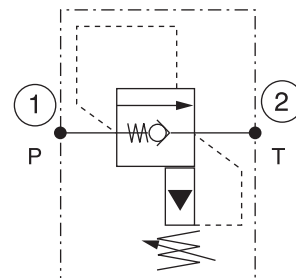
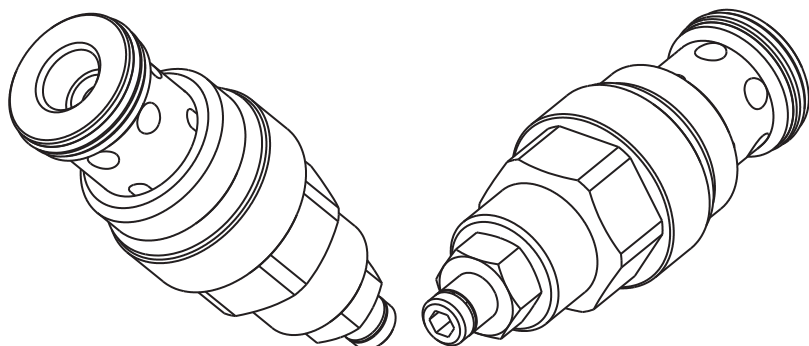
Sigla di ordinazione / Ordering code

VLPPC-28-C	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

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

Valvola limitatrice di pressione pilotata con valvola di non ritorno, a cartuccia
Pilot operated relief valve with reverse flow- cartridge type

mod. VLPPC-33-C

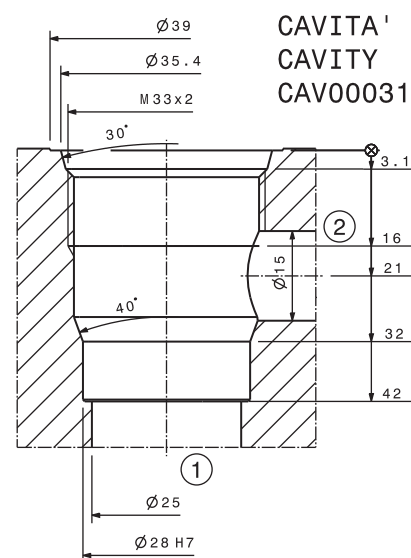
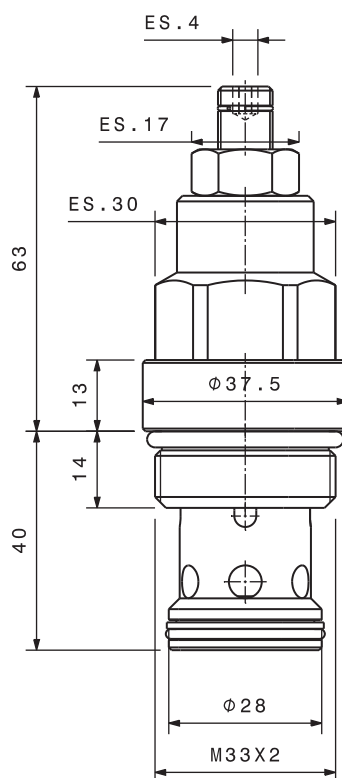


Portata massima <i>Max flow</i>	150 l/min 40 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	160 ÷ 180 Nm 120 ÷ 135 lb ft

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black



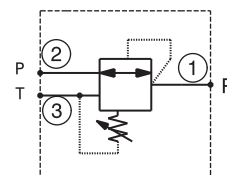
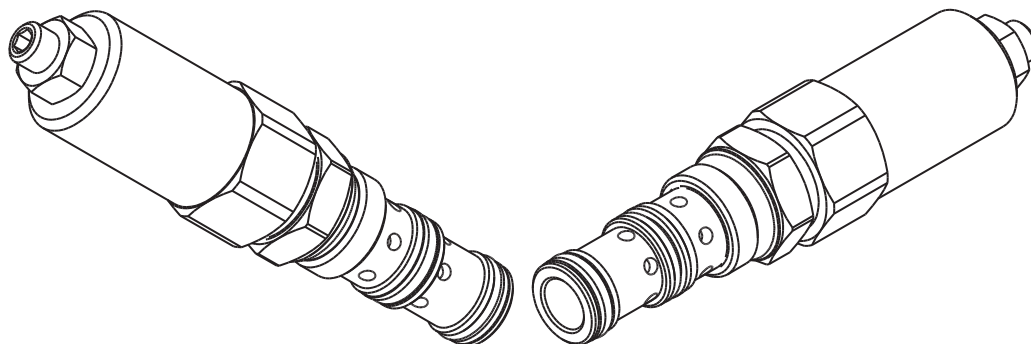
Regolazioni <i>Adjustments</i>	A	B	C	D
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	Volantino e dado <i>Handknob and locknut</i>	Piombatura <i>Sealing cap</i>	Cappellotto <i>Cap</i>

Sigla di ordinazione / Ordering code

VLPPC-33-C	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

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

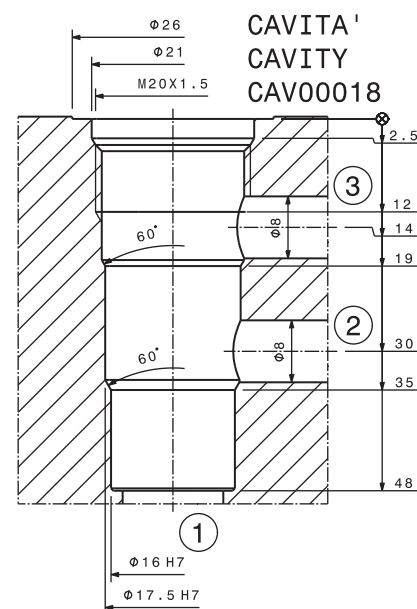
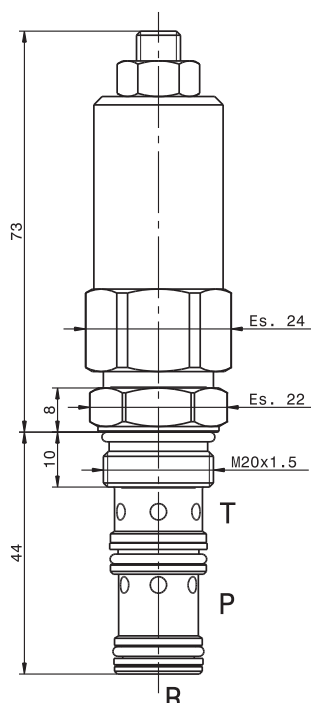
Valvola riduttrice di pressione diretta a cartuccia
Direct acting pressure reducing valve – cartridge type
mod. RP25-C



Portata massima <i>Max flow</i>	25 l/min <i>6.6 gpm</i>
Pressione massima in entrata <i>Max inlet pressure</i>	300 bar <i>4300 psi</i>
Pressione massima regolata <i>Max regulated pressure</i>	130 bar <i>1900 psi</i>
Coppia di serraggio <i>Installation torque</i>	27 ÷ 30 Nm <i>20 ÷ 22.5 lb ft</i>

Taratura <i>Setting</i>	Bar/Giro <i>Bar/Turn</i>
01	10
02	20
03	25

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
00*	20 bar <i>290 psi</i>	5÷25 bar <i>72.5÷362 psi</i>	Nero <i>Black</i>
01	80 bar <i>1160 psi</i>	20÷100 bar <i>290÷1450 psi</i>	Giallo <i>Yellow</i>
02	120 bar <i>1750 psi</i>	40÷130 bar <i>580÷1900 psi</i>	Nero <i>Black</i>



Regolazioni <i>Adjustments</i>			
A		B	
C		D	

Sigla di ordinazione / Ordering code

RP25-C	02	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 00, 01, 02	Codice regolazione <i>Adjustment code</i> A, B, C, D

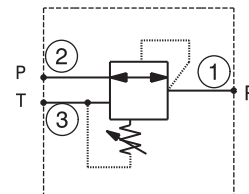
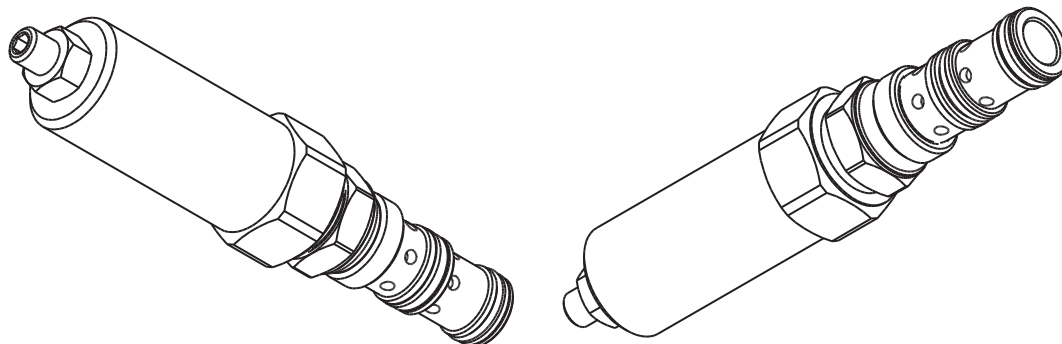
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

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.

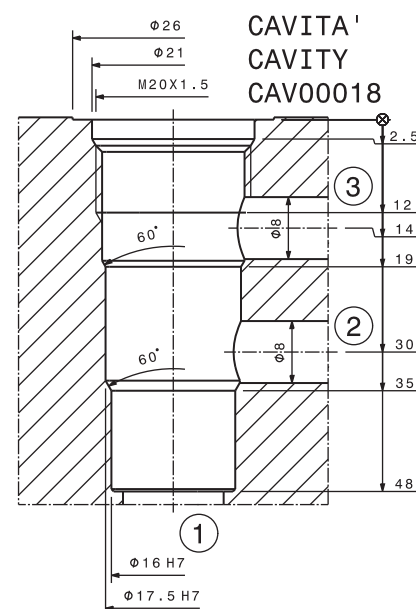
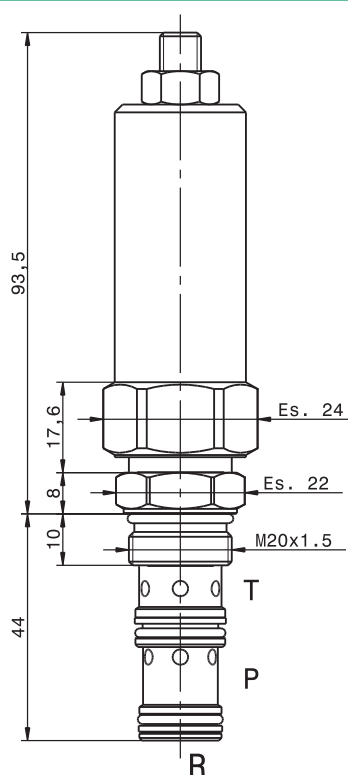
Valvola riduttrice di pressione diretta a cartuccia
Direct acting pressure reducing valve – cartridge type

mod. RP25-C-03



Portata massima <i>Max flow</i>	25 l/min <i>6.6 gpm</i>
Pressione massima in entrata <i>Max inlet pressure</i>	300 bar <i>4300 psi</i>
Pressione massima regolata <i>Max regulated pressure</i>	230 bar <i>3350 psi</i>
Coppia di serraggio <i>Installation torque</i>	27 ÷ 30 Nm <i>20 ÷ 22.5 lb ft</i>

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
03	220 bar <i>3190 psi</i>	100÷230 bar <i>1450÷3350 psi</i>	Nero <i>Black</i>



Regolazioni <i>Adjustments</i>			
A		B	
	Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>		Volantino e dado <i>Handknob and locknut</i>
C		D	
	Piombatura <i>Sealing cap</i>		Cappellotto <i>Cap</i>

Sigla di ordinazione / Ordering code

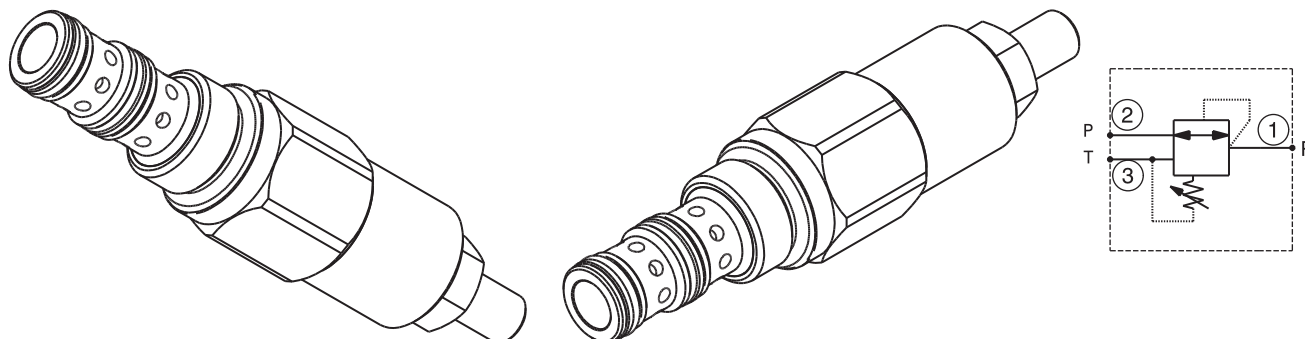
RP25-C	03	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

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

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 riduttrice di pressione diretta a cartuccia
Direct acting pressure reducing valve – cartridge type
mod. RP10-C

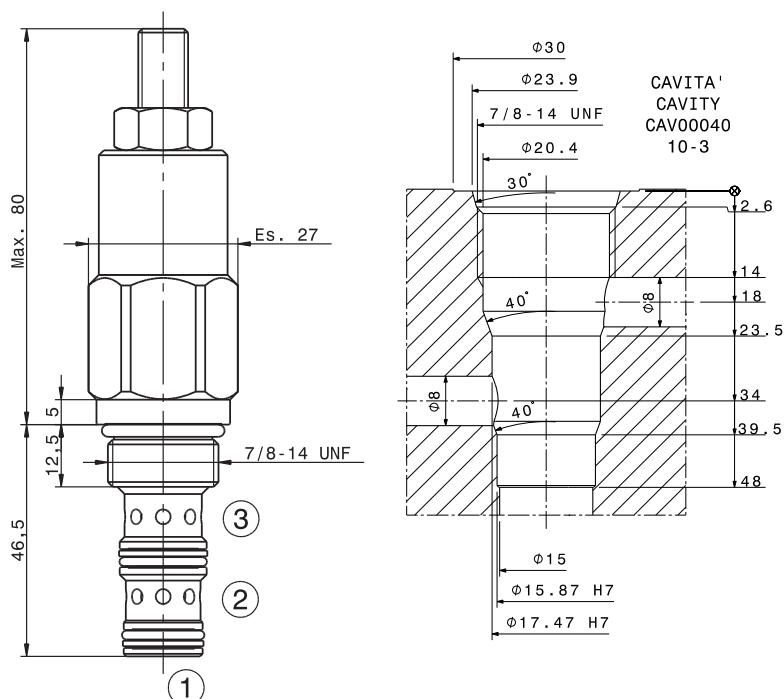


Portata massima <i>Max flow</i>	30 l/min 8 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	45 ÷ 50 Nm 33 ÷ 37 lbf ft

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

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
00*	20 bar 290 psi	5÷25 bar 72.5÷362 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Giallo Yellow
02	120 bar 1750 psi	40÷130 bar 580÷1900 psi	Nero Black



Regolazioni <i>Adjustments</i>			
A		B	
C		D	

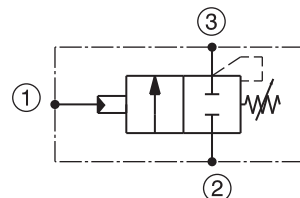
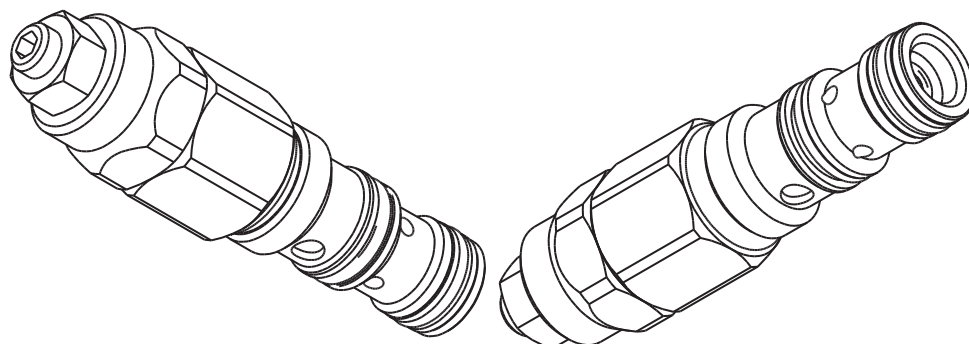
Sigla di ordinazione / Ordering code

RP10-C	01	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

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

Valvola di sequenza 3 vie normalmente chiusa a cartuccia
3 ways, normally closed sequence valve – cartridge type

mod. VP-C

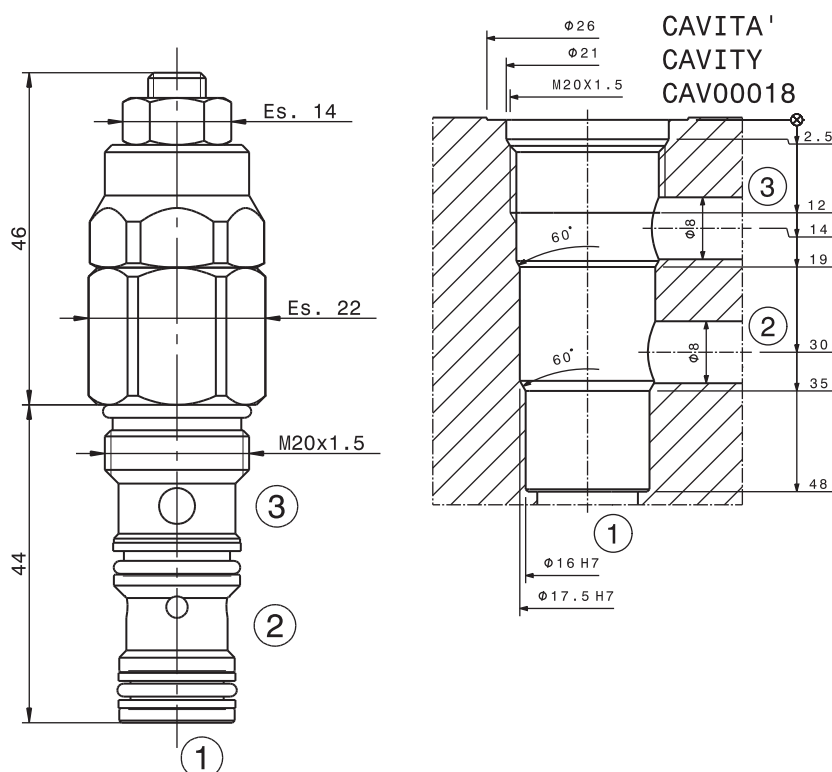


Portata massima Max flow	5 l/min 1.3 gpm
Pressione massima in entrata Max inlet pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 22.5 lb ft
Campo di taratura Setting range	10 ÷ 190 bar 145 psi ÷ 2750 psi
Taratura standard Standard setting	100 bar 1450 psi

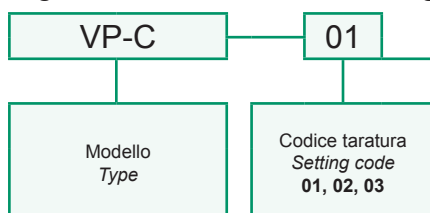
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

Taratura Setting			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring colour
01	100 bar 1450 psi	10÷100 bar 145÷1160 psi	Bianco White
02	130 bar 1885 psi	20÷170 bar 290÷2465 psi	Giallo Yellow
03	180 bar 2610 psi	30÷190 bar 435÷2755 psi	Nero Black

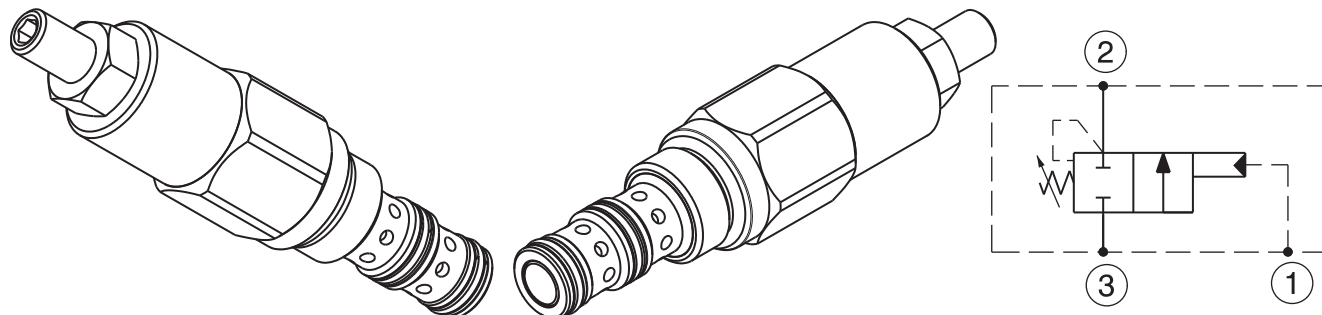


Sigla di ordinazione / Ordering code



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 direzionale pilotata 3 vie a cartuccia
 3 Ways directional valve hydraulic pilot- cartridge typ
 mod. VSQ10-30-C

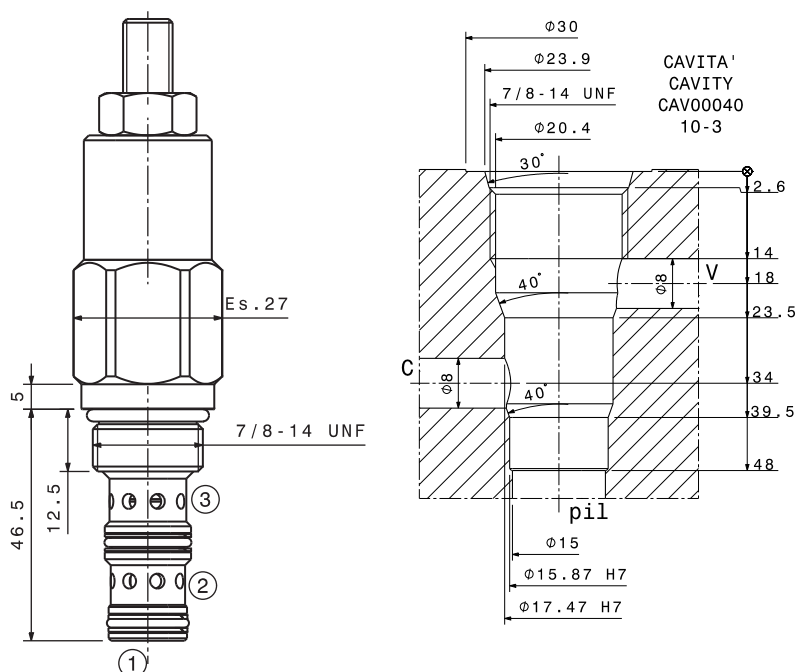


Portata massima Max flow	40 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	45 ÷ 50 Nm 33 ÷ 37 lbf ft

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

Taratura Setting		Portata di taratura Setting flow rate	5 l/min 1.3 gpm
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Pressure increase bar/psi per turn
01	60 bar 870 psi	10÷80 bar 145÷1160 psi	14 bar 203 psi
02	80 bar 1160 psi	10÷120 bar 145÷1750 psi	34 bar 493 psi
03	120 bar 1750 psi	20÷160 bar 290÷2300 psi	55 bar 798 psi



Regolazioni Adjustments	A	B	C	D
	Vite esterna esagono incassato Leak-proof hex socket screw	Volantino e dado Handknob and locknut	Piombatura Sealing cap	Cappello Cap

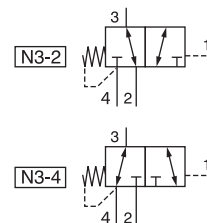
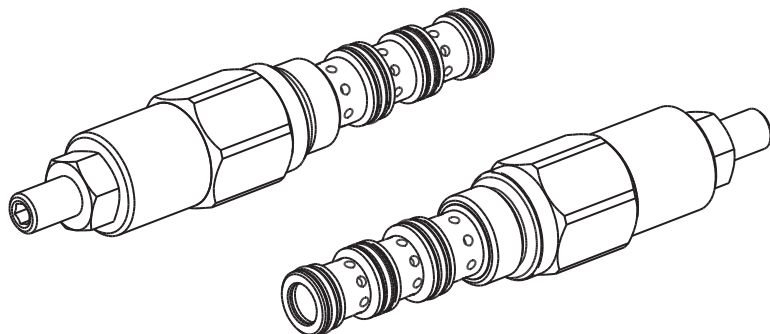
Sigla di ordinazione / Ordering code

VSQ1030C	01	A
Modello Type	Codice taratura Setting code 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

For flow diagram see
 PRESSURE DROP SEQUENCE VALVE (1)

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 direzionale pilotata 4 vie a cartuccia
4 Ways directional valve hydraulic pilot- cartridge type
mod. VSQ10-40-C

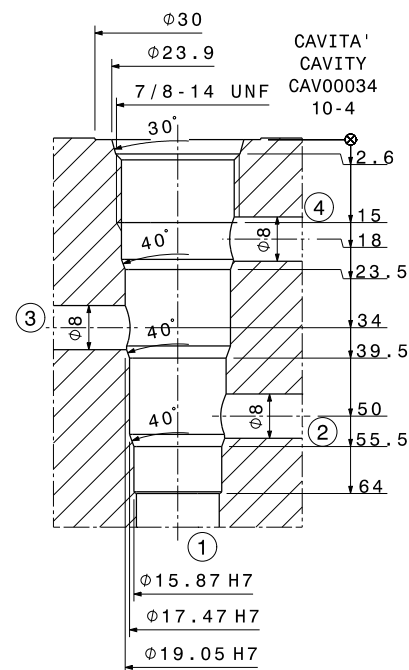
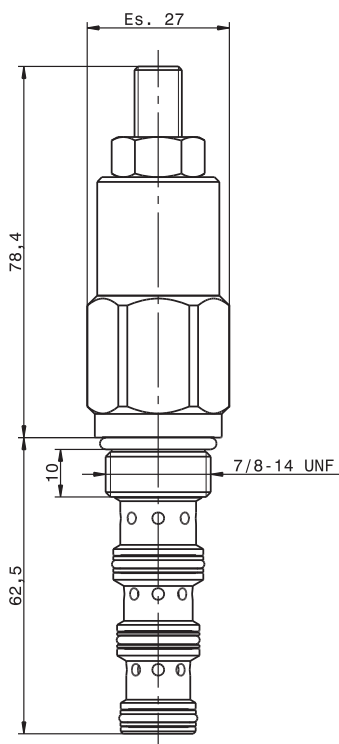


Portata massima Max flow	40 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	45 ÷ 50 Nm 33 ÷ 37 lbf ft

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

Taratura Setting			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Pressure increase bar/psi per turn
01	60 bar 870 psi	10÷80 bar 145÷1160 psi	14 bar 203 psi
02	80 bar 1160 psi	10÷120 bar 145÷1750 psi	34 bar 493 psi
03	120 bar 1750 psi	20÷160 bar 290÷2300 psi	55 bar 797 psi



Regolazioni Adjustments	A	B	C	D
	Vite esterna esagono incassato Leak-proof hex socket screw	Volantino e dado Handknob and locknut	Piombatura Sealing cap	Cappello Cap

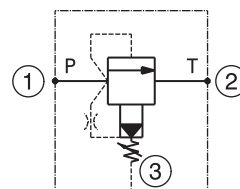
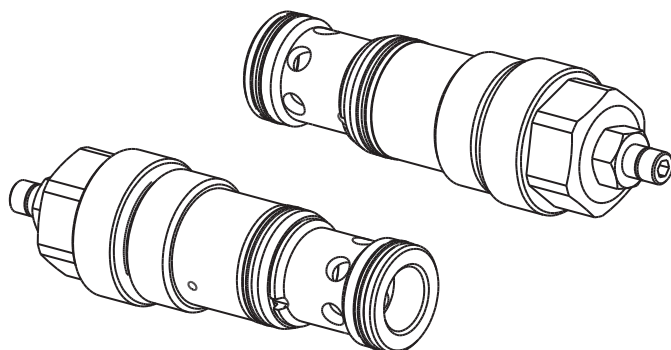
Sigla di ordinazione / Ordering code

VSQ1040C	01	A	N3-2
Modello Type	Codice taratura Setting code 01, 02, 03	Codice regolazione Adjustment code A, B, C, D	Tipo circuito Circuit type N3-2 / N3-4 bidirezionale bidirectional

For flow diagram see
PRESSURE DROP SEQUENCE VALVE (2)

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 sequenza pilotata a cartuccia
 Pilot operated sequence valve – cartridge type
 mod. VSQP-20-C

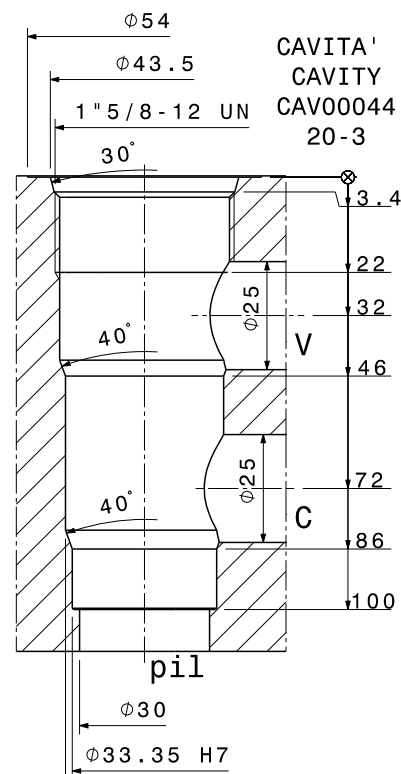
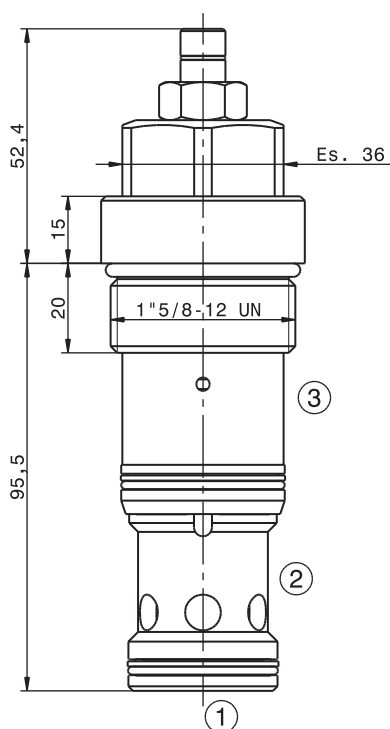


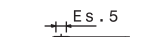
Portata massima Max flow	400 l/min 100 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	230 ÷ 250 Nm 170 ÷ 190 lbf ft

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

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

Taratura Setting			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Pressione increase bar/psi per turn
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	30.8 bar 447 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	70.7 bar 1025 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	103.8 bar 1505 psi



Regolazioni Adjustments	A		B		C		D	
	Vite esterna esagono incassato Leak-proof hex socket screw		Volantino e dado Handknob and locknut		Piombatura Sealing cap		Cappello Cap	

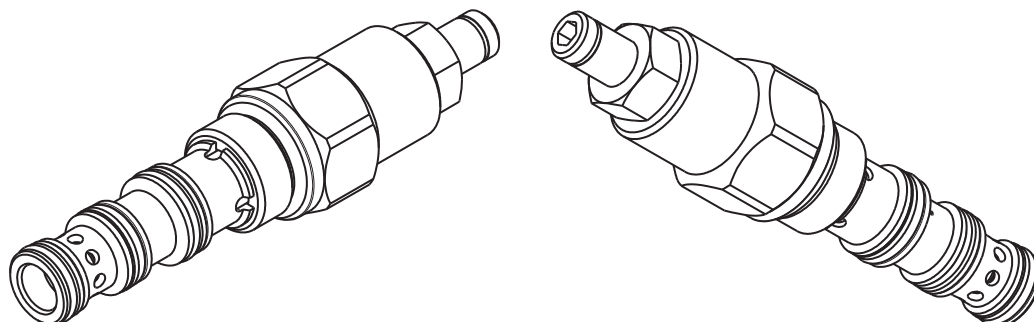
Sigla di ordinazione / Ordering code

VSQP20C	01	A
Modello Type	Codice taratura Setting code 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

For flow diagram see
 PRESSURE DROP SEQUENCE VALVE (3)

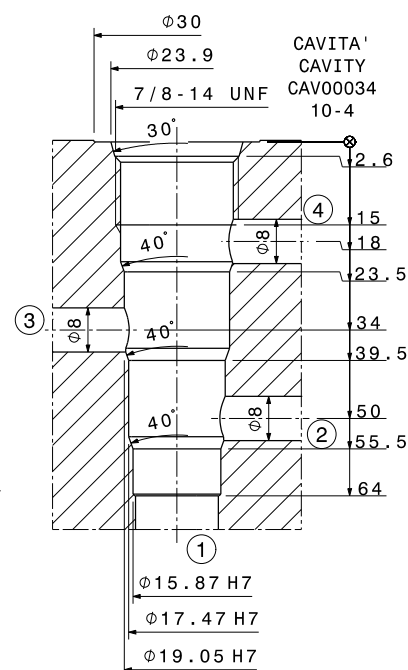
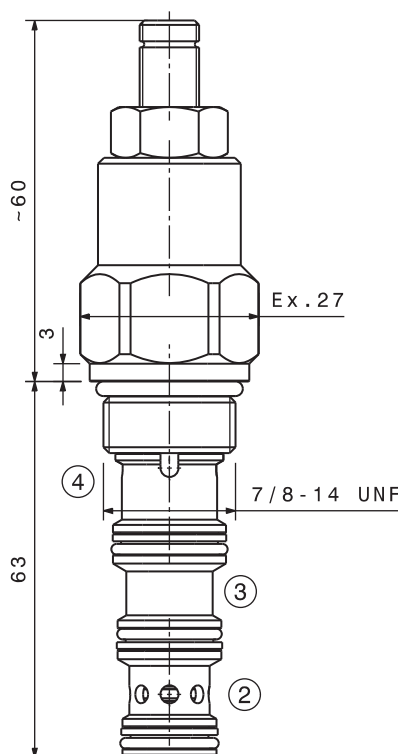
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola di messa a scarico pilotata
Priority unloading valve pilot operated – cartridge type
mod. VMSP10-4-C



Portata massima Max flow	30 l/min 8 gpm
Pressione massima Max pressure	350 bar 5000 psi
Re-seat	85 +- 4% of pressure setting
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

Taratura Setting		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
01	80 bar 1160 psi	30÷120 bar 290÷1450 psi
02	180 bar 2600 psi	40÷210 bar 580÷3600 psi



Regolazioni Adjustments			
A		B	
	Vite esterna esagono incassato Leak-proof hex socket screw		Volantino e dado Handknob and locknut
C		D	
	Piombatura Sealing cap		Cappellotto Cap

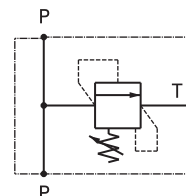
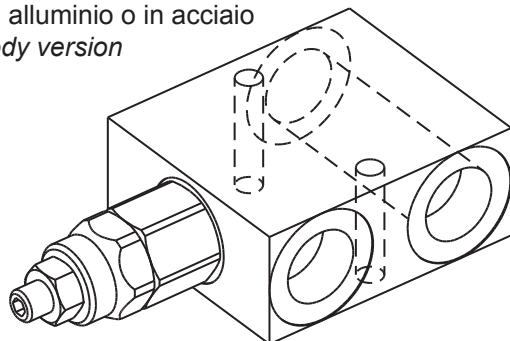
Sigla di ordinazione / Ordering code

VMSP10-4-C	01	A
Modello Type	Codice taratura Setting code 01, 02	Codice regolazione Adjustment code A, B, C, D

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

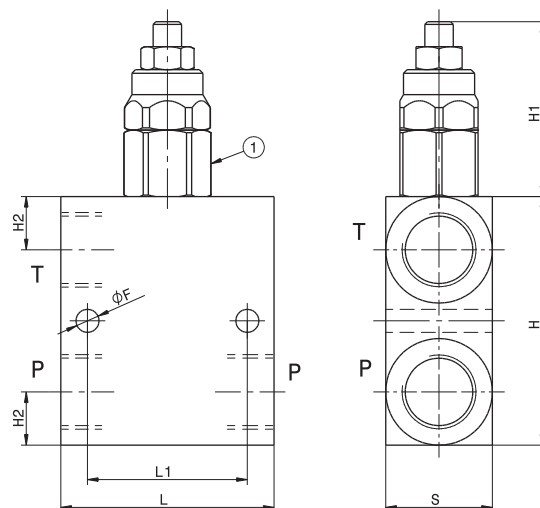
Valvola limitatrice di pressione
Relief valve
mod. VLP

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



Modello Type	P, T	Pressione max alluminio* Max pressure aluminium*	Portata max Max. flow
VLP5-18	1/8" GAS	350 bar 5000 psi	5 l/min 1.3 gpm
VLP40-14	1/4" GAS	350 bar 5000 psi	25 l/min 6.6 gpm
VLP40-38	3/8" GAS	350 bar 5000 psi	35 l/min 9 gpm
VLP40-12	1/2" GAS	350 bar 5000 psi	40 l/min 10.5 gpm
VLP80-12	1/2" GAS	300 bar 4300 psi	80 l/min 21 gpm
VLP80-34	3/4" GAS	300 bar 4300 psi	80 l/min 21 gpm
VLP130-34	3/4" GAS	300 bar 4300 psi	130 l/min 34 gpm
VLP130-10	1" GAS	300 bar 4300 psi	130 l/min 34 gpm

* Pressione max. corpo in acciaio 350 bar
* Max pressure steel body version 5000 psi



For flow diagram see performance of cartridge

Taratura Setting		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
00	40 bar 580 psi	5÷40 bar 72.5÷580 psi
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi

Regolazioni Adjustments			
A Vite esterna esagono incassato Leak-proof hex socket screw	B Volantino e dado Handknob and locknut	C Piombatura Sealing cap	D Cappellotto Cap

Modello Type	①	L	L1	H	H1	H2	F	S
VLP5-18	VLP5C	35	24	40	30	10	5.5	25
VLP40-14	VLP40C	50	35	50	50	13	5.5	30
VLP40-38	VLP40C	60	45	60	50	15	6.5	30
VLP40-12	VLP40C	60	45	70	50	15	6.5	30
VLP80-12	VLP80C	60	45	70	62	16	6.5	35
VLP80-34	VLP80C	70	45	90	62	20	6.5	40
VLP130-34	VLP130CD	70	50	90	62	20	8.5	40
VLP130-10	VLP130CD	70	50	100	62	23	8.5	50

Sigla di ordinazione / Ordering code

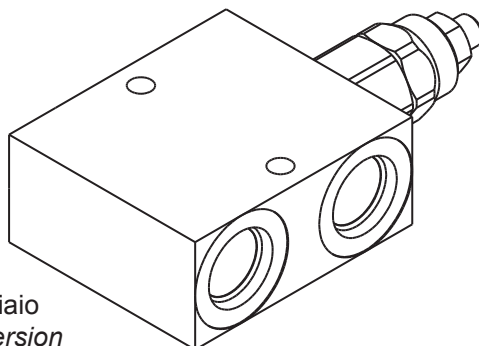
VLP40-14	02	A	-
Modello Type	Codice taratura Setting code 00, 01, 02, 03	Codice regolazione Adjustment code A, B, C, D	- Alluminio / Aluminium A Acciaio / Steel

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

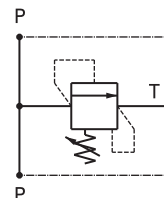
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

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

Valvola limitatrice di pressione
Relief valve
mod. VLP40-08S

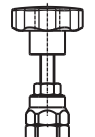
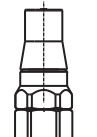


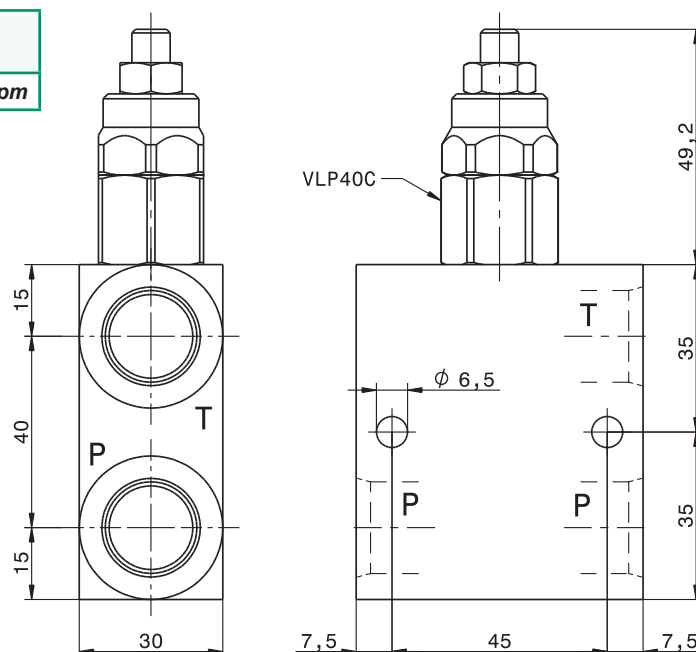
Corpo in alluminio o in acciaio
Aluminium or steel body version



Modello Type	P, T	Pressione max Max pressure	Portata max Max. flow
VLP40-08S	#08 SAE	350 bar 5000 psi	40 l/min 10.5 gpm

Taratura Setting		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
00	40 bar 580 psi	5÷40 bar 72.5÷580 psi
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi

Regolazioni Adjustments			
A  Vite esterna esagono incassato Leak-proof hex socket screw	B  Volantino e dado Handknob and locknut	C  Piombatura Sealing cap	D  Cappello Cap



Sigla di ordinazione / Ordering code

VLP40-08S	02	A	-
Modello Type	Codice taratura Setting code 00, 01, 02, 03	Codice regolazione Adjustment code A, B, C, D	- Alluminio / Aluminium A Acciaio / Steel

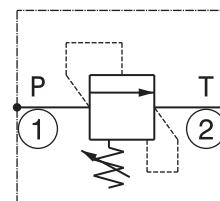
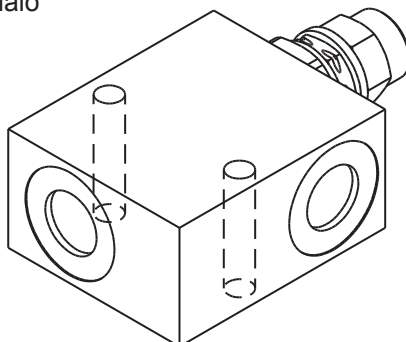
For flow diagram see performance of cartridge

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

Valvola limitatrice di pressione
Relief valve
mod. VLP10

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

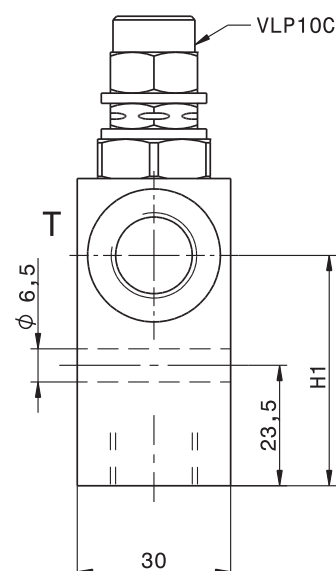
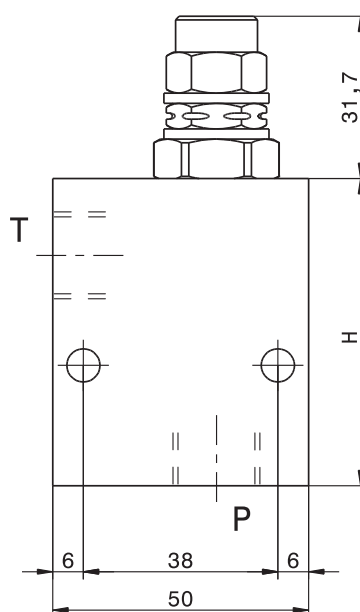


Modello Type	P, T	Pressione max. Max. pressure	Portata max Max. flow
VLP10-14	1/4" GAS	350 bar 5000 psi	10 l/min 2.7 gpm
VLP10-38	3/8" GAS	350 bar 5000 psi	10 l/min 2.7 gpm

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

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

Taratura Setting			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring colour
00	25 bar 362 psi	10÷25 bar 145÷362 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black



Modello Type	H	H1	L
VLP10-14	50	37.5	30
VLP10-38	60	45	32

Sigla di ordinazione / Ordering code

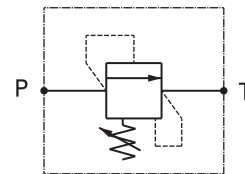
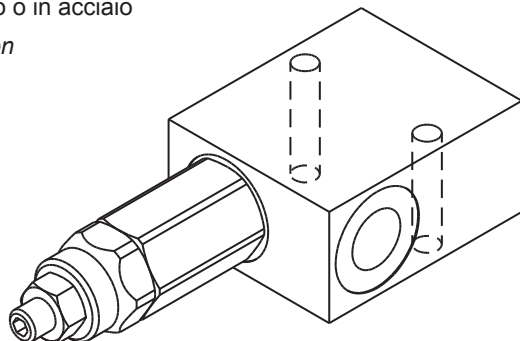
VLP10-14	02	D	-
Modello Type	Codice taratura Setting code 00, 01, 02, 03	Codice regolazione Adjustment code D	- Alluminio / Aluminium A Acciaio / Steel

For flow diagram see performance of cartridge

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 limitatrice di pressione
Relief valve
mod. VLP30

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



Modello Type	P, T	Pressione max. Max. pressure	Portata max Max. flow
VLP30-14	1/4" GAS	350 bar 5000 psi	25 l/min 6.6 gpm
VLP30-38	3/8" GAS	350 bar 5000 psi	30 l/min 8 gpm
VLP30-12	1/2" GAS	350 bar 5000 psi	30 l/min 8 gpm

**Taratura
Setting**

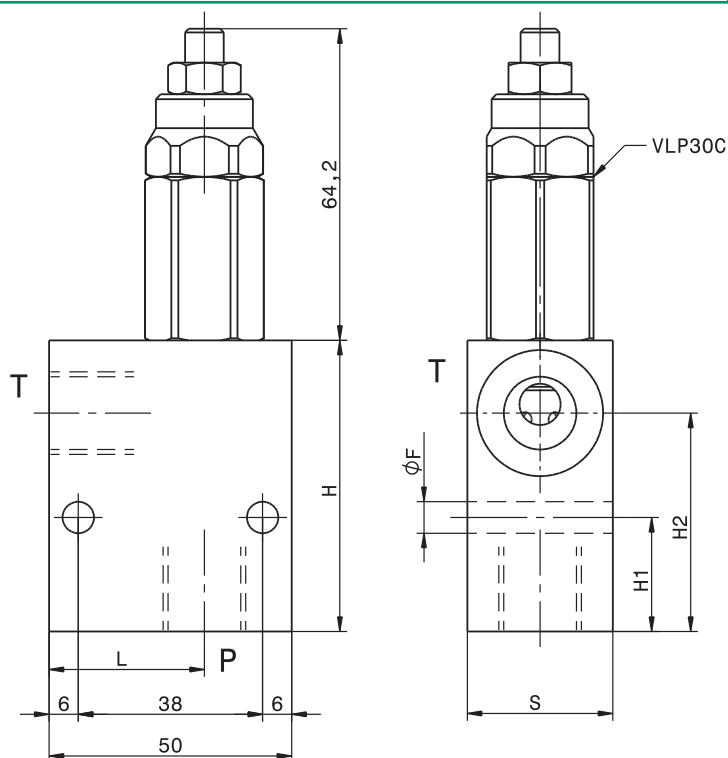
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
00	40 bar 580 psi	5÷40 bar 72.5÷580 psi
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi

**Regolazioni
Adjustments**

A Vite esterna esagono incassato Leakproof hex socket screw	B Volantino e dado Handknob and locknut	C Piombaturo Sealing cap	D Cappellotto Cap
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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
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Modello Type	H	H1	H2	L	F	S
VLP30-14	50	23.5	37.5	30	6.5	30
VLP30-38	60	23.5	45	32	6.5	30
VLP30-12	60	23.5	45	32	6.5	30

Sigla di ordinazione / Ordering code

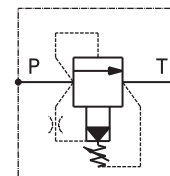
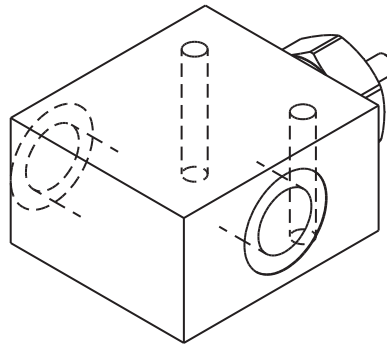
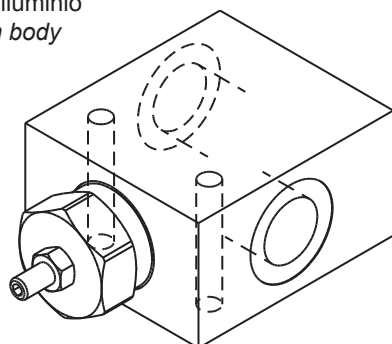
VLP30-14	02	A	-
Modello Type	Codice taratura Setting code 01, 02, 03, 04	Codice regolazione Adjustment code A, B, C, D	- Alluminio / Aluminium A Acciaio / Steel

For flow diagram see performance of cartridge

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 limitatrice di pressione pilotata
Pilot operated relief valve
mod. VLP200P

Corpo in alluminio
Aluminium body



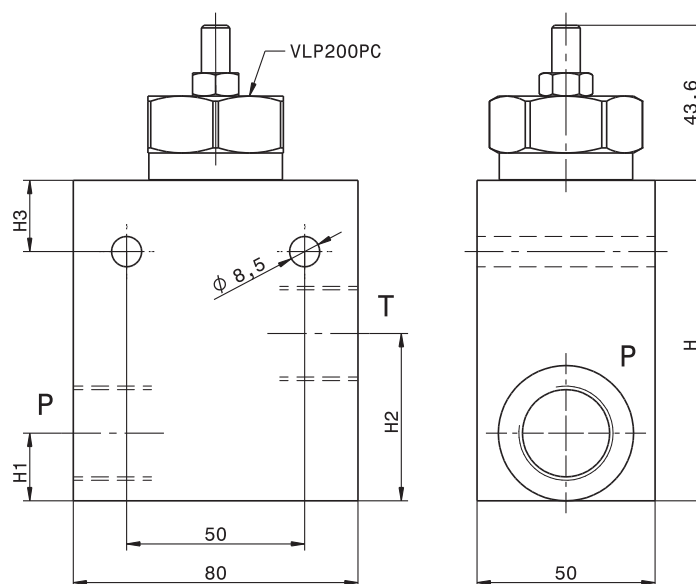
Modello Type	P, T	Pressione max. Max. pressure	Portata max Max. flow
VLP200P-34	3/4" GAS	250 bar 3600 psi	200 l/min 53 gpm
VLP200P-10	1" GAS	250 bar 3600 psi	200 l/min 53 gpm

Taratura Setting		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi

Regolazioni Adjustments			
A Vite esterna esagono incassato Leakproof hex socket screw	B Volantino e dado Handknob and locknut	C Piombatura Sealing cap	D Cappellotto Cap

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	H	H1	H2	H3
VLP200P-34	90	19	47	20
VLP200P-10	95	25	48	22

Sigla di ordinazione / Ordering code

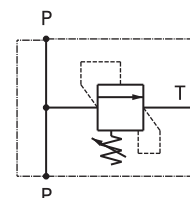
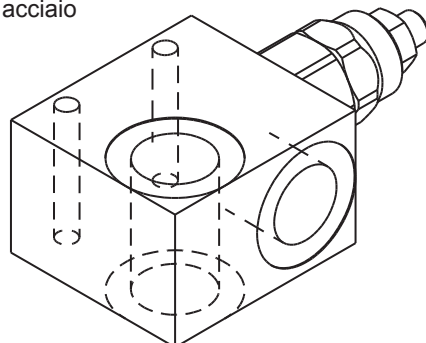
VLP200P-34	02	A	-
Modello Type	Codice taratura Setting code 01, 02, 03	Codice regolazione Adjustment code A, B, C, D	- Alluminio / Aluminium A Acciaio / Steel

For flow diagram see performance of cartridge

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 limitatrice di pressione
Relief valve
mod. VLP-L

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



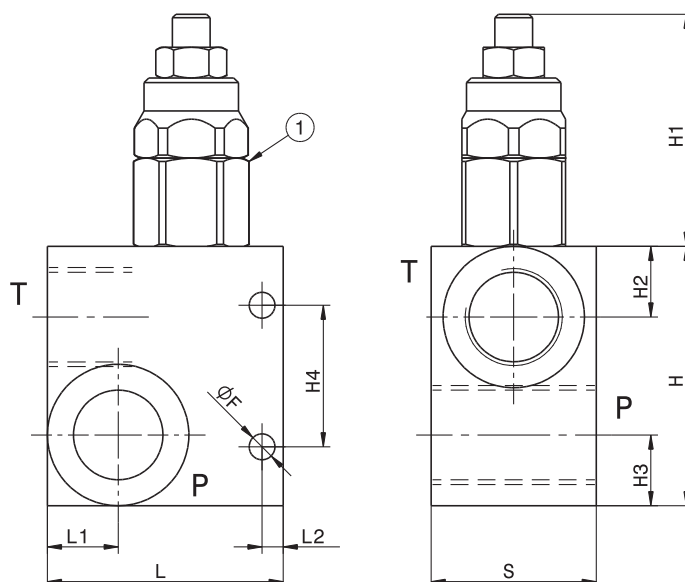
Modello Type	P, T	Pressione max. Max. pressure	Portata max Max. flow
VLP40-L-14	1/4" GAS	350 bar 5000 psi	25 l/min 6.6 gpm
VLP40-L-38	3/8" GAS	350 bar 5000 psi	35 l/min 9 gpm
VLP40-L-12	1/2" GAS	350 bar 5000 psi	40 l/min 10.5 gpm
VLP80-L-12	1/2" GAS	300 bar 4300 psi	80 l/min 21 gpm
VLP80-L-34	3/4" GAS	300 bar 4300 psi	80 l/min 21 gpm
VLP130-L-34	3/4" GAS	300 bar 4300 psi	130 l/min 34 gpm
VLP130-L-10	1" GAS	300 bar 4300 psi	130 l/min 34 gpm

Taratura Setting		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
00	40 bar 580 psi	5÷40 bar 72.5÷580 psi
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi

Regolazioni Adjustments			
A Vite esterna esagono incassato Leakproof hex socket screw	B Volantino e dado Handknob and locknut	C Piombatura Sealing cap	D Cappellotto Cap

Sigla di ordinazione / Ordering code

VLP40-L-14	02	A
Modello Type	Codice taratura Setting code 00, 01, 02, 03	Codice regolazione Adjustment code A, B, C, D



For flow diagram see performance of cartridge

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

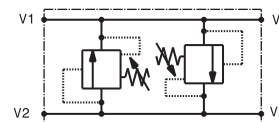
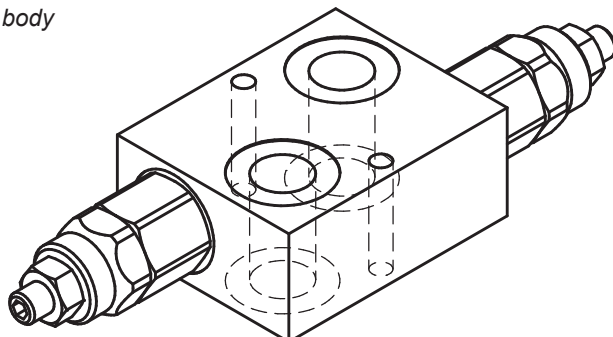
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Modello Type	①	L	L1	L2	H	H1	H2	H3	H4	F	S
VLP40-L-14	VLP40C	50	16	4.5	50	50	14	11	30	5.5	30
VLP40-L-38	VLP40C	50	16	4.5	50	50	15	14	30	5.5	30
VLP40-L-12	VLP40C	50	15	4.5	55	50	15	15	30	5.5	35
VLP80-L-12	VLP80C	60	18	6	70	62	17	18.5	58	6.5	35
VLP80-L-34	VLP80C	70	22	7	70	62	20	20	58	6.5	40
VLP130-L-34	VLP130CD	70	22	7	90	62	20	22	76	8.5	40
VLP130-L-10	VLP130CD	80	27.5	7	90	62	23	25	76	8.5	50

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 limitatrice di pressione doppia incrociata
Dual cross relief valve
mod. VLP-DI

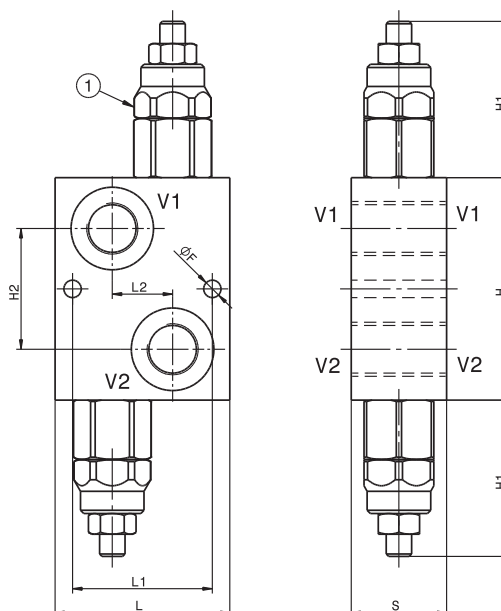
Corpo in alluminio
Aluminium body



Modello Type	V1, V2	Pressione max. Max. pressure	Portata max Max. flow
VLP40-DI-38	3/8" GAS	300 bar 4300 psi	35 l/min 9 gpm
VLP40-DI-12	1/2" GAS	300 bar 4300 psi	40 l/min 10.5 gpm
VLP80-DI-12	1/2" GAS	300 bar 4300 psi	80 l/min 21 gpm
VLP80-DI-34	3/4" GAS	300 bar 4300 psi	80 l/min 21 gpm
VLP130-DI-34	3/4" GAS	250 bar 3600 psi	130 l/min 34 gpm
VLP130-DI-10	1" GAS	250 bar 3600 psi	130 l/min 34 gpm

Taratura Setting		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
00	40 bar 580 psi	5÷40 bar 72.5÷580 psi
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi

Regolazioni Adjustments			
A Vite esterna esagono incassato Leakproof hex socket screw	B Volantino e dado Handknob and locknut	C Piomatura Sealing cap	D Cappellotto Cap



For flow diagram see performance of cartridge

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

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

Sigla di ordinazione / Ordering code

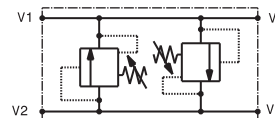
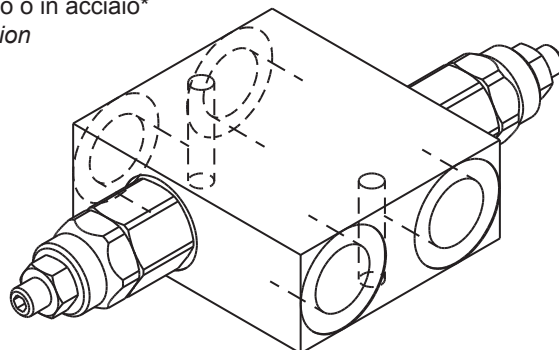
VLP40-DI-38	02	A
Modello Type	Codice taratura Setting code 00, 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

Modello Type	①	L	L1	L2	H	H1	H2	F	S
VLP40-DI-38	VLP40C	55	45	19	70	50	38	5.5	30
VLP40-DI-12	VLP40C	55	45	21	70	50	38	5.5	35
VLP80-DI-12	VLP80C	70	60	22	90	62	54	6.5	35
VLP80-DI-34	VLP80C	70	60	26	90	62	50	6.5	40
VLP130-DI-34	VLP130CD	80	60	32	90	62	50	8.5	50
VLP130-DI-10	VLP130CD	90	75	30	95	62	46	8.5	50

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 limitatrice di pressione doppia incrociata – in linea
In line, dual cross relief valve
mod. VLP-DI-L

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



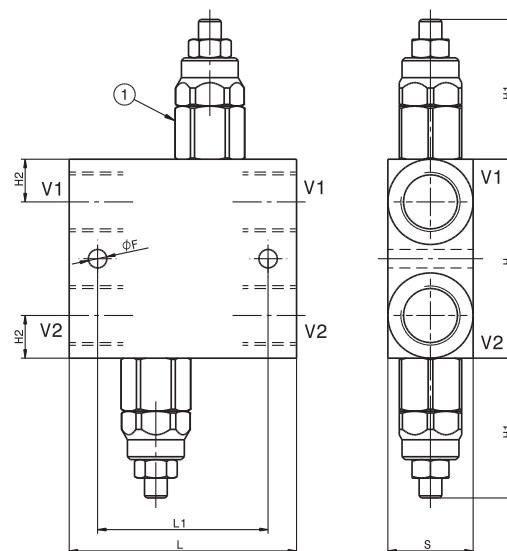
Modello Type	V1, V2	Pressione max. Max. pressure	Portata max Max. flow
VLP10-DI-L-14	1/4" GAS	300 bar 4300 psi	10 l/min 2.7 gpm
VLP10-DI-L-38	3/8" GAS	300 bar 4300 psi	10 l/min 2.7 gpm
VLP40-DI-L-38	3/8" GAS	300 bar 4300 psi	35 l/min 9 gpm*
VLP40-DI-L-12	1/2" GAS	300 bar 4300 psi	40 l/min 10.5 gpm
VLP80-DI-L-12	1/2" GAS	300 bar 4300 psi	80 l/min 21 gpm*
VLP80-DI-L-34	3/4" GAS	300 bar 4300 psi	80 l/min 21 gpm*
VLP130-DI-L-34	3/4" GAS	250 bar 3600 psi	130 l/min 34 gpm
VLP130-DI-L-10	1" GAS	250 bar 3600 psi	130 l/min 34 gpm*

Taratura Setting		
Codice Code	Taratura standard Standard setting	Campo di taratura Adj. Pressure range
00	40 bar 580 psi	5÷40 bar 72.5÷580 psi
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi

Regolazioni Adjustments			
A Vite esterna esagono incassato Leakproof hex socket screw	B Volantino e dado Handknob and locknut	C Piombatura Sealing cap	D Cappellotto Cap

Sigla di ordinazione / Ordering code

VLP40-DI-L-38	02	A
Modello Type	Codice taratura Setting code 00, 01, 02, 03	Codice regolazione Adjustment code A, B, C, D



For flow diagram see performance of cartridge

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

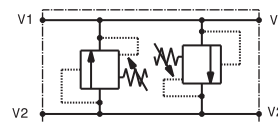
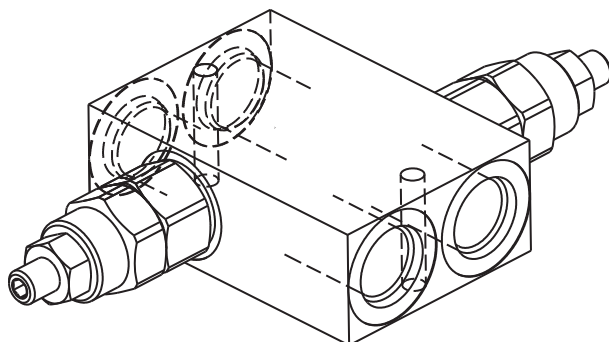
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Modello Type	①	L	L1	H	H1	H2	F	S
VLP10-DI-L-14	VLP10C	70	50	60	32	14	6.5	30
VLP10-DI-L-38	VLP10C	70	50	60	32	14	6.5	30
VLP40-DI-L-38	VLP40C	80	60	70	50	15	6.5	30
VLP40-DI-L-12	VLP40C	80	60	70	50	15	6.5	30
VLP80-DI-L-12	VLP80C	100	80	70	62	16	6.5	35
VLP80-DI-L-34	VLP80C	100	80	90	62	19	6.5	40
VLP130-DI-L-34	VLP130CD	110	80	90	62	19	8.5	40
VLP130-DI-L-10	VLP130CD	120	80	100	62	23	8.5	60

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 limitatrice di pressione doppia incrociata – in linea - Attacchi SAE
In line, dual cross relief valve SAE ports
mod. VLP-DI-L-S

Corpo in alluminio
Aluminium body



Modello Type	V1, V2	Pressione max. Max. pressure	Portata max Max. flow
VLP40-DI-L-08S	SAE #08	300 bar 4300 psi	35 l/min 9 gpm
VLP80-DI-L-10S	SAE #10	300 bar 4300 psi	80 l/min 21 gpm
VLP130-DI-L-12S	SAE #12	250 bar 3600 psi	130 l/min 34 gpm

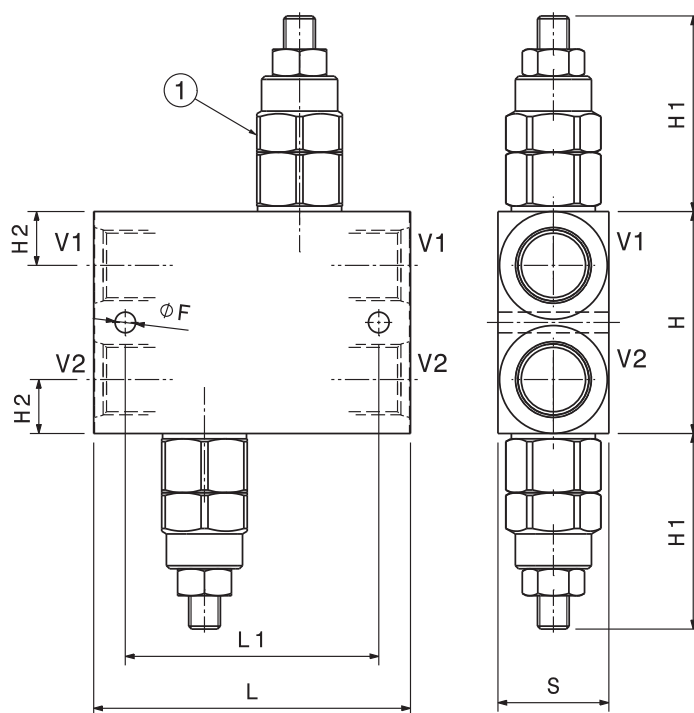
Modello Type	①	L	L1	H	H1	H2	F	S
VLP40-DI-L-08S	VLP40C	80	60	70	50	15	6.5	30
VLP80-DI-L-10S	VLP80C	100	80	70	62	17	6.5	35
VLP130-DI-L-12S	VLP130CD	110	80	90	62	20	8.5	40

Taratura Setting		
Codice Code	Taratura standard Standard setting	Campo di taratura Adj. Pressure range
00	40 bar 580 psi	5÷40 bar 72.5÷580 psi
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi

Regolazioni Adjustments			
A Vite esterna esagono incassato Leakproof hex socket screw	B Volantino e dado Handknob and locknut	C Piomatura Sealing cap	D Cappello Cap

Sigla di ordinazione / Ordering code

VLP40-DI-L-08-S	02	A
Modello Type	Codice taratura Setting code 00, 01, 02, 03	Codice regolazione Adjustment code A, B, C, D



For flow diagram see performance of cartridge

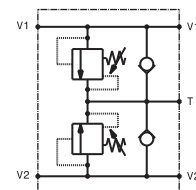
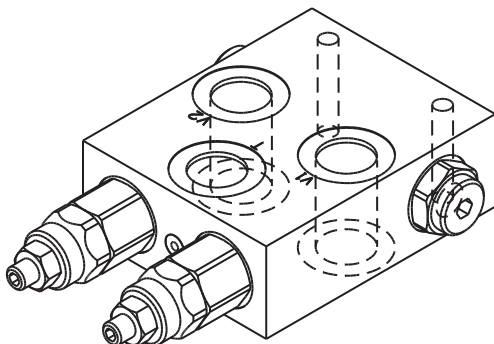
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil
 with 30 cSt viscosity at 50°C

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

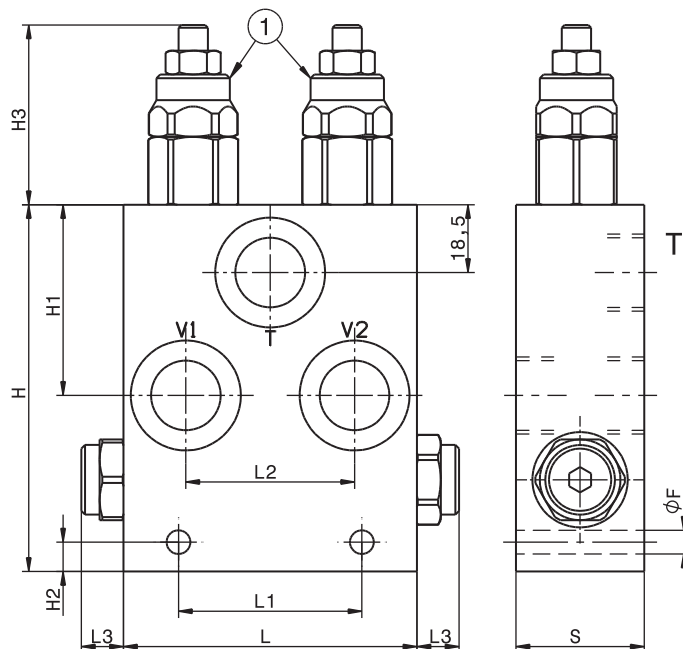
Valvola limitatrice di pressione doppia e anticavitazione
 Dual relief and anticavitation valve
 mod. VLP-DA

Corpo in alluminio
 Aluminium body



Modello Type	V1, V2, T	Pressione max. Max. pressure	Portata max Max. flow
VLP40-DA-38	3/8" GAS	300 bar 4300 psi	40 l/min 10.5 gpm
VLP40-DA-12	1/2" GAS	300 bar 4300 psi	40 l/min 10.5 gpm
VLP80-DA-12	1/2" GAS	300 bar 4300 psi	80 l/min 21 gpm
VLP80-DA-34	3/4" GAS	300 bar 4300 psi	80 l/min 21 gpm

Taratura Setting		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
00	40 bar 580 psi	5÷40 bar 72.5÷580 psi
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 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

Regolazioni Adjustments			
A	B	C	D
Vite esterna esagono incassato Leakproof hex socket screw	Volantino e dado Handknob and locknut	Piombatura Sealing cap	Cappellotto Cap

Sigla di ordinazione / Ordering code

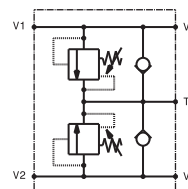
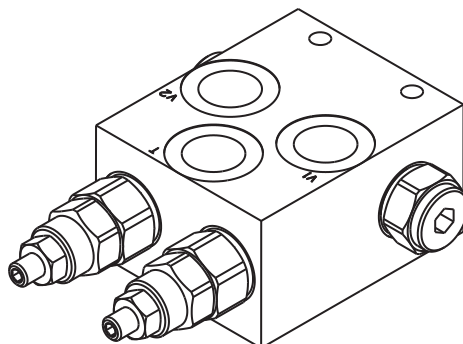
VLP40-DA-12	02	A
Modello Type	Codice taratura Setting code 00, 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

Modello Type	①	L	L1	L2	L3	H	H1	H2	H3	F	S
VLP40-DA-38	VLP40C	80	50	46	12	100	52	8	50	6.5	35
VLP40-DA-12	VLP40C	80	50	46	12	100	52	8	50	6.5	35
VLP80-DA-12	VLP80C	90	50	54	9	100	52	8	62	8.5	50
VLP80-DA-34	VLP80C	90	50	52	11	100	52	8	62	8.5	50

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.

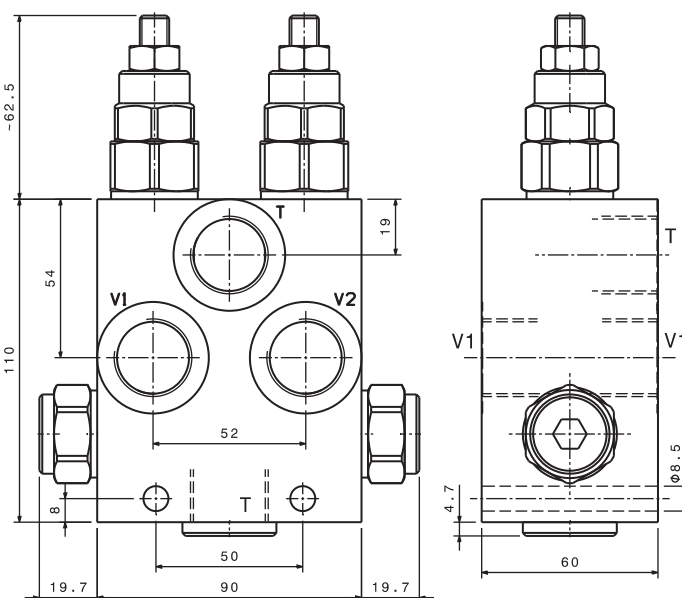
Valvola limitatrice di pressione doppia e anticavitazione
Dual relief and anticavitation valve
mod. VLP130-DA

Corpo in alluminio
Aluminium body



Modello Type	V1, V2, T	Pressione max. Max. pressure	Portata max Max. flow
VLP130-DA-34	3/4" GAS	300 bar 4300 psi	130 l/min 10.5 gpm

Taratura Setting		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
00	40 bar 580 psi	5÷40 bar 72.5÷580 psi
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi



Regolazioni Adjustments			
A	B	C	D
 Vite esterna esagono incassato Leakproof hex socket screw	 Volantino e dado Handknob and locknut	 Piombatura Sealing cap	 Cappellotto Cap

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

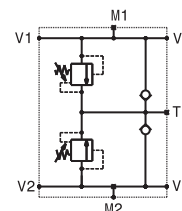
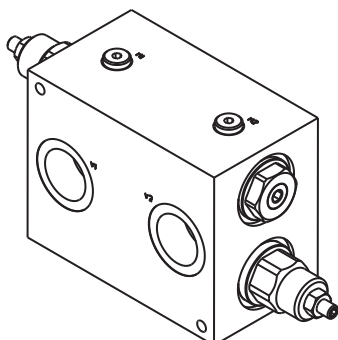
Sigla di ordinazione / Ordering code

VLP130-DA-34	02	A
Modello Type	Codice taratura Setting code 00, 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

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

Valvola limitatrice di pressione doppia e anticavitazione
 Dual relief and anticavitation valve
 mod. VLP40020-DA

Corpo in alluminio
 Aluminium body



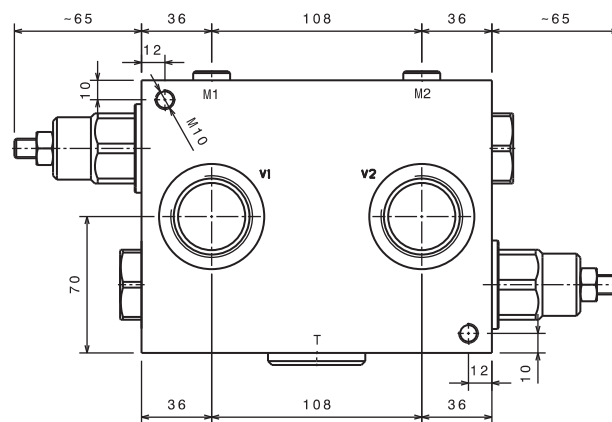
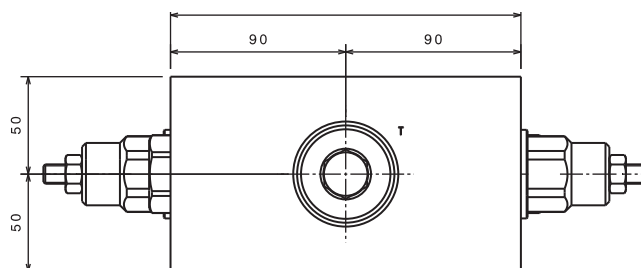
Portata massima Max flow	400 l/min 105 gpm
Pressione massima Max pressure	280 bar 5000 psi

Modello Type	V1, V2, T	M1, M2
VLP40020DA114	G1 1/4	G 1/4

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

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

Taratura Setting			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring colour
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo Yellow
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	Nero Black



Regolazioni Adjustments	A	B	C	D
	Vite esterna esagono incassato Leakproof hex socket screw	Volantino e dado Handknob and locknut	Piombatura Sealing cap	Cappellotto Cap

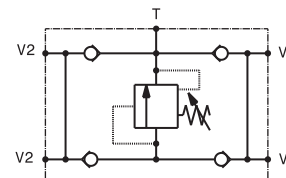
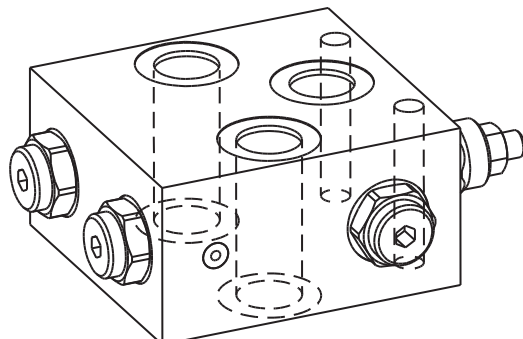
Sigla di ordinazione / Ordering code

VLP40020-DA-114	02	A
Modello Type	Codice taratura Setting code 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

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

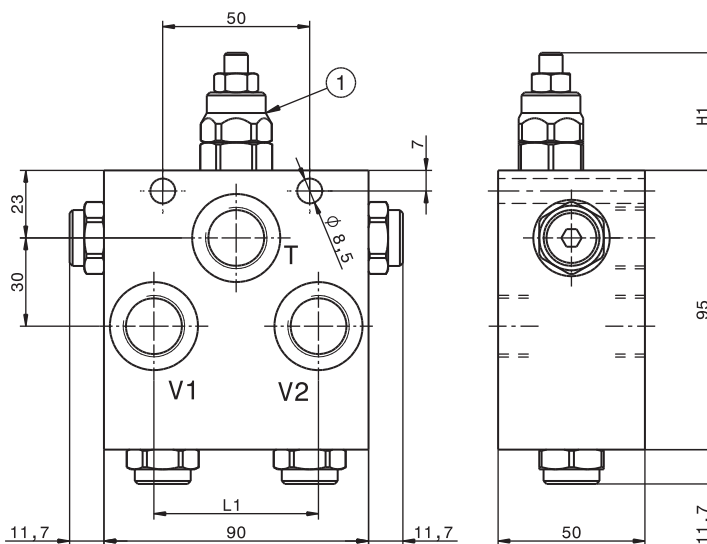
Valvola limitatrice di pressione semplice e anticavitazione
 Single relief and anticavitation valve
 mod. VLP-A

Corpo in alluminio
 Aluminium body



Modello Type	V1, V2, T	Pressione max. Max. pressure	Portata max Max. flow
VLP40-A-12	1/2" GAS	300 bar 4300 psi	40 l/min 10.5 gpm
VLP80-A-12	1/2" GAS	300 bar 4300 psi	80 l/min 21 gpm
VLP80-A-34	3/4" GAS	300 bar 4300 psi	80 l/min 21 gpm

Taratura Setting		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
00	40 bar 580 psi	5÷40 bar 72.5÷580 psi
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi



Regolazioni Adjustments			
A	B	C	D
Vite esterna esagono incassato Leakproof hex socket screw	Volantino e dado Handknob and locknut	Piombatura Sealing cap	Cappellotto Cap

Modello Type	①	L1	H1
VLP40-A-12	VLP40C	56	42
VLP80-A-12	VLP80C	56	55
VLP80-A-34	VLP80C	52	55

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

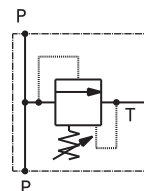
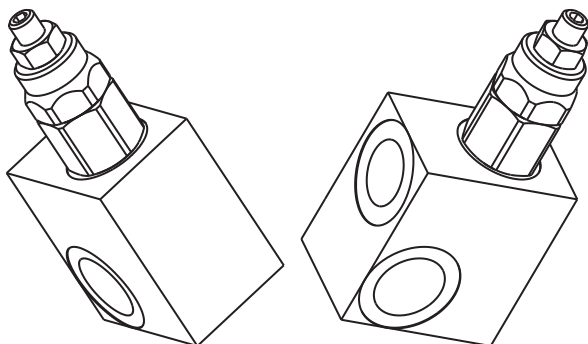
Sigla di ordinazione / Ordering code

VLP40-A-12	02	A
Modello Type	Codice taratura Setting code 00, 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

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

Valvola limitatrice di pressione flangiabile con vite cava
Relief nipple screw flangeable valve
 mod. VLP40-VC-12

Corpo in alluminio
Aluminium body



Modello Type	T	Pressione max. Max. pressure	Portata max Max. flow
VLP40-VC-12	1/2" GAS	350 bar 5000 psi	40 l/min 10.6 gpm

Taratura Setting		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
00	40 bar 580 psi	5÷40 bar 72.5÷580 psi
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi

Regolazioni Adjustments			
A Vite esterna esagono incassato Leakproof hex socket screw	B Volantino e dado Handknob and locknut	C Piomatura Sealing cap	D Cappellotto Cap

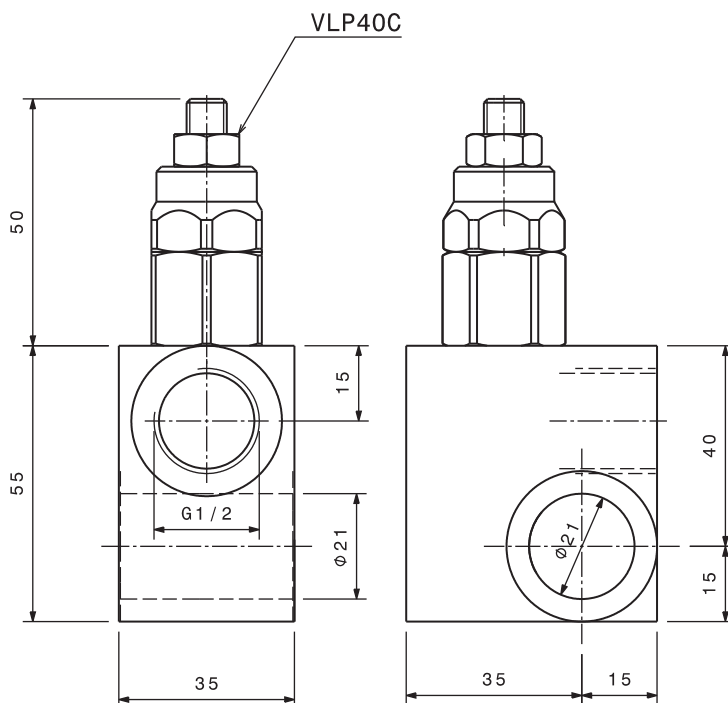
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

VLP40-VC-12	02	A
Modello Type	Codice taratura Setting code 00, 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

For flow diagram see performance of cartridge



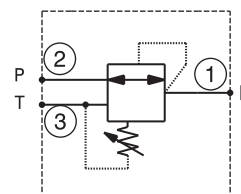
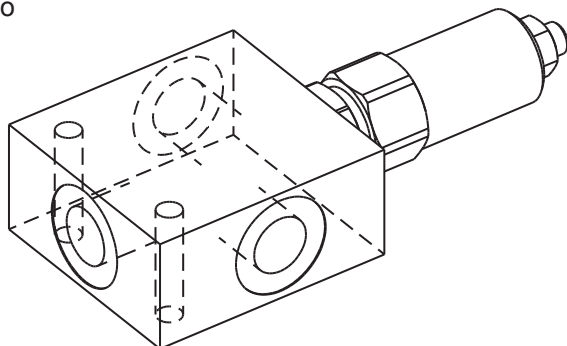
Vite cava
 disponibile a richiesta
Nipple screw
 available upon request

Codice di ordinazione
 Ordering Code
KITV0003

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

Valvola riduttrice di pressione diretta
Direct acting pressure reducing valve
 mod. RP25

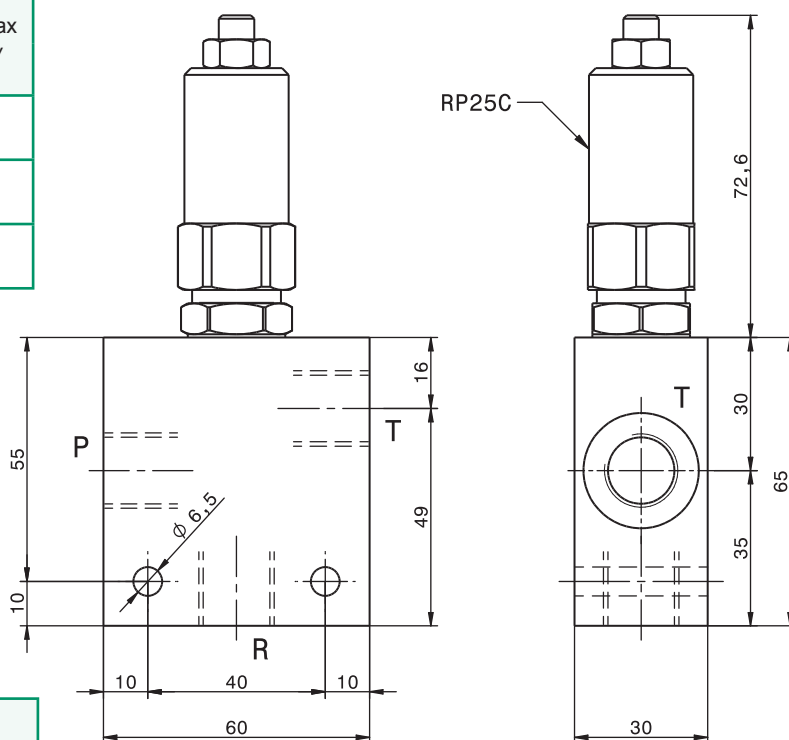
Corpo in alluminio
Aluminium body



Modello Type	P, T, R	Pressione max Max pressure		Portata max Max flow
		Ingresso Inlet	Regolata Regulated	
RP25-14	1/4" GAS	300 bar 4300 psi	130 bar 1900 psi	25 l/min 6.6 gpm
RP25-38	3/8" GAS	300 bar 4300 psi	130 bar 1900 psi	25 l/min 6.6 gpm
RP25-12	1/2" GAS	300 bar 4300 psi	130 bar 1900 psi	25 l/min 6.6 gpm

Taratura Setting			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring colour
00	20 bar 290 psi	5÷25 bar 72.5÷362 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Giallo Yellow
02	120 bar 1750 psi	40÷130 bar 580÷1900 psi	Nero Black

Regolazioni Adjustments			
A Vite esterna esagono incassato Leakproof hex socket screw	B Volantino e dado Handknob and locknut	C Piombatura Sealing cap	D Cappellotto Cap



Sigla di ordinazione / Ordering code

RP25-38	02	A
Modello Type	Codice taratura Setting code 00, 01, 02	Codice regolazione Adjustment code A, B, C, D

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

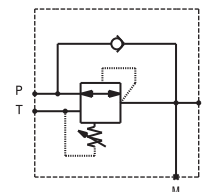
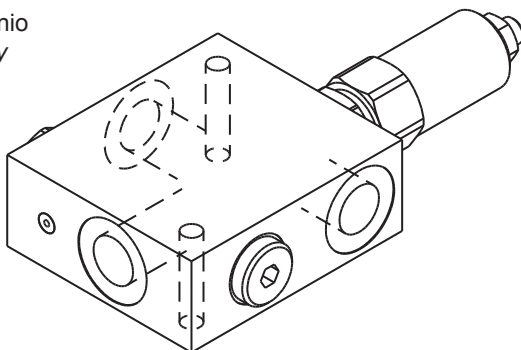
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

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

Valvola riduttrice di pressione diretta con valvola di non ritorno
 Direct acting pressure reducing valve with check valve

mod. RP25VU

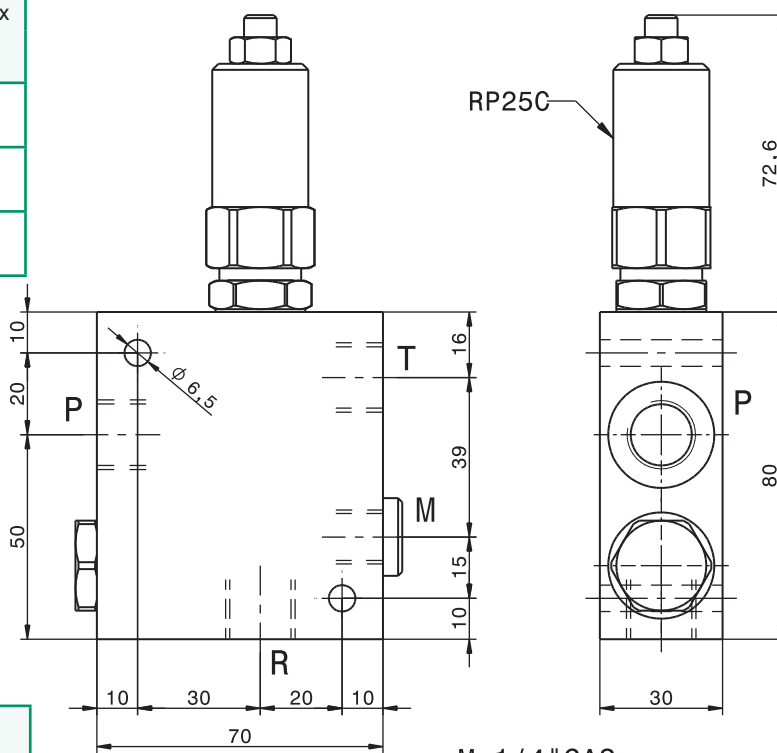
Corpo in alluminio
 Aluminium body



Modello Type	P, T, R	Pressione max Max pressure		Portata max Max flow
		Ingresso Inlet	Regolata Regulated	
RP25VU-14	1/4" GAS	300 bar 4300 psi	130 bar 1900 psi	25 l/min 6.6 gpm
RP25VU-38	3/8" GAS	300 bar 4300 psi	130 bar 1900 psi	25 l/min 6.6 gpm
RP25VU-12	1/2" GAS	300 bar 4300 psi	130 bar 1900 psi	25 l/min 6.6 gpm

Taratura Setting			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring colour
00	20 bar 290 psi	5÷25 bar 72.5÷362 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Giallo Yellow
02	120 bar 1750 psi	40÷130 bar 580÷1900 psi	Nero Black

Regolazioni Adjustments			
A	B	C	D
 Vite esterna esagono incassato Leakproof hex socket screw	 Volantino e dado Handknob and locknut	 Piombatura Sealing cap	 Cappello Cap



Sigla di ordinazione / Ordering code

RP25VU-38	02	A
Modello Type	Codice taratura Setting code 00, 01, 02	Codice regolazione Adjustment code A, B, C, D

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

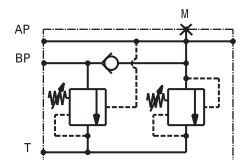
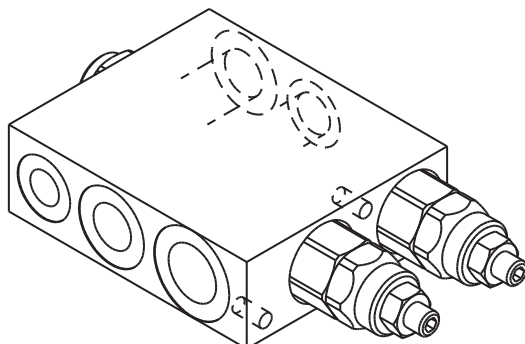
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

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

Valvola di esclusione alta-bassa pressione
 High - low pressure, relief and unloading valve

mod. VEP-VLP40

Corpo in alluminio
 Aluminium body

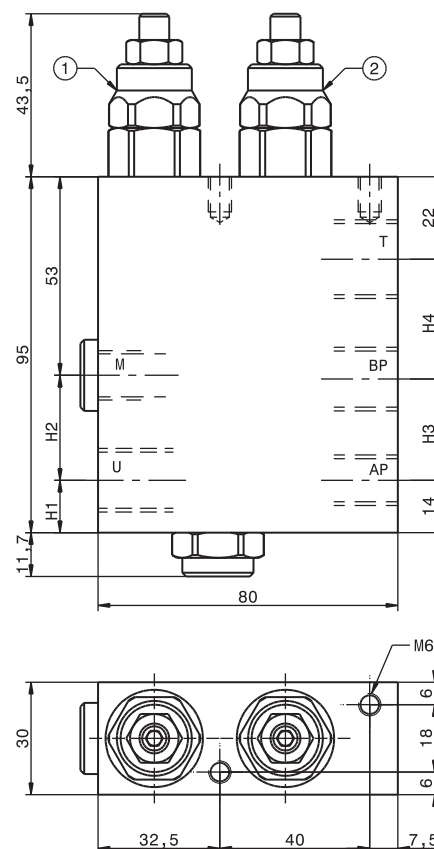


Portata massima Max flow	40 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi

Modello Type	AP GAS	BP GAS	T GAS	U GAS	M GAS	H1 mm	H2 mm	H3 mm	H4 mm
VEP-VLP40-38	1/4"	3/8"	1/2"	3/8"	1/4"	14	28	27	32
VEP-VLP40-12	3/8"	1/2"	1/2"	1/2"	1/4"	15	27	28	31

Taratura Setting				
Codice Code	Taratura standard Standard setting (Q=5 l/min)		Campo di taratura Adj. Pressure range	
	BP ②	AP ①	BP ②	AP ①
01	80 bar 1160 psi	80 bar 1160 psi	20÷100 bar 290÷1450 psi	20÷100 bar 290÷1450 psi
02	80 bar 1160 psi	180 bar 2600 psi	20÷100 bar 290÷1450 psi	40÷250 bar 580÷3600 psi
03	80 bar 1160 psi	250 bar 3600 psi	20÷100 bar 290÷1450 psi	60÷350 bar 870÷5000 psi

Regolazioni Adjustments			
A Vite esterna esagono incassato Leakproof hex socket screw	B Volantino e dado Handknob and locknut	C Piombatura Sealing cap	D Cappellotto Cap



Sigla di ordinazione / Ordering code

VEP-VLP40-12	02	A
Modello Type	Codice taratura AP AP Setting code 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

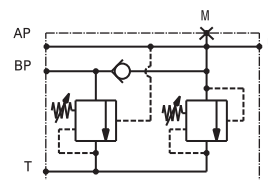
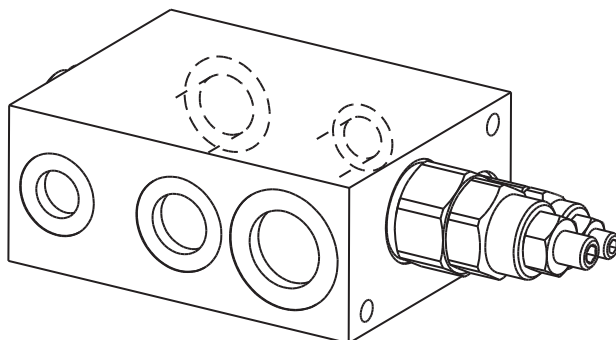
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with
 30 cSt viscosity at 50°C

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

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 esclusione alta-bassa pressione
 High - low pressure, relief and unloading valve
 mod. VEP-VLP80

Corpo in alluminio
 Aluminium body



Portata massima Max flow	80 l/min 21 gpm
Pressione massima Max pressure	350 bar 5000 psi

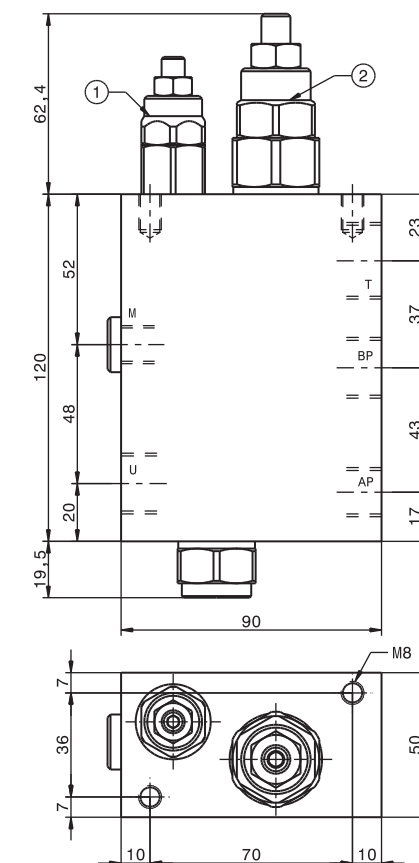
Modello Type	AP	BP	T	U	M
VEP-VLP80-12	3/8" GAS	1/2"	3/4"	1/2"	1/4"

Taratura Setting				
Codice Code	Taratura standard Standard setting (Q=5 l/min)		Campo di taratura Adj. Pressure range	
	BP ②	AP ①	BP ②	AP ①
01	80 bar 1160 psi	80 bar 1160 psi	20÷100 bar 290÷1450 psi	20÷100 bar 290÷1450 psi
02	80 bar 1160 psi	180 bar 2600 psi	20÷100 bar 290÷1450 psi	40÷250 bar 580÷3600 psi
03	80 bar 1160 psi	250 bar 3600 psi	20÷100 bar 290÷1450 psi	60÷350 bar 870÷5000 psi

Regolazioni Adjustments			
A Vite esterna esagono incassato Leakproof hex socket screw	B Volantino e dado Handknob and locknut	C Piombatura Sealing cap	D Cappello Cap

Sigla di ordinazione / Ordering code

VEP-VLP80-12	02	A
Modello Type	Codice taratura AP AP Setting code 01, 02, 03	Codice regolazione Adjustment code A, B, C, D



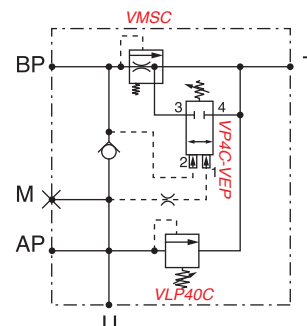
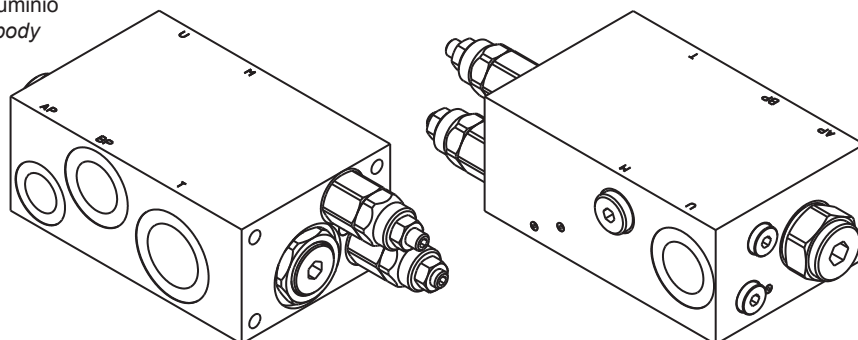
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

Valvola di esclusione alta-bassa pressione
 High - low pressure, relief and unloading valve
 mod. VEP-VLP150

Corpo in alluminio
 Aluminium body



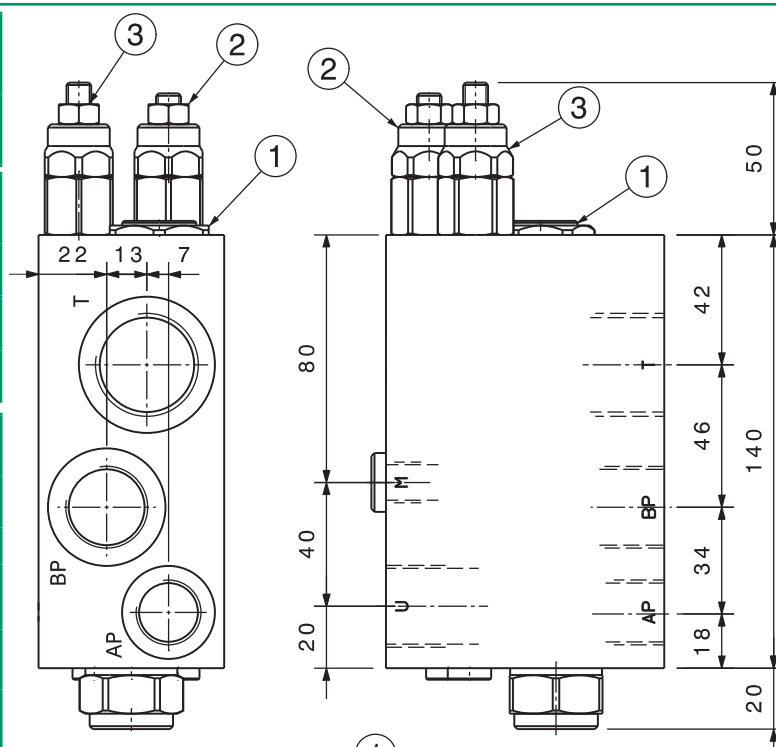
Portata massima <i>Max flow</i>	AP 40 l/min 10.5 gpm	BP 130 l/min 34 gpm
Pressione massima <i>Max pressure</i>	280 bar 4000 psi	
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C <i>Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C</i>		
Viscosità consigliate <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	

Taratura Setting				
Codice Code	Taratura standard Standard setting (Q=5 l/min)		Campo di taratura Adj. Pressure range	
	BP ②	AP ①	BP ②	AP ①
01	80 bar 1160 psi	80 bar 1160 psi	20÷100 bar 290÷1450 psi	20÷100 bar 290÷1450 psi
02	80 bar 1160 psi	180 bar 2600 psi	20÷100 bar 290÷1450 psi	40÷250 bar 580÷3600 psi
03	80 bar 1160 psi	250 bar 3600 psi	20÷100 bar 290÷1450 psi	60÷350 bar 870÷5000 psi

Regolazioni Adjustments			
A	B	C	D
Vite esterna esagono incassato Leakproof hex socket screw	Volantino e dado Handknob and locknut	Piombatura Sealing cap	Cappellotto Cap

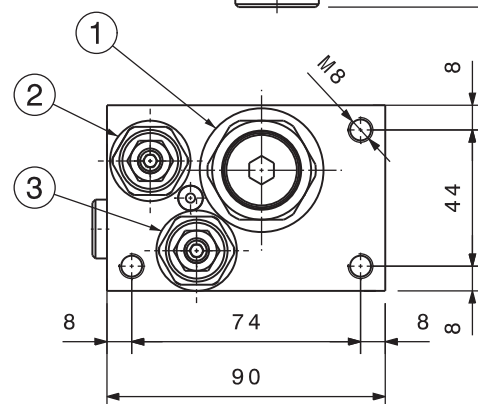
Sigla di ordinazione / Ordering code

VEPVLP150	02	A
Modello Type	Codice taratura AP AP Setting code 01, 02, 03	Codice regolazione Adjustment code A, B, C, D



- ① VMS-C
- ② VP4C-VEP
- ③ VLP40-C

AP: 1/2" GAS
 BP, U: 3/4" GAS
 T: 1" GAS
 M: 1/4" GAS

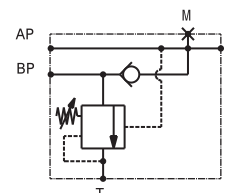
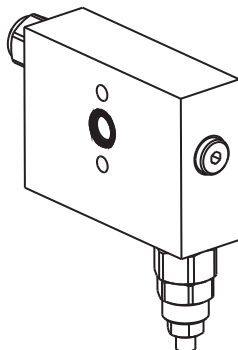
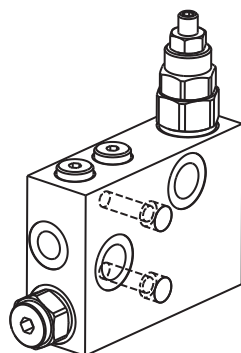


I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola di esclusione alta-bassa pressione flangiabile su pompa ad ingranaggi
High - low pressure, relief and unloading valve – direct mounting on gear pumps

mod. VEP80-FPG

Corpo in alluminio
Aluminium body



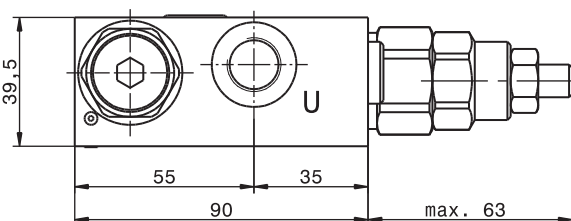
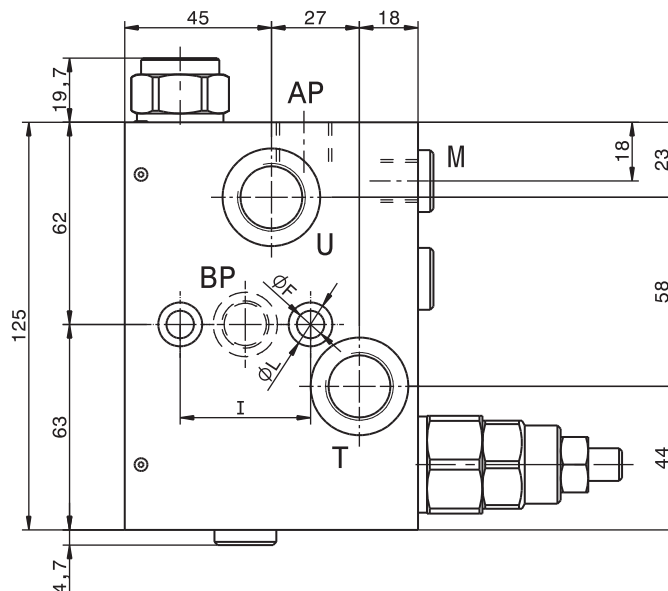
Portata massima alta pressione <i>Max flow high pressure</i>	15 l/min 4 gpm
Portata massima bassa pressione <i>Max flow low pressure</i>	45 l/min 12 gpm
Pressione massima AP <i>Max pressare AP</i>	350 bar 5000 psi
Pressione massima BP <i>Max pressare BP</i>	100 bar 1450 psi

Modello <i>Type</i>	AP	BP	U, T	M
VEP80-FPG-2112	3/8" GAS	Ø13	1/2"	1/4"
VEP80-FPG-30-2112	3/8" GAS	Ø13	1/2"	1/4"
VEP80-FPG-2212	3/8" GAS	Ø19	1/2"	1/4"

Taratura <i>Setting</i>	80 bar <i>1160 psi</i>
Campo di taratura <i>Adj. pressure range</i>	20÷100 bar <i>290÷1450 psi</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

VEP80-FPG	2112
Modello Type	2112 30-2112 2212

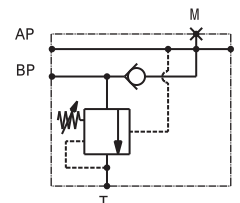
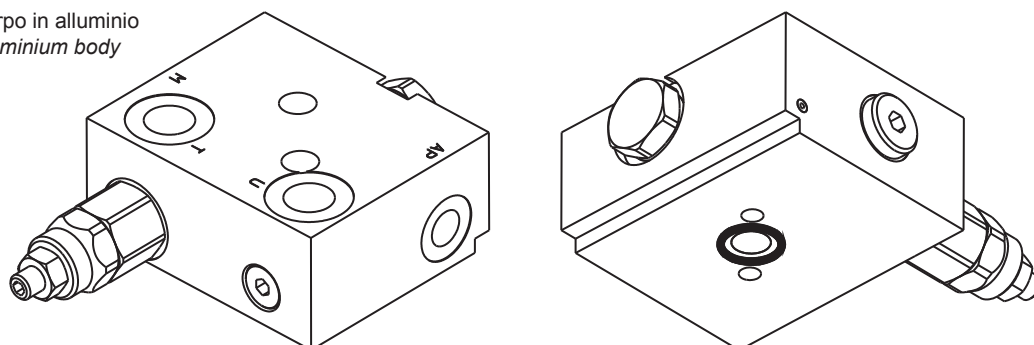
Modello Type	I	F	L
VEP80-FPG-2112	40	8.5	13.5
VEP80-FPG-30-2112	30	6.5	11
VEP80-FPG-2212	40	8.5	13.5

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

Valvola di esclusione alta-bassa pressione flangiabile su pompa ad ingranaggi
High – low pressure, unloading valve – direct mounting on gear pumps

mod. VEP40-FPG-1138

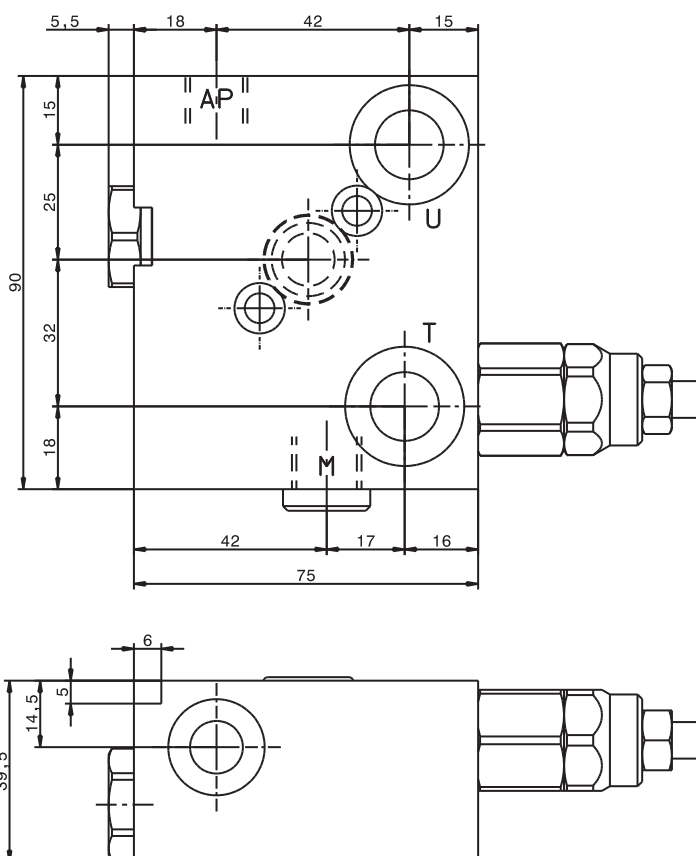
Corpo in alluminio
Aluminium body



Portata massima alta pressione <i>Max flow high pressure</i>	15 l/min 4 gpm
Portata massima bassa pressione <i>Max flow low pressure</i>	25 l/min 6.6 gpm
Pressione massima AP <i>Max pressure AP</i>	350 bar 5000 psi
Pressione massima BP <i>Max pressure BP</i>	100 bar 1450 psi
Taratura <i>Setting</i>	100 bar 1450 psi
Campo di taratura <i>Adj. pressure range</i>	20÷100 bar 290÷1450 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

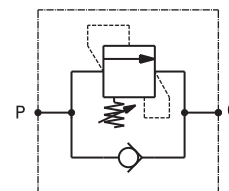
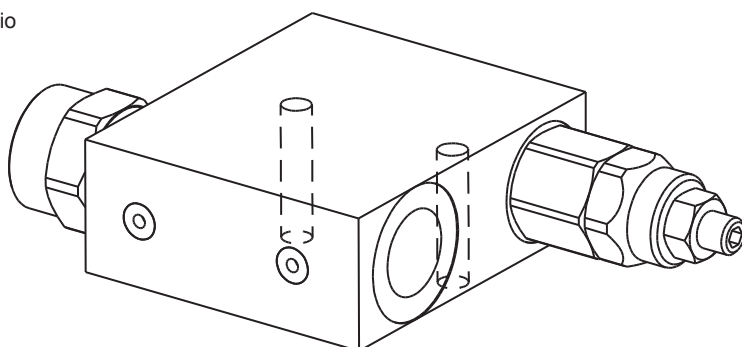
VEP40-FPG-1138

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.

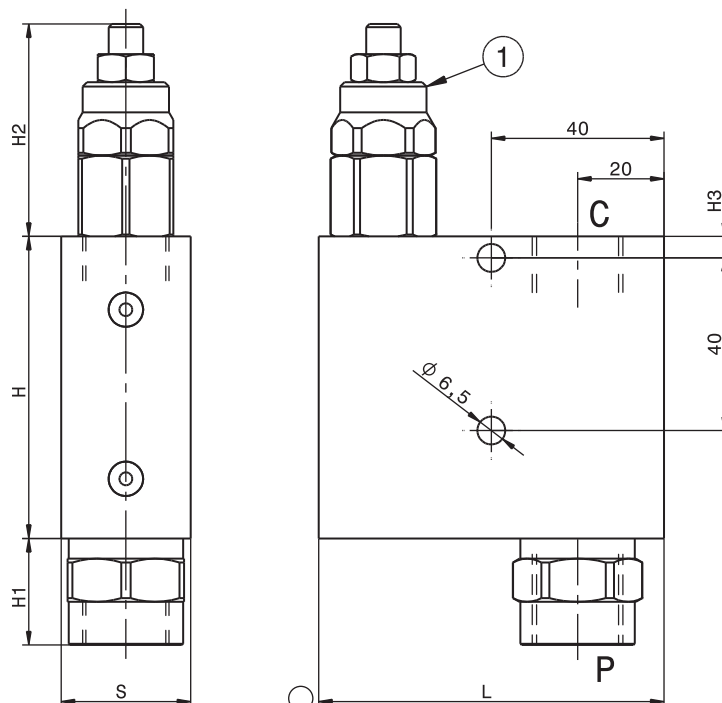
Valvola di sequenza ad azione diretta
Direct acting sequence valve
mod. VSQ

Corpo in alluminio
 Aluminium body



Modello Type	P, C	Pressione max. Max. pressure	Portata max Max. flow
VSQ40-38	3/8" GAS	300 bar 4300 psi	40 l/min 10.5 gpm
VSQ40-12	1/2" GAS	300 bar 4300 psi	40 l/min 10.5 gpm
VSQ80-12	1/2" GAS	300 bar 4300 psi	80 l/min 21 gpm
VSQ80-34	3/4" GAS	300 bar 4300 psi	80 l/min 21 gpm

Taratura Setting		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
00	40 bar 580 psi	5÷40 bar 72.5÷580 psi
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi



Regolazioni Adjustments			
A Vite esterna esagono incassato Leakproof hex socket screw	B Volantino e dado Handknob and locknut	C Piombatura Sealing cap	D Cappello Cap

Modello Type	1	L	L1	H	H1	H2	H3	S
VSQ40-38	VLP40C	80	0	70	25	50	5	30
VSQ40-12	VLP40C	80	0	70	25	50	5	30
VSQ80-12	VLP80C	85	5	80	25	57	8	40
VSQ80-34	VLP80C	85	5	80	30	57	8	40

Sigla di ordinazione / Ordering code

VSQ40-12	02	A
Modello Type	Codice taratura Setting code 00, 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

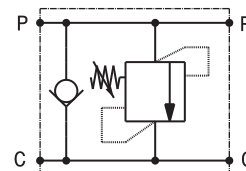
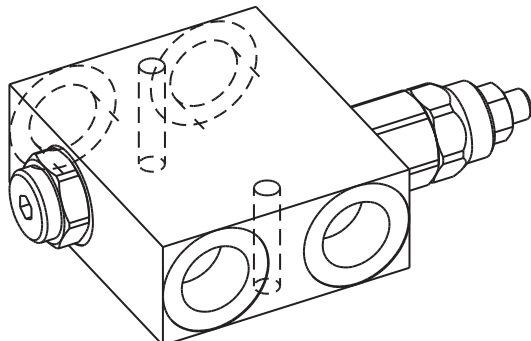
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil
 with 30 cSt viscosity at 50°C

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

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

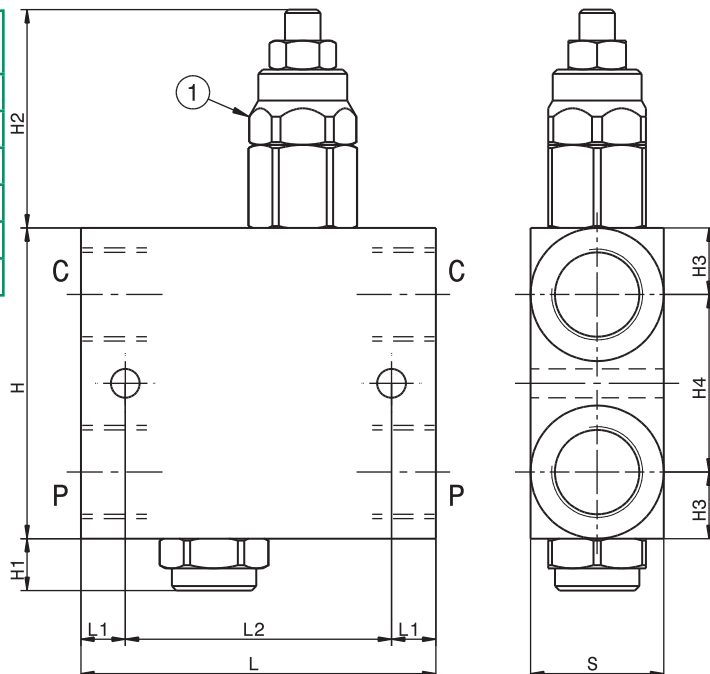
Valvola di sequenza ad azione diretta in linea
In line, direct acting sequence valve
 mod. VSQ-L

Corpo in alluminio
 Aluminium body



Modello Type	P, C	Pressione max. Max. pressure	Portata max Max. flow
VSQ40-L-38	3/8" GAS	300 bar 4300 psi	40 l/min 10.5 gpm
VSQ40-L-12	1/2" GAS	300 bar 4300 psi	40 l/min 10.5 gpm
VSQ80-L-12	1/2" GAS	300 bar 4300 psi	80 l/min 21 gpm
VSQ80-L-34	3/4" GAS	300 bar 4300 psi	80 l/min 21 gpm
VSQ130-L-34	3/4" GAS	300 bar 4300 psi	130 l/min 34 gpm
VSQ130-L-10	1" GAS	300 bar 4300 psi	130 l/min 34 gpm

Taratura Setting		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
00	40 bar 580 psi	5÷40 bar 72.5÷580 psi
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi



Regolazioni Adjustments			
A Vite esterna esagono incassato Leakproof hex socket screw	B Volantino e dado Handknob and locknut	C Piomatura Sealing cap	D Cappellotto Cap

Modello Type	①	L	L1	L2	H	H1	H2	H3	H4	F	S
VSQ40-L-38	VLP40C	80	10	60	70	12	50	15	40	6.5	30
VSQ40-L-12	VLP40C	80	10	60	70	12	50	15	40	6.5	30
VSQ80-L-12	VLP80C	100	10	80	70	20	62	16	38	6.5	35
VSQ80-L-34	VLP80C	100	10	80	90	20	62	19	52	6.5	40
VSQ130-L-34	VLP130CD	110	15	80	90	20	62	19	52	8.5	40
VSQ130-L-10	VLP130CD	120	20	80	100	15	57	23	54	8.5	60

Sigla di ordinazione / Ordering code

VSQ40-L-12	02	A
Modello Type	Codice taratura Setting code 00, 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

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

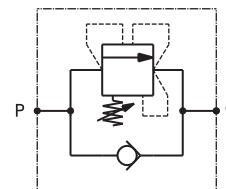
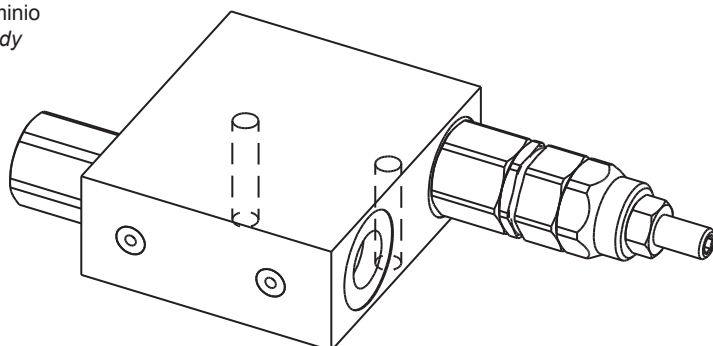
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

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

Valvola di sequenza ad azione diretta con esclusione della pressione primaria
 Direct acting sequence valve with primary pressure cut-off

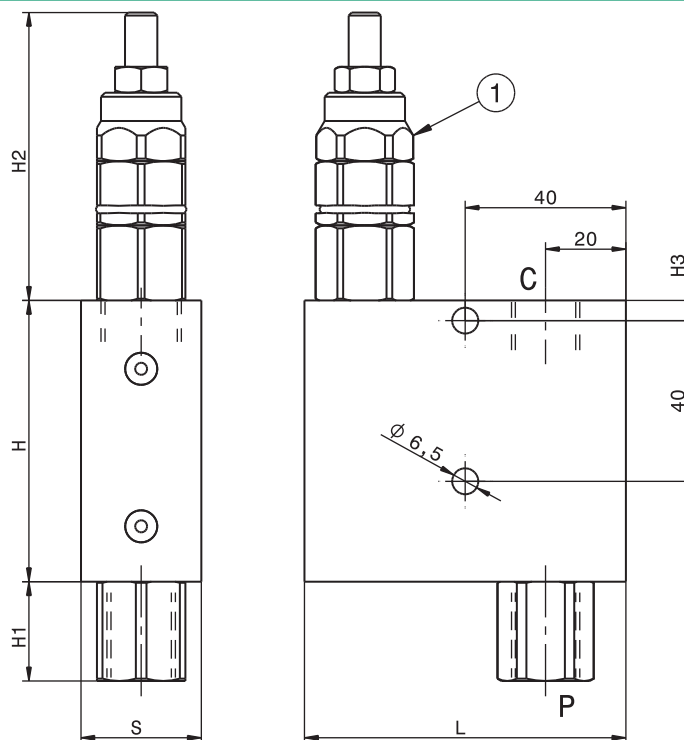
mod. VSQ-CC

Corpo in alluminio
 Aluminium body



Modello Type	P, C	Pressione max. Max. pressure	Portata max Max. flow
VSQ40-CC-38	3/8" GAS	300 bar 4300 psi	40 l/min 10.5 gpm
VSQ40-CC-12	1/2" GAS	300 bar 4300 psi	40 l/min 10.5 gpm
VSQ80-CC-12	1/2" GAS	300 bar 4300 psi	80 l/min 21 gpm
VSQ80-CC-34	3/4" GAS	300 bar 4300 psi	80 l/min 21 gpm

Taratura Setting		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi



Regolazioni Adjustments			
A Vite esterna esagono incassato Leakproof hex socket screw	B Volantino e dado Handknob and locknut	C Piombatura Sealing cap	D Cappellotto Cap

Modello Type	①	L	L1	H	H1	H2	H3	S
VSQ40-CC-38	VLP40CC	80	0	70	25	70	5	30
VSQ40-CC-12	VLP40CC	80	0	70	25	70	5	30
VSQ80-CC-12	VLP80CC	85	5	80	25	77	8	40
VSQ80-CC-34	VLP80CC	85	5	80	30	77	8	40

Sigla di ordinazione / Ordering code

VSQ40-CC-12	02	A
Modello Type	Codice taratura Setting code 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

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

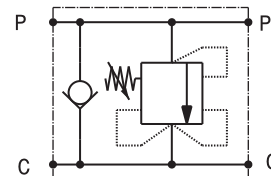
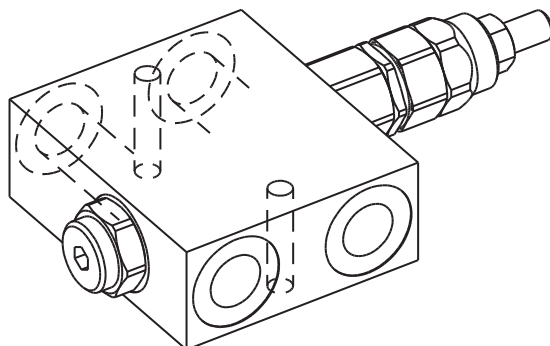
Viscosità consigliata Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

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 sequenza ad azione diretta in linea con esclusione della pressione primaria
In line, direct acting sequence valve with primary pressure cut-off

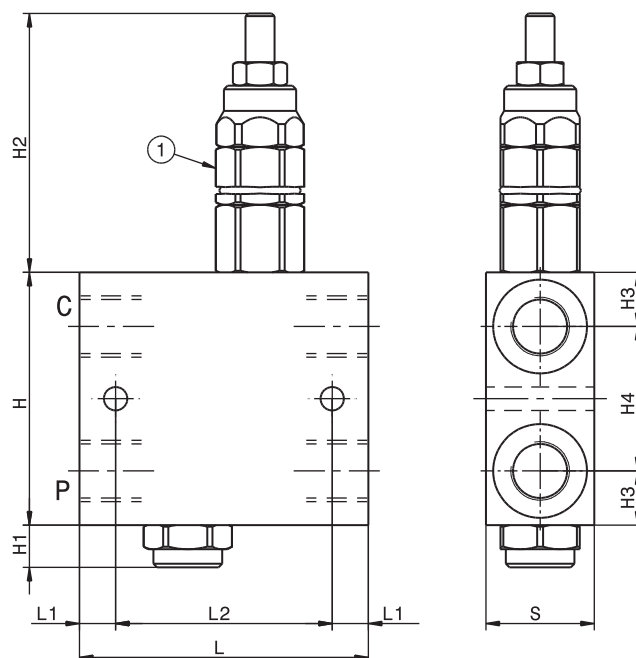
mod. VSQ-L-CC

Corpo in alluminio
 Aluminium body



Modello Type	P, C	Pressione max. Max. pressure	Portata max. Max. flow
VSQ40-L-CC-38	3/8" GAS	300 bar 4300 psi	40 l/min 10.5 gpm
VSQ40-L-CC-12	1/2" GAS	300 bar 4300 psi	40 l/min 10.5 gpm
VSQ80-L-CC-12	1/2" GAS	300 bar 4300 psi	80 l/min 21 gpm
VSQ80-L-CC-34	3/4" GAS	300 bar 4300 psi	80 l/min 21 gpm
VSQ130-L-CC-34	3/4" GAS	300 bar 4300 psi	130 l/min 34 gpm
VSQ130-L-CC-10	1" GAS	300 bar 4300 psi	130 l/min 34 gpm

Taratura Setting		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi



Regolazioni Adjustments			
A Vite esterna esagono incassato Leakproof hex socket screw	B Volantino e dado Handknob and locknut	C Piombatura Sealing cap	D Cappellotto Cap

Modello Type	①	L	L1	L2	H	H1	H2	H3	H4	F	S
VSQ40-L-CC-38	VLP40CC	80	10	60	70	12	70	15	40	6.5	30
VSQ40-L-CC-12	VLP40CC	80	10	60	70	12	70	15	40	6.5	30
VSQ80-L-CC-12	VLP80CC	100	10	80	70	20	82	16	38	6.5	35
VSQ80-L-CC-34	VLP80CC	100	10	80	90	20	82	19	52	6.5	40
VSQ130-L-CC-34	VLP130CC	110	15	80	90	20	82	19	52	8.5	40
VSQ130-L-CC-10	VLP130CC	120	20	80	100	15	77	23	54	8.5	60

Sigla di ordinazione / Ordering code

VSQ40-L-CC-12	02	A
Modello Type	Codice taratura Setting code 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

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

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