



**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

**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

**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.

**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 relieve 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.

**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 8 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

**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 determinated 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.

**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 ritorno 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.

**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 bypasses 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.

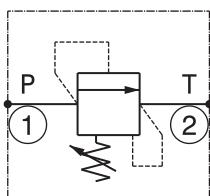
**Valvole di esclusione alta-bassa pressione:** in un circuito alimentato da due pompe in parallelo, valvola utilizzata per mandare a scarico la pompa di maggiore portata al raggiungimento di un determinato valore di taratura. Da questo momento in poi l' attuatore lavora con la pompa di minor portata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

**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**

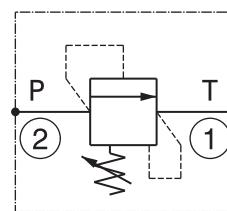
	Q (l/min)	P (bar)	PAGINA PAGE
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Valvola limitatrice di pressione a cartuccia  
 Direct acting relief valve - cartridge type



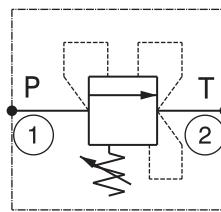
VLP5-C	5	400	<b>96</b>
VLP10-C	10	350	<b>97</b>
VLP20-C	20	350	<b>98</b>
VLP18-C	30	350	<b>99</b>
VLP30-C	30	350	<b>100</b>
VLP40-C	40	350	<b>101</b>
VLP4008-C	40	350	<b>102</b>
VLP22-C	40	350	<b>103</b>
VLP45-C	45	350	<b>104</b>
VLP4010-C	70	350	<b>105</b>
VLP80-C	80	350	<b>106</b>
VLP85-C	85	350	<b>107</b>

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



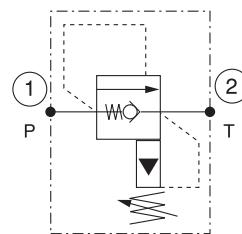
VLPD40-C	50	350	<b>108</b>
VLPD10-C	80	350	<b>109</b>
VLP130-CD	130	350	<b>110</b>
VLP150-CD	150	350	<b>111</b>
VLP20016-CD	200	350	<b>112</b>
VLP40020-CD	400	350	<b>113</b>

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



VLP40-CC	40	350	<b>114</b>
VLP45-CC	45	350	<b>115</b>
VLP80-CC	80	350	<b>116</b>
VLP130-CC	130	350	<b>117</b>

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

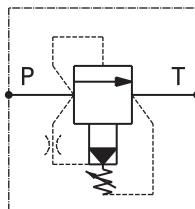


VLPPC-28-C	200	350	<b>128</b>
VLPPC-33-C	150	350	<b>129</b>

**INDICE PER TIPO DI VALVOLA**  
**INDEX BY VALVE TYPE**

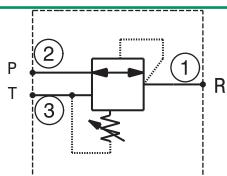
	Q	P	PAGINA
	(l/min)	(bar)	PAGE

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



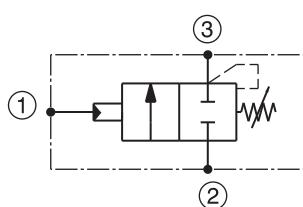
VLPP-T10-C	90	350	<b>118</b>
VLPP-10-C	100	350	<b>119</b>
VLPP-12-C	170	350	<b>120</b>
VLPP-16-C	300	350	<b>121</b>
VLPP-20-C	400	350	<b>122</b>
VLPP-60-C	90	350	<b>123</b>
VLPP-150-C	150	350	<b>124</b>
VLP200-PC	200	350	<b>125</b>
VLP200-PC M28X1.5	200	350	<b>126</b>
VLPP-33-C	250	350	<b>127</b>

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



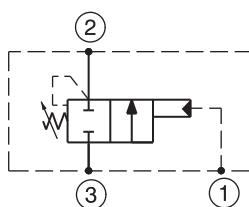
RP25-C	25	300	<b>130</b>
RP25-C03	25	300	<b>131</b>
RP10-C	30	350	<b>132</b>

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



VP-C	5	350	<b>133</b>
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Valvola di sequenza a 3 vie a cartuccia  
*3 Ways sequence valve – cartridge type*

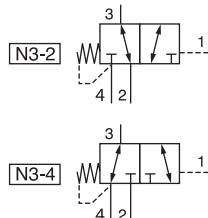


VSQ10-30-C	40	350	<b>134</b>
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**INDICE PER TIPO DI VALVOLA**  
**INDEX BY VALVE TYPE**

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

Valvola di sequenza a 4 vie a cartuccia  
*4 Ways sequence valve – cartridge type*



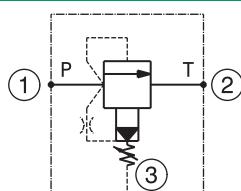
VSQ10-40-C

40

350

**135**

Valvola di sequenza pilotata a cartuccia  
*Pilot operated sequence valve – cartridge type*



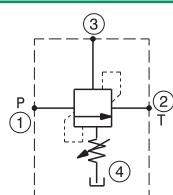
VSQP-20-C

400

350

**136**

Valvola di sequenza pilotata a cartuccia  
*Pilot operated sequence valve – cartridge type*



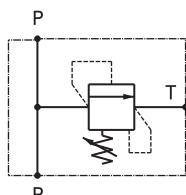
VMSP10-4-C

30

350

**137**

Valvola limitatrice di pressione  
*Direct acting relief valve*



VLP5-18

5

350

**138**

VLP40-14

25

350

**138**

VLP40-38

35

350

**138**

VLP40-12

40

350

**138**

VLP80-12

80

300

**138**

VLP80-34

80

300

**138**

VLP130-34

130

300

**138**

VLP130-10

130

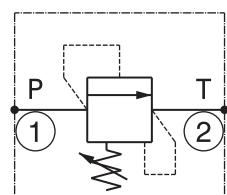
300

**138**

VLP40-08-S

40

350

**139**


VLP10-14

10

350

**140**

VLP10-38

10

350

**140**

VLP30-14

25

350

**141**

VLP30-38

30

350

**141**

VLP30-12

30

350

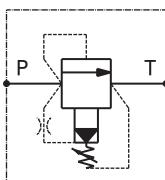
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## INDICE PER TIPO DI VALVOLA

### INDEX BY VALVE TYPE

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

Valvola limitatrice di pressione pilotata  
*Pilot operated relief valve*



VLP200P-34

200

250

**142**

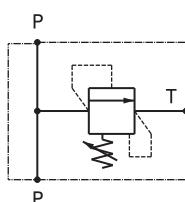
VLP200P-10

200

250

**142**

Valvola limitatrice di pressione  
*Direct acting relief valve*



VLP40-L-14

25

350

**143**

VLP40-L-38

35

350

**143**

VLP40-L-12

40

350

**143**

VLP80-L-12

80

300

**143**

VLP80-L-34

80

300

**143**

VLP130-L-34

130

300

**143**

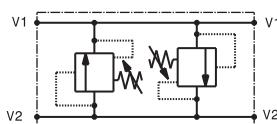
VLP130-L-10

130

300

**143**

Valvola limitatrice di pressione doppia incrociata  
*Dual cross relief valve*



VLP-40-DI-38

35

300

**144**

VLP-40-DI-12

40

300

**144**

VLP-80-DI-12

80

300

**144**

VLP-80-DI-34

80

300

**144**

VLP-130-DI-34

130

250

**144**

VLP-130-DI-10

130

250

**144**

In linea  
*In line*

VLP-10-DIL-14

10

300

**145**

VLP-10-DIL-38

10

300

**145**

VLP-40-DIL-38

35

300

**145**

VLP-40-DIL-12

40

300

**145**

VLP-80-DIL-12

80

300

**145**

VLP-80-DIL-34

80

300

**145**

VLP-130-DIL-34

130

250

**145**

VLP-130-DIL-10

130

250

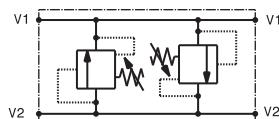
**145**

## INDICE PER TIPO DI VALVOLA

### INDEX BY VALVE TYPE

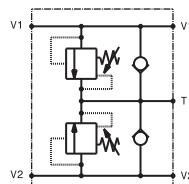
	Q	P	PAGINA
	(l/min)	(bar)	PAGE

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



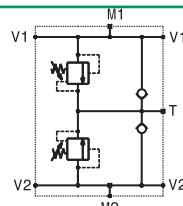
VLP40-DI-L-08S	35	300	<b>146</b>
VLP80-DI-L-10S	80	300	<b>146</b>
VLP130-DI-L-12S	130	250	<b>146</b>

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



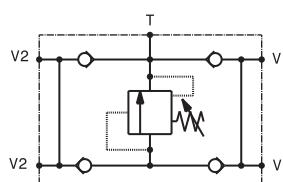
VLP40-DA-38	40	300	<b>147</b>
VLP40-DA-12	40	300	<b>147</b>
VLP80-DA-12	80	300	<b>147</b>
VLP80-DA-34	80	300	<b>147</b>
VLP130-DA-34	130	300	<b>148</b>

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



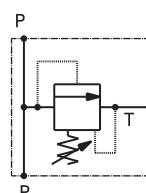
VLP40020-DA	400	280	<b>149</b>
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Valvola limitatrice di pressione semplice e anticavitazione  
*Single relief and anticavitation valve*



VLP40-A-12	40	300	<b>150</b>
VLP80-A-12	80	300	<b>150</b>
VLP80-A-34	80	300	<b>150</b>

Valvola limitatrice di pressione flangiabile con vite cava  
*Relief nipple screw flangeable valve*



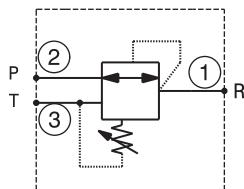
VLP40-VC-12	40	350	<b>151</b>
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## INDICE PER TIPO DI VALVOLA

### INDEX BY VALVE TYPE

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

Valvola riduttrice di pressione diretta  
*Direct acting pressure reducing valve*



RP-25-14

25

300

**152**

RP-25-38

25

300

**152**

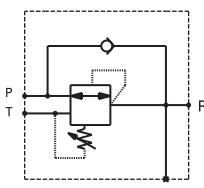
RP-25-12

25

300

**152**

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



RP-25-VU-14

25

300

**153**

RP-25-VU-38

25

300

**153**

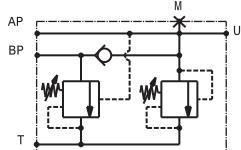
RP-25-VU-12

25

300

**153**

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



VEP-VLP40-38

40

350

**154**

VEP-VLP40-12

40

350

**154**

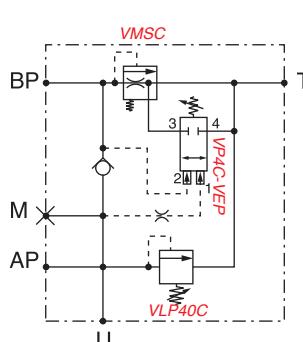
VEP-VLP80-12

80

350

**155**

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



VEP-VLP150

130 (BP)

280

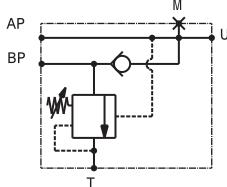
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## INDICE PER TIPO DI VALVOLA

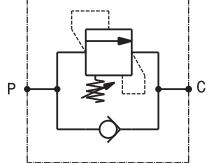
### INDEX BY VALVE TYPE

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

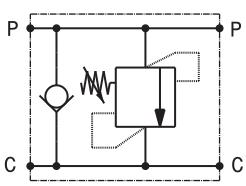
Valvola di esclusione alta-bassa pressione flangiabile su pompa ad ingranaggi  
*High - low pressure, relief and unloading valve – direct mounting on gear pumps*

	VEP80-FPG-2112	45 (BP)	350	<b>157</b>
	VEP80-FPG-30-2112	45 (BP)	350	<b>157</b>
	VEP80-FPG-2212	45 (BP)	350	<b>157</b>
	VEP40-FPG-1138	25 (BP)	350	<b>158</b>

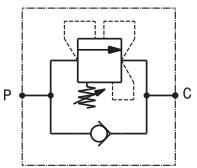
Valvola di sequenza ad azione diretta  
*Direct acting sequence valve*

	VSQ40-38	40	300	<b>159</b>
	VSQ40-12	40	300	<b>159</b>
	VSQ80-12	80	300	<b>159</b>
	VSQ80-34	80	300	<b>159</b>

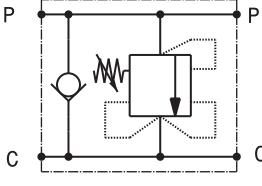
Valvola di sequenza ad azione diretta in linea  
*In line, direct acting sequence valve*

	VSQ40-L-38	40	300	<b>160</b>
	VSQ40-L-12	40	300	<b>160</b>
	VSQ80-L-12	80	300	<b>160</b>
	VSQ80-L-34	80	300	<b>160</b>
	VSQ130-L-34	130	300	<b>160</b>
	VSQ130-L-10	130	300	<b>160</b>

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

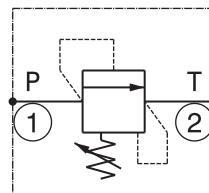
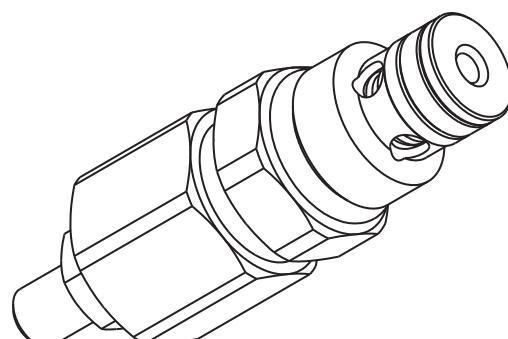
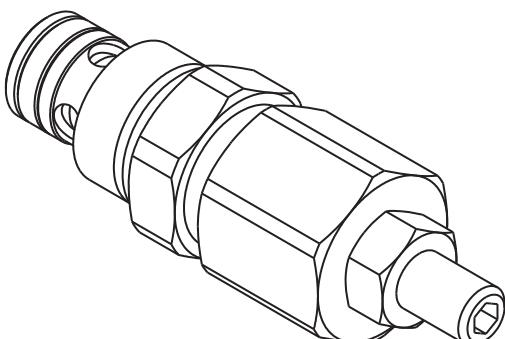
	VSQ40-CC-38	40	300	<b>161</b>
	VSQ40-CC-12	40	300	<b>161</b>
	VSQ80-CC-12	80	300	<b>161</b>
	VSQ80-CC-34	80	300	<b>161</b>

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	<b>162</b>
	VSQ40-L-CC-12	40	300	<b>162</b>
	VSQ80-L-CC-12	80	300	<b>162</b>
	VSQ80-L-CC-34	80	300	<b>162</b>
	VSQ130-L-CC-34	130	300	<b>162</b>
	VSQ130-L-CC-10	130	300	<b>162</b>

Valvola limitatrice di pressione diretta a cartuccia  
*Direct acting relief valve – cartridge type*

mod. VLP5-C

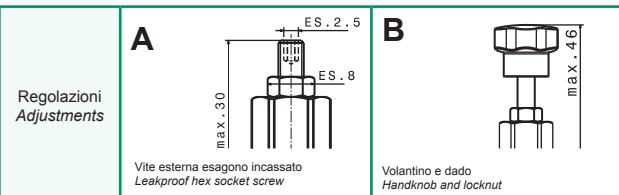
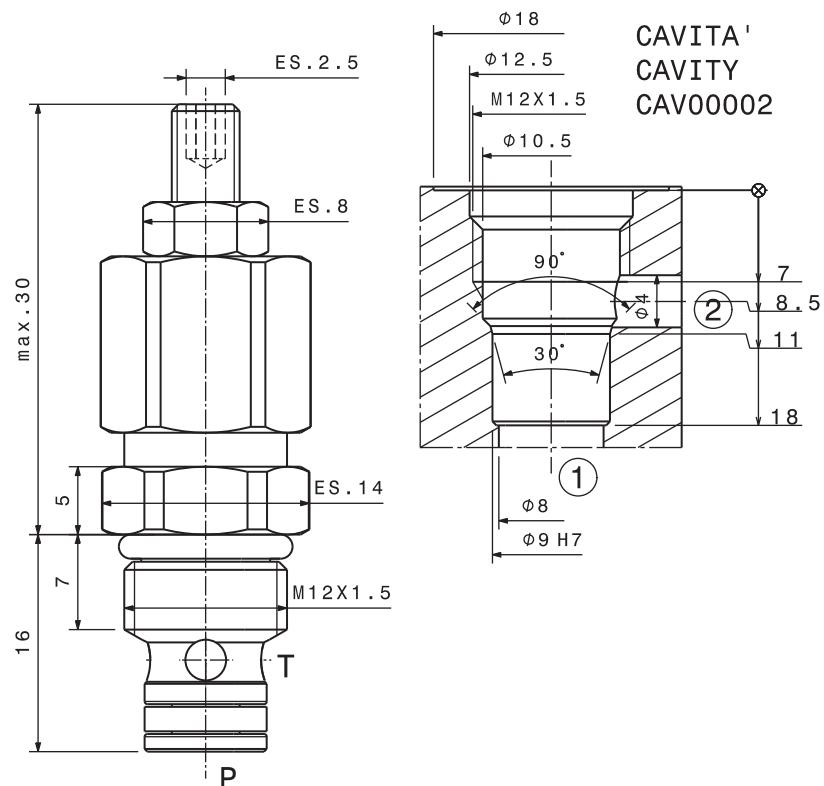


Portata massima Max flow	5 l/min 1.3 gpm
Pressione massima Max pressure	400 bar 5800 psi
Coppia di serraggio Installation torque	12 ÷ 15 Nm 9 ÷ 11 lb ft

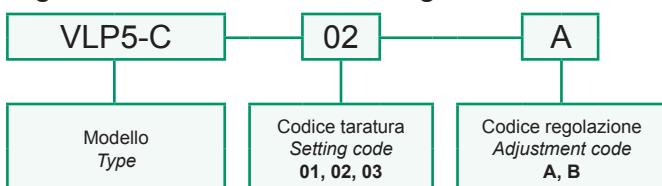
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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

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



Sigla di ordinazione / Ordering code



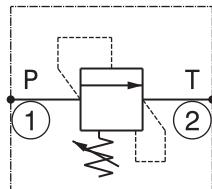
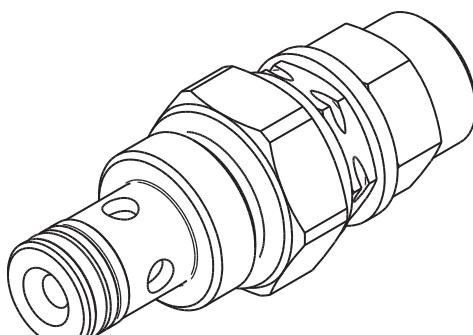
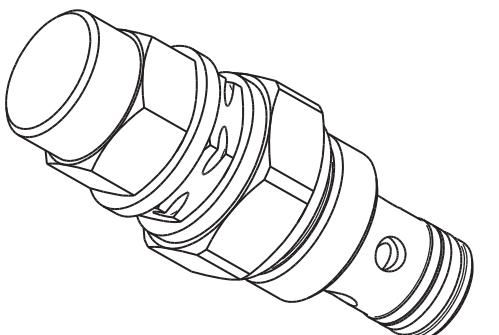
For flow diagram see  
PRESSURE DROP RELIEF VALVE (1)

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 limitatrice di pressione diretta a cartuccia

Direct acting relief valve – cartridge type

mod. VLP10-C

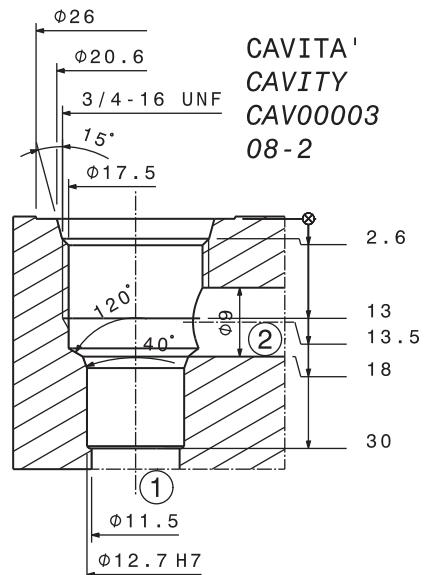
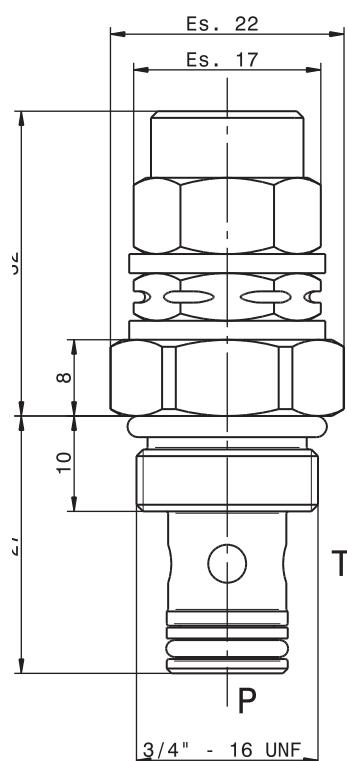


Portata massima Max flow	10 l/min 2.6 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	23 ÷ 26 Nm 17 ÷ 19.5 lb ft

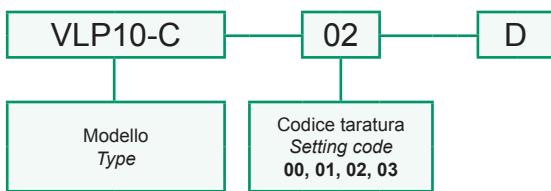
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate 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
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



## Sigla di ordinazione / Ordering code

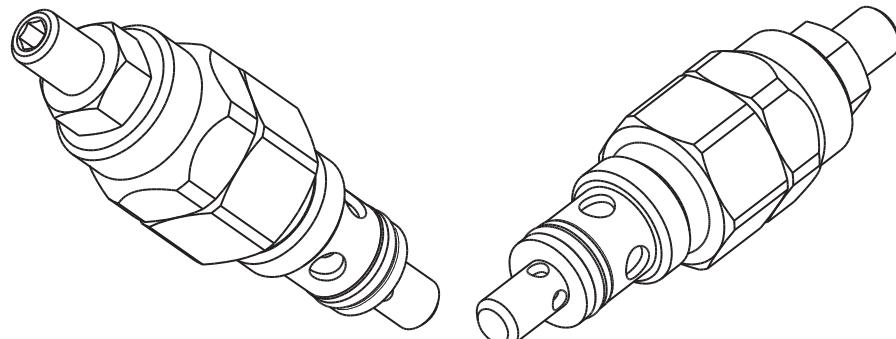


For flow diagram see  
 PRESSURE DROP RELIEF VALVE (2)

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

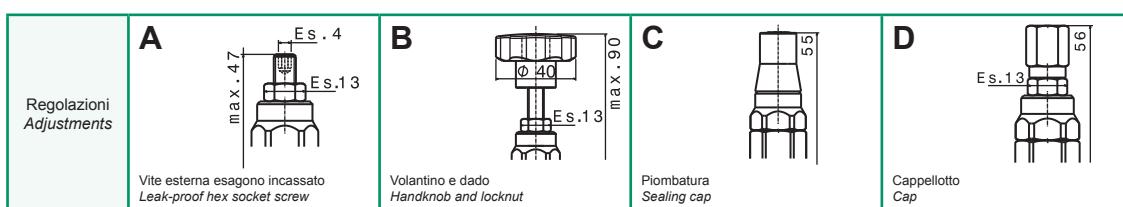
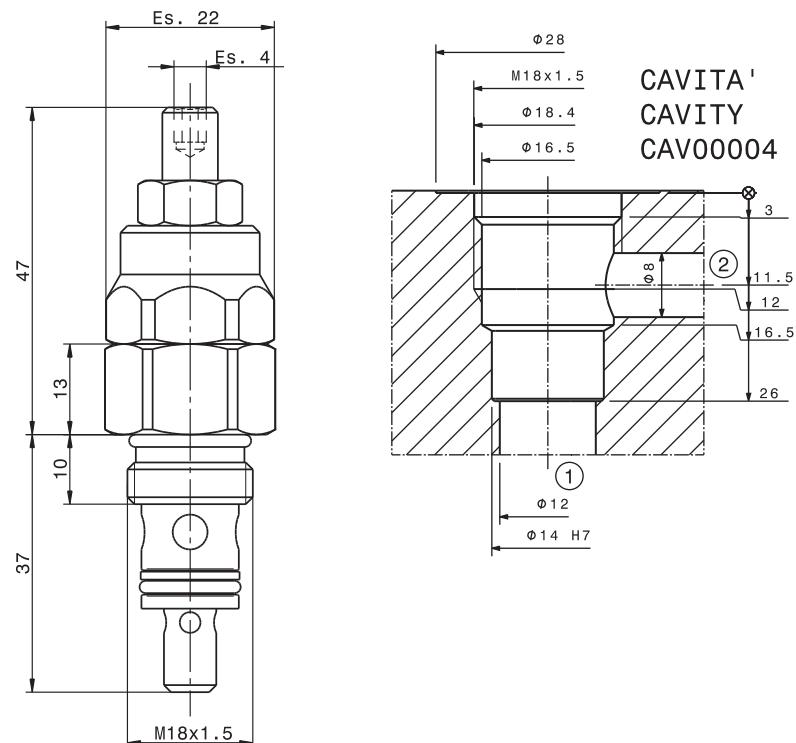


Portata massima Max flow	20 l/min 5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	23 ÷ 26 Nm 17 ÷ 19.5 lb ft

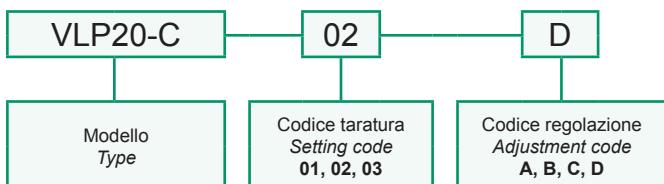
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

Viscosità consigliate 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	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



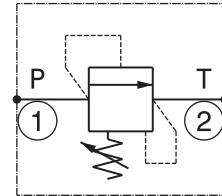
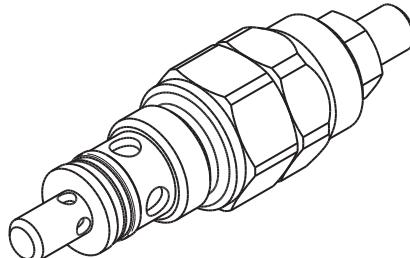
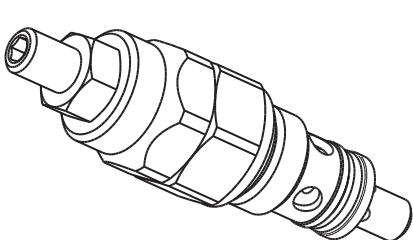
Sigla di ordinazione / Ordering code



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**

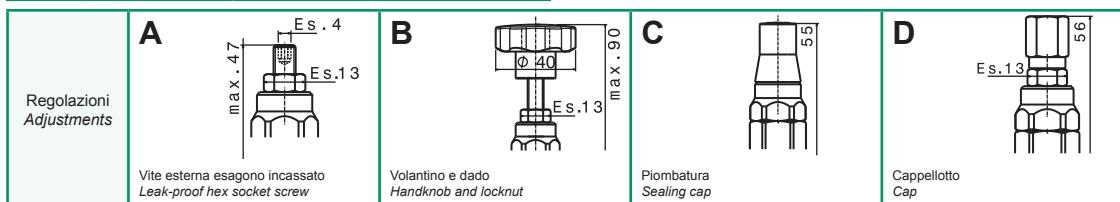
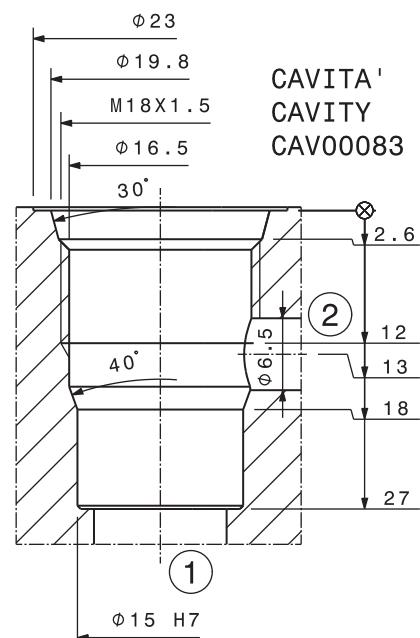
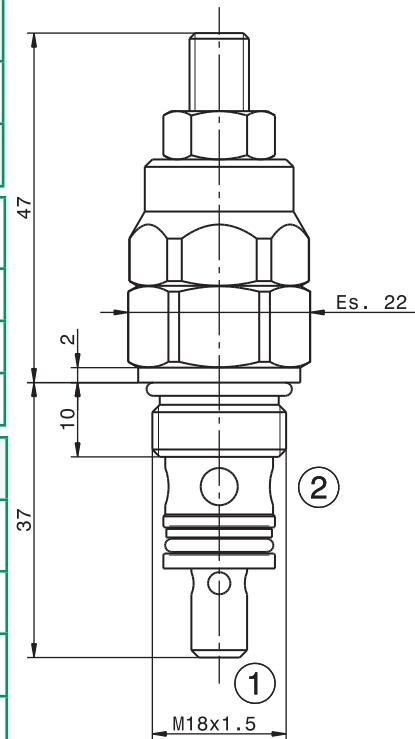


Portata massima Max flow	30 l/min 8 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 22 lbf ft

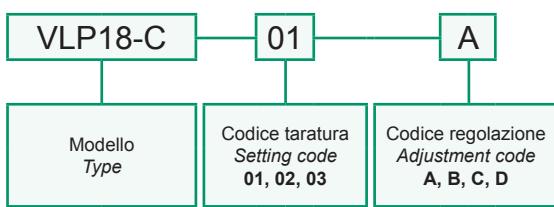
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

Viscosità consigliate 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	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



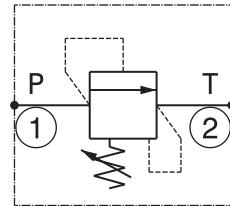
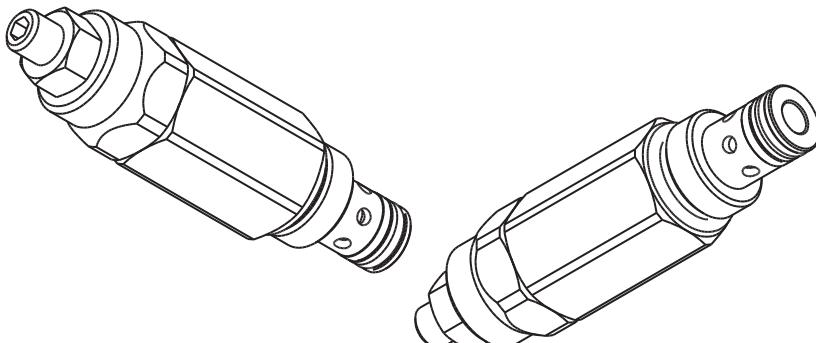
Sigla di ordinazione / Ordering code



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**

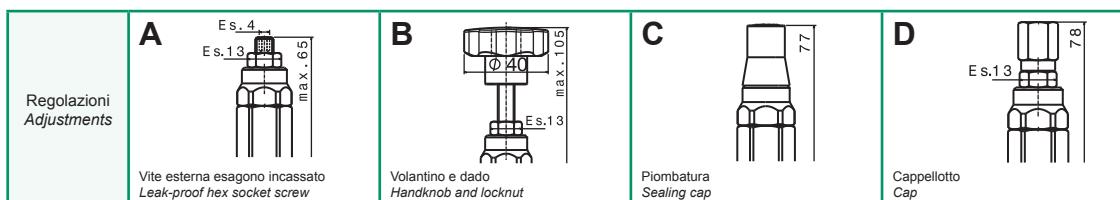
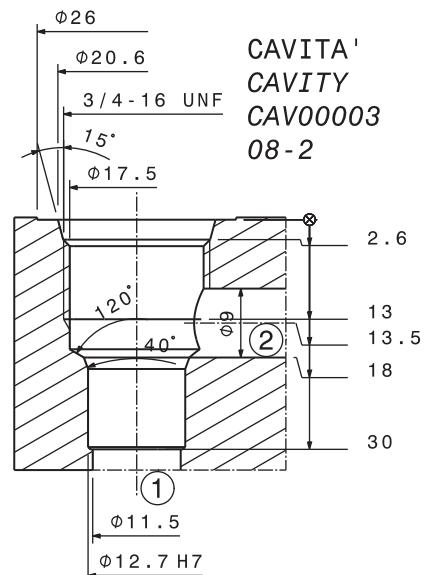
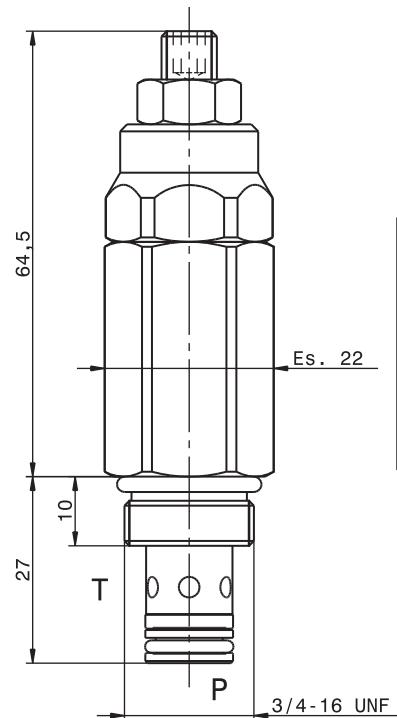


Portata massima <i>Max flow</i>	30 l/min 8 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	30 ÷ 35 Nm 22.5 ÷ 26 lb ft

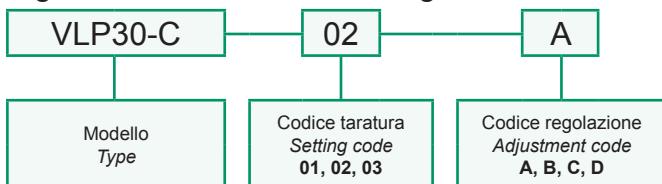
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C <i>Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C</i>
Viscosità consigliate <i>Recommended viscosity</i>
Temperatura di lavoro <i>Working temperature</i>
Filtrazione assoluta <i>Absolute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

Taratura  
*Setting*

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



Sigla di ordinazione / Ordering code

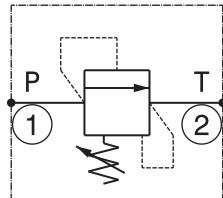
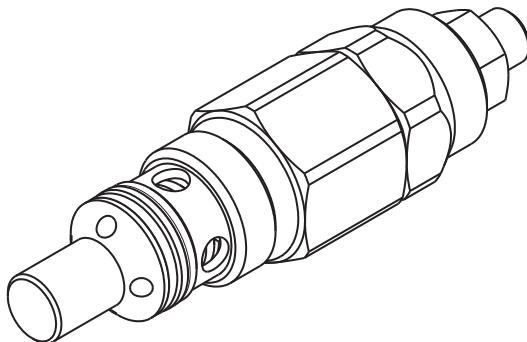
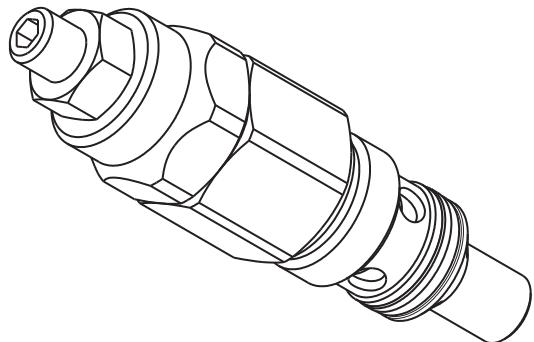


For flow diagram see  
**PRESSURE DROP RELIEF VALVE (5)**

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

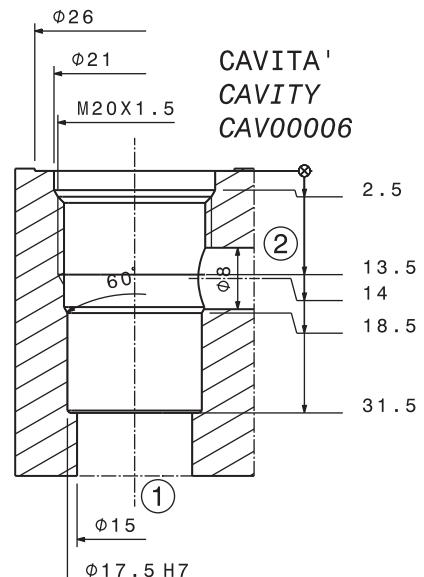
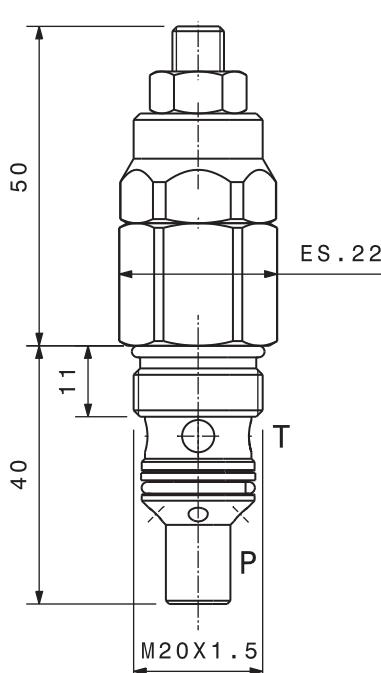


Portata massima Max flow	40 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 22.5 lb ft

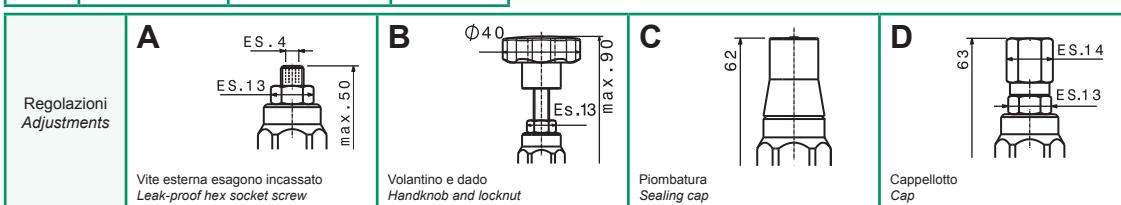
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

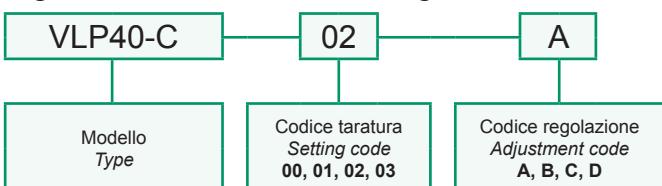
Taratura Setting			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring colour
00*	40 bar 580 psi	5÷40 bar 72.5÷580 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo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



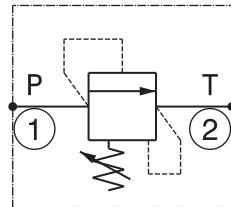
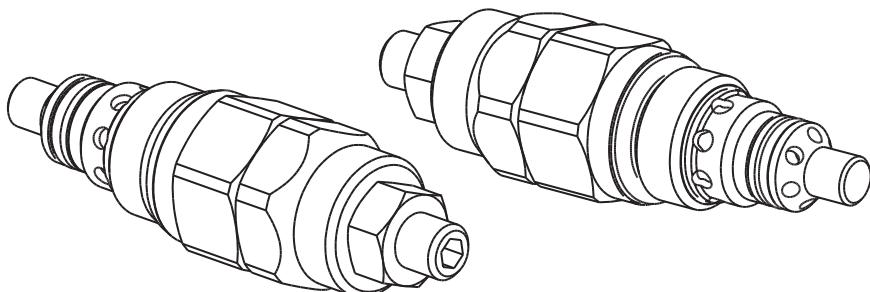
## Sigla di ordinazione / Ordering code



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

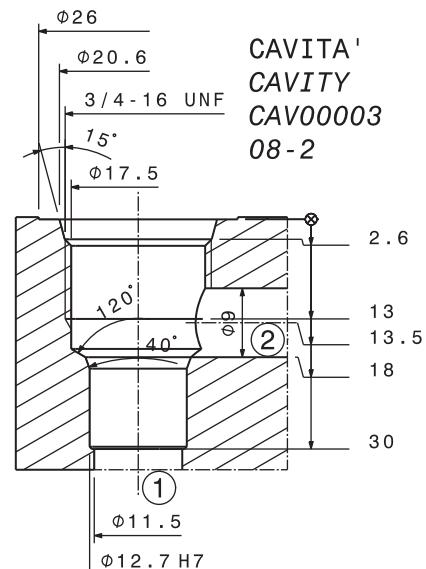
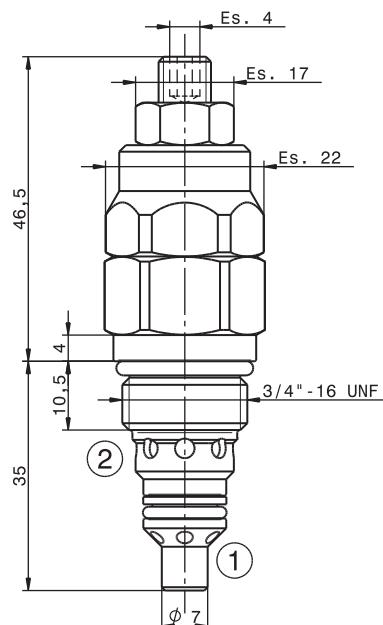


Portata massima Max flow	40 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 22.5 lb ft

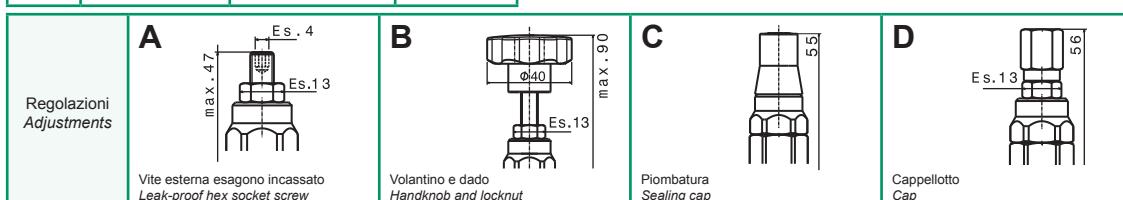
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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

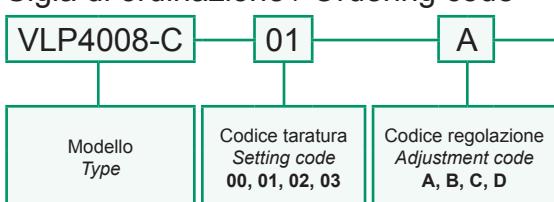
Taratura Setting			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring colour
00*	40 bar 580 psi	5÷40 bar 72.5÷580 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo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



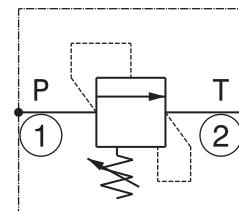
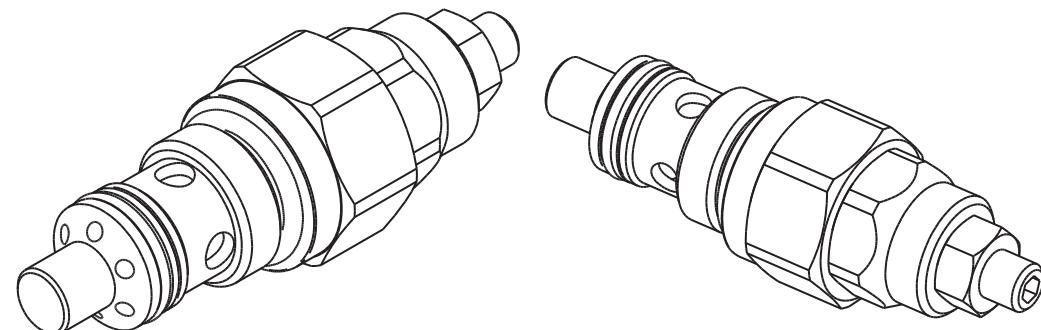
Sigla di ordinazione / Ordering code



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**

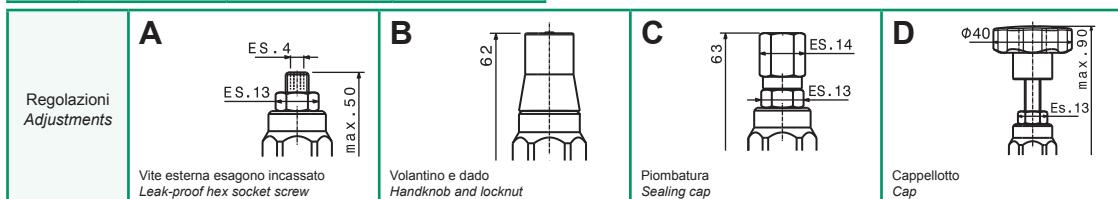
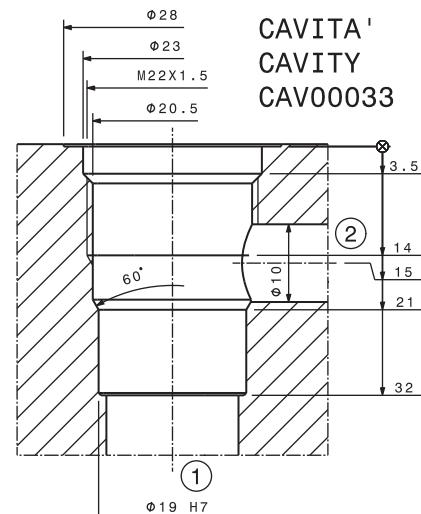
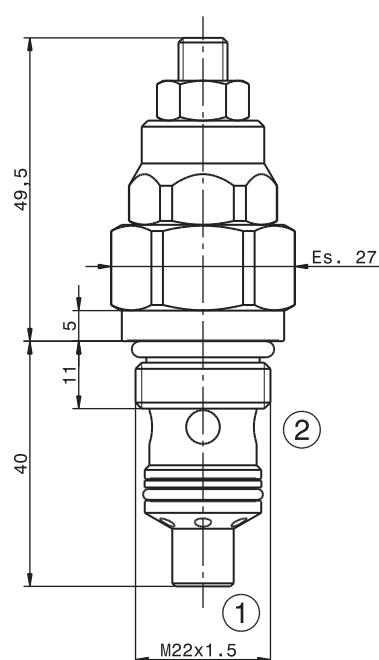


Portata massima Max flow	40 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	45 ÷ 50 Nm 33 ÷ 37 lbf ft

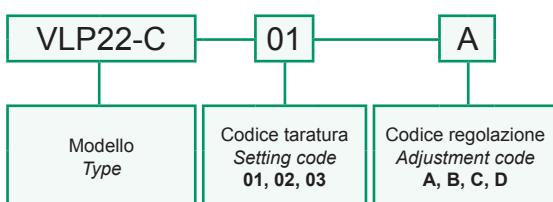
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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	Pressione increase bar/psi per turn
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	29 bar 420 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	60 bar 870 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	70 bar 1015 psi



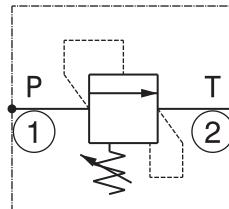
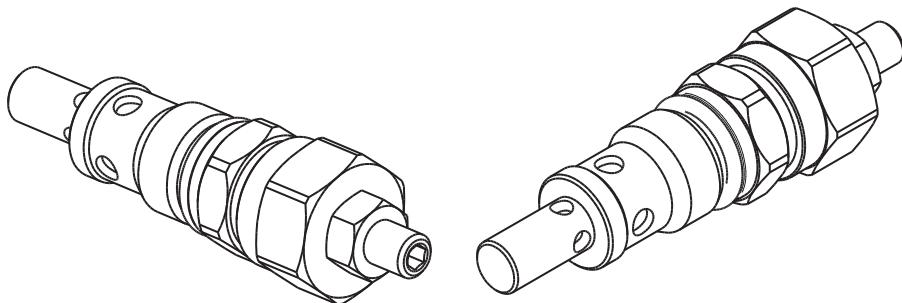
Sigla di ordinazione / Ordering code



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**

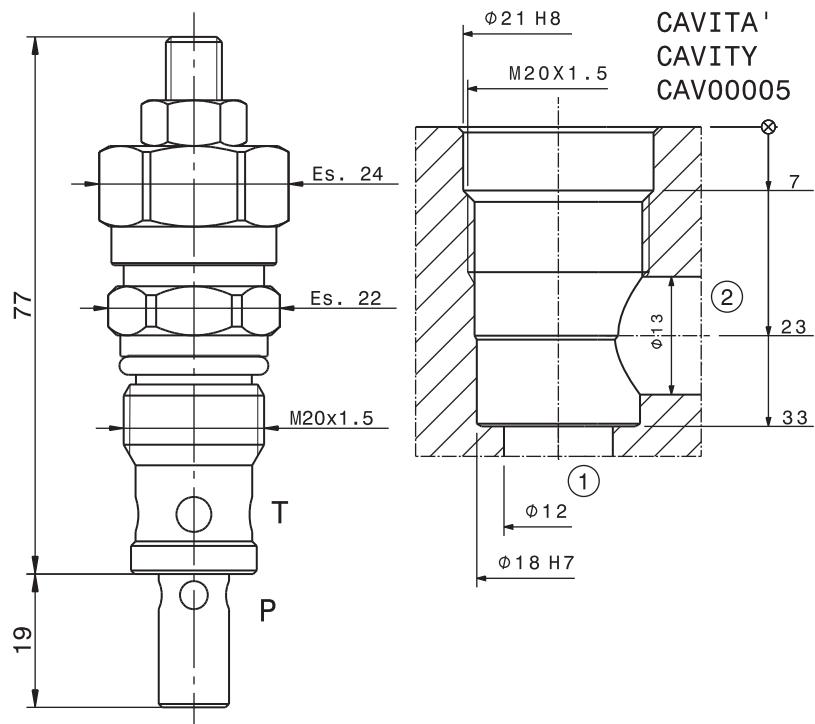


Portata massima <i>Max flow</i>	45 l/min 12 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	45 ÷ 50 Nm 34 ÷ 38 lb ft

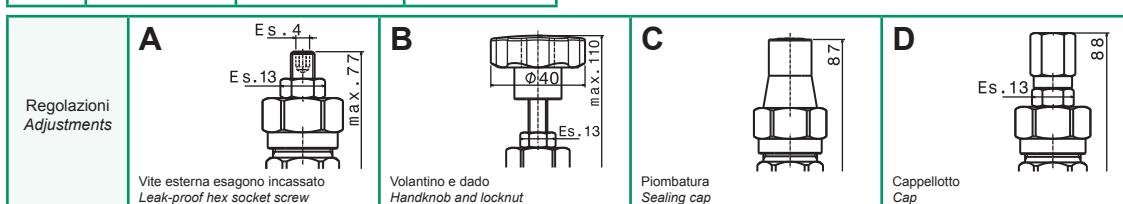
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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

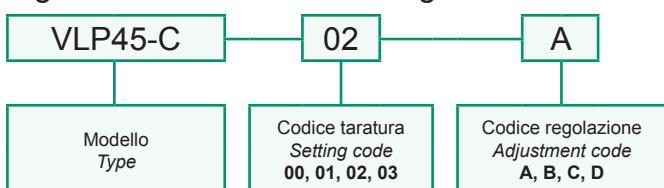
Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
00*	40 bar 580 psi	5÷40 bar 72.5÷580 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600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



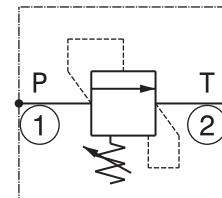
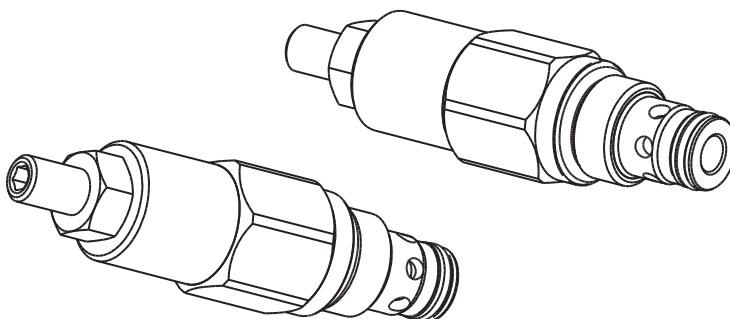
Sigla di ordinazione / Ordering code



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

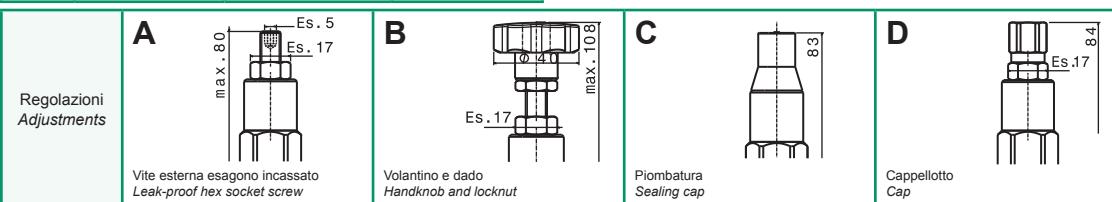
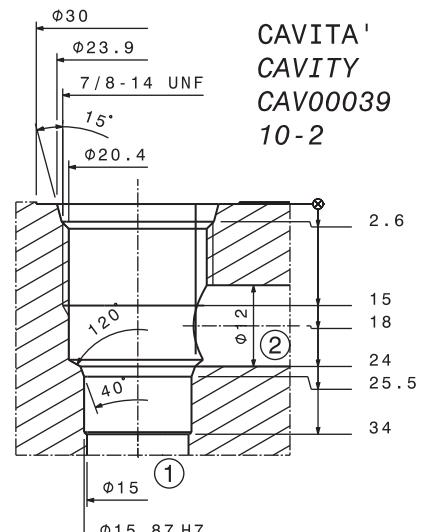
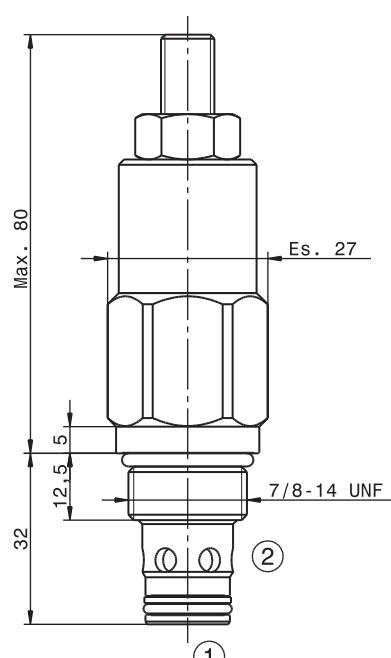


Portata massima Max flow	70 l/min 18.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	45 ÷ 50 Nm 33 ÷ 37 lbf ft

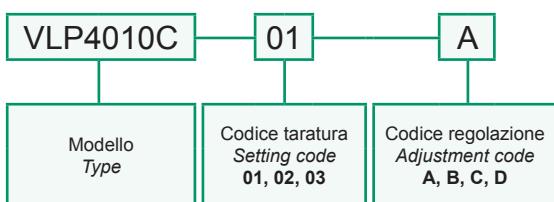
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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	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



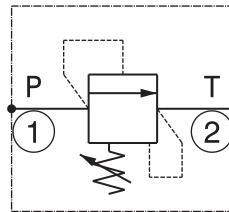
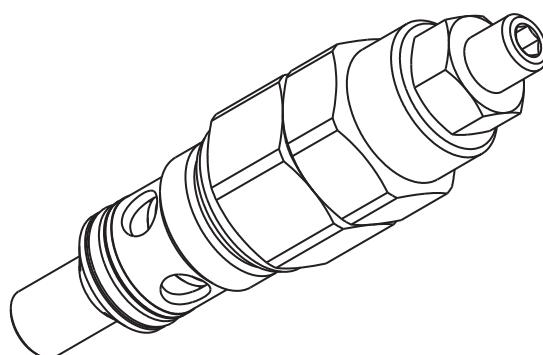
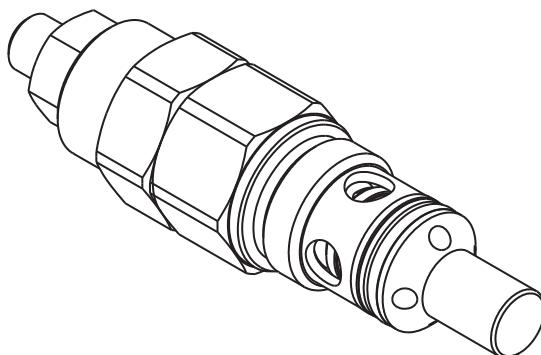
Sigla di ordinazione / Ordering code



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**



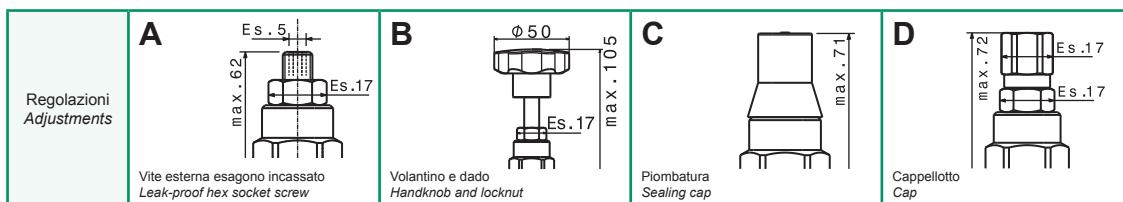
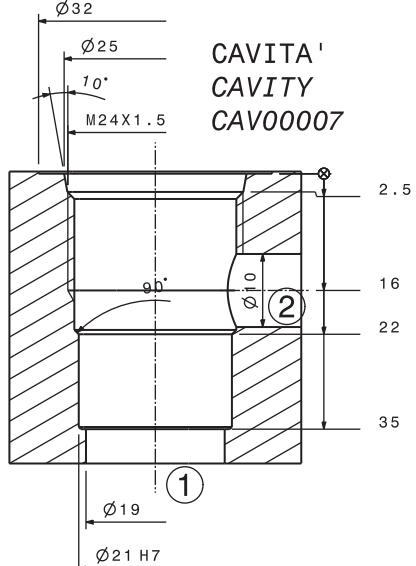
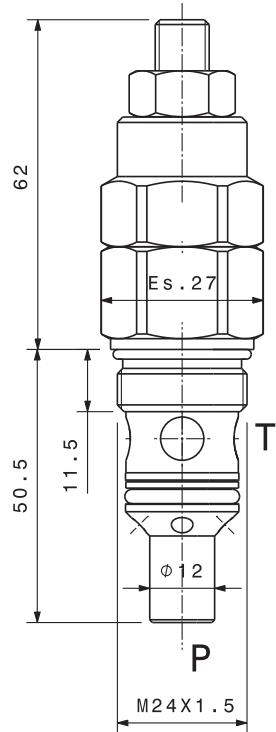
Portata massima Max flow	80 l/min 21 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	65 ÷ 70 Nm 49 ÷ 52 lb ft

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

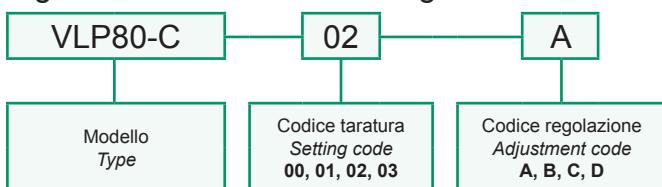
Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Taratura <i>Setting</i>			
Codice Code	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*



Sigla di ordinazione / Ordering code

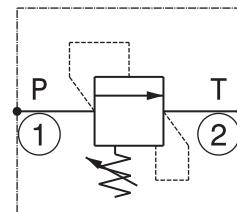
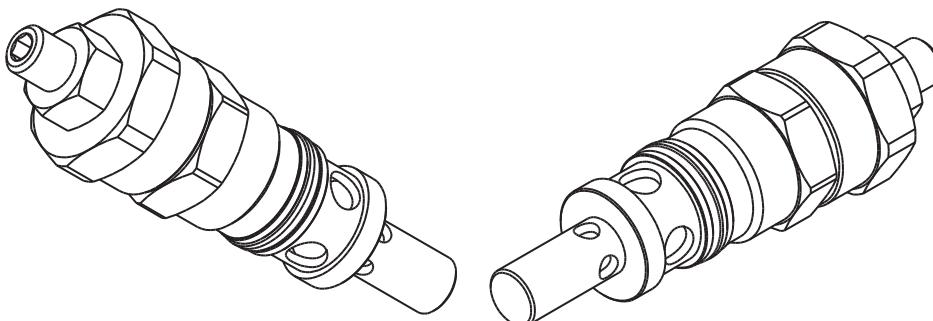


For flow diagram see  
*PRESSURE DROP RELIEF VALVE (10)*

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

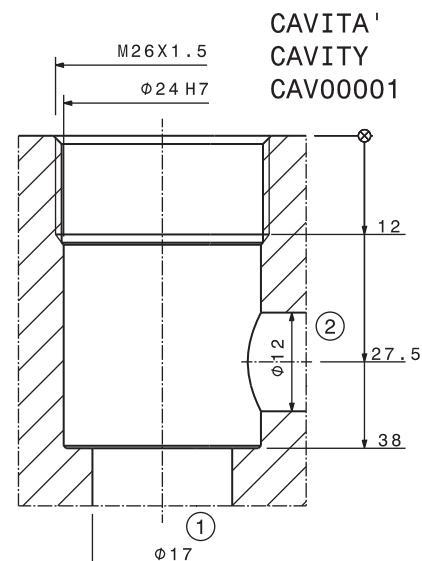
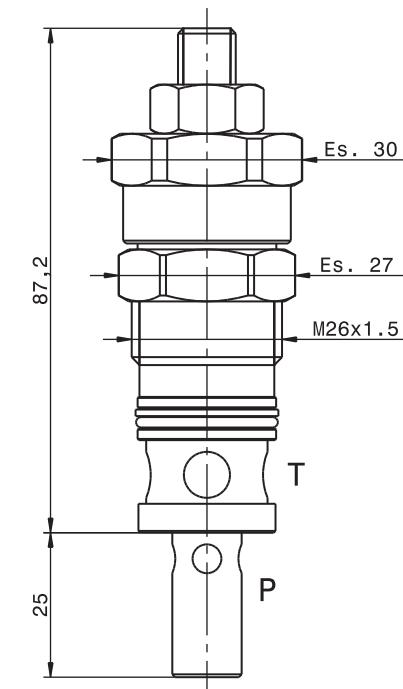


Portata massima Max flow	85 l/min 22 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	85 ÷ 90 Nm 64 ÷ 67 lb ft

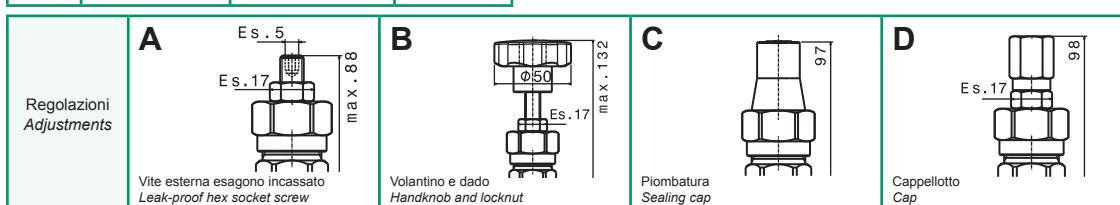
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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

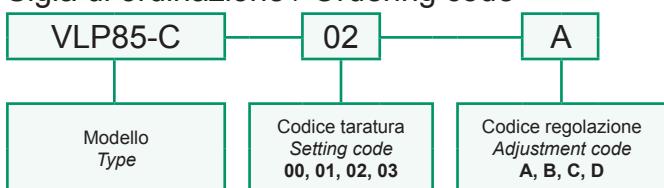
Taratura Setting			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring colour
00*	40 bar 580 psi	5÷40 bar 72.5÷580 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo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



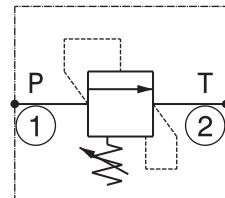
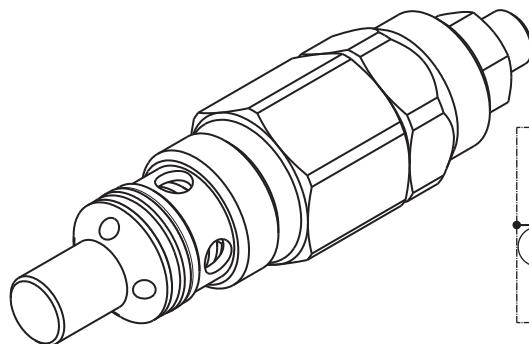
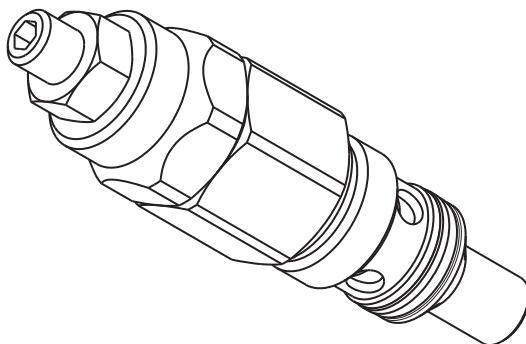
Sigla di ordinazione / Ordering code



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

mod. VLPD40-C

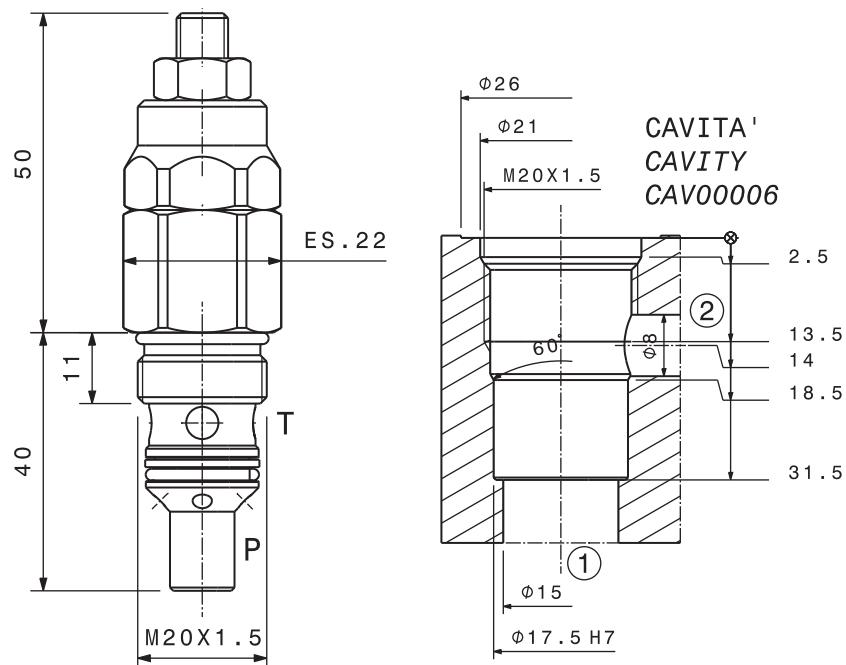


Portata massima Max flow	50 l/min 13.2 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 22.5 lb ft

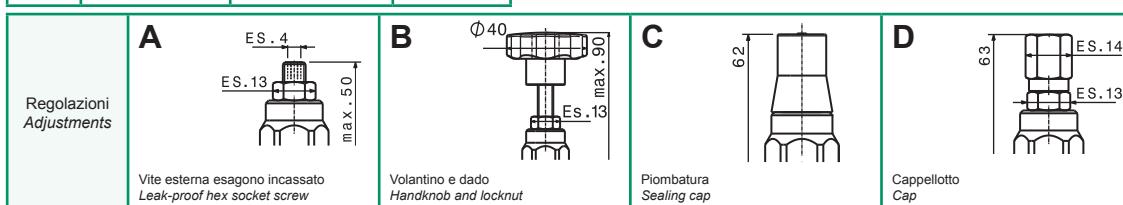
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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

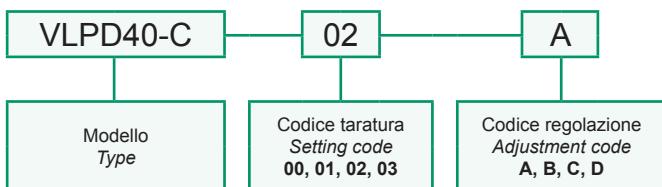
Taratura Setting			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring colour
00*	40 bar 580 psi	5÷40 bar 72.5÷580 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo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



Sigla di ordinazione / Ordering code

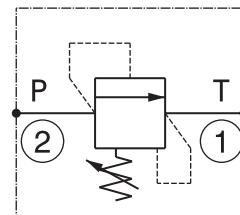
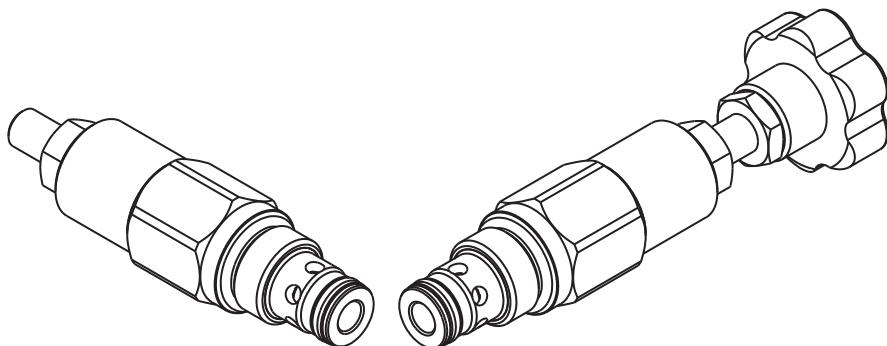


For flow diagram see  
*PRESSURE DROP RELIEF VALVE (14)*

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. VLPD10-C

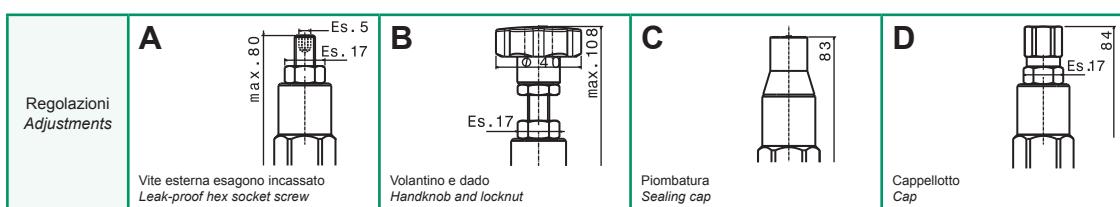
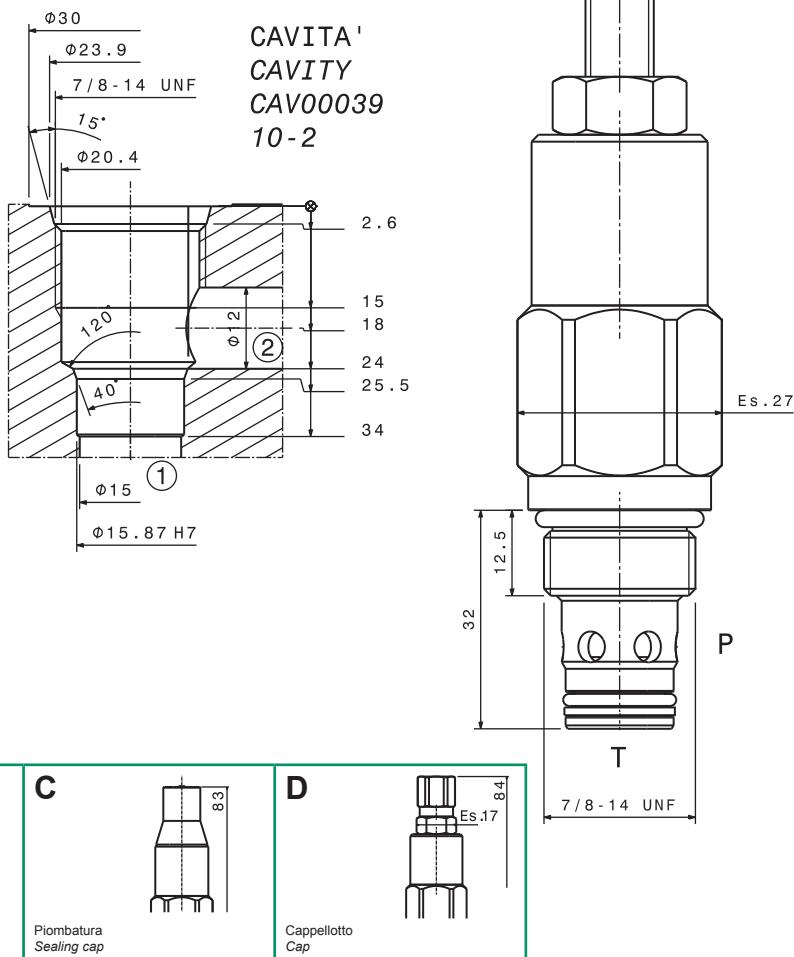


Portata massima Max flow	80 l/min 21 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	45 ÷ 50 Nm 33 ÷ 37 lbf ft

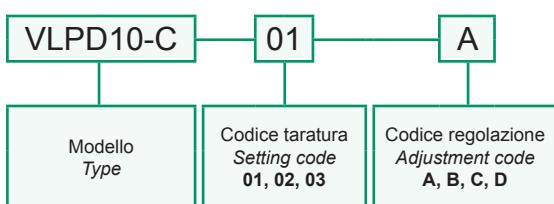
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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	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



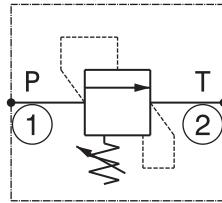
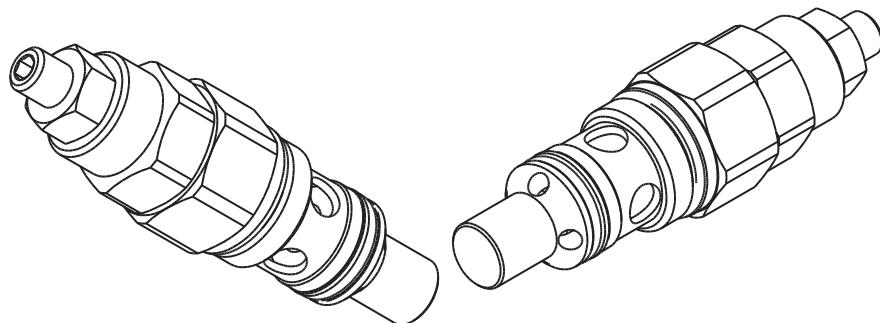
Sigla di ordinazione / Ordering code



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**

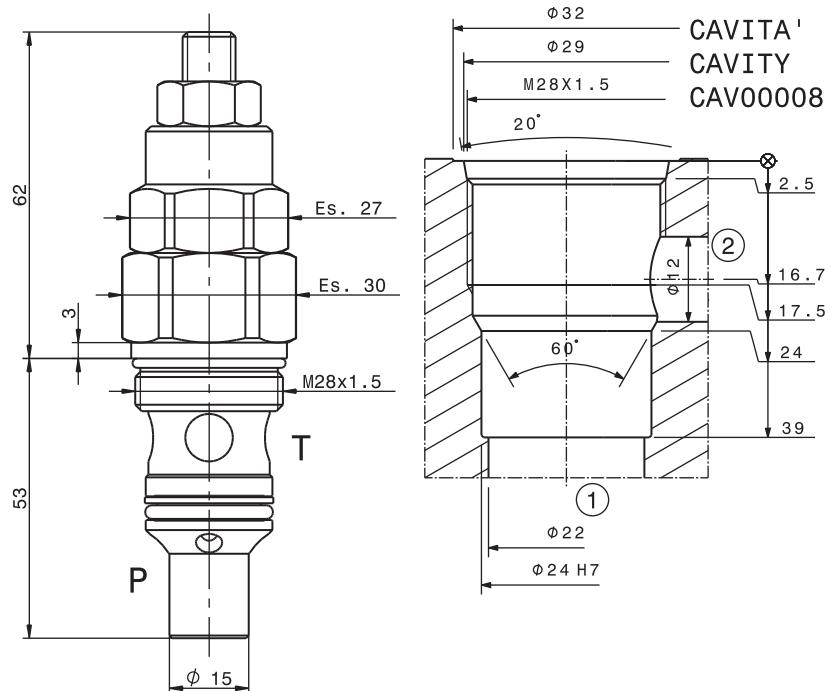


Portata massima Max flow	130 l/min 34 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	140 ÷ 160 Nm 105 ÷ 120 lb ft

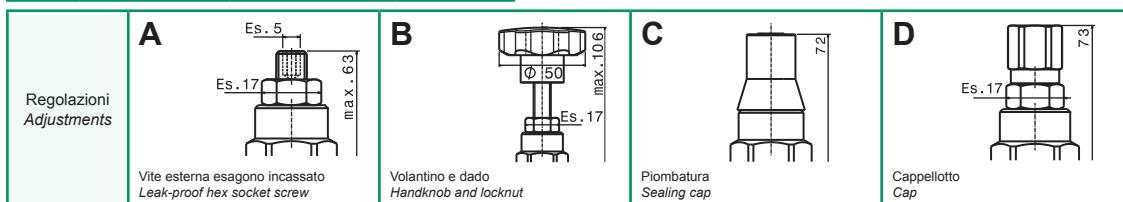
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

Viscosità consigliate <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

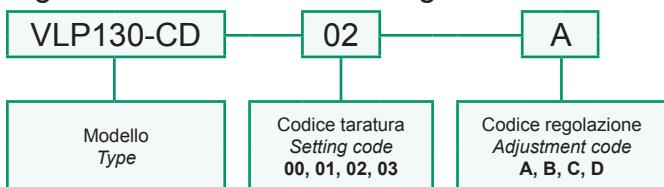
Taratura <i>Setting</i>			
Codice Code	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Colore molla <i>Spring colour</i>
00*	40 bar 580 psi	5÷40 bar 72.5÷580 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250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



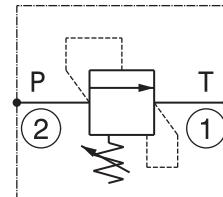
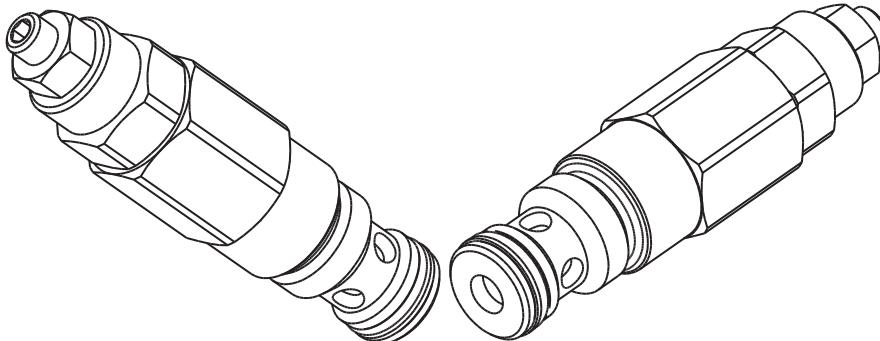
Sigla di ordinazione / Ordering code



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**

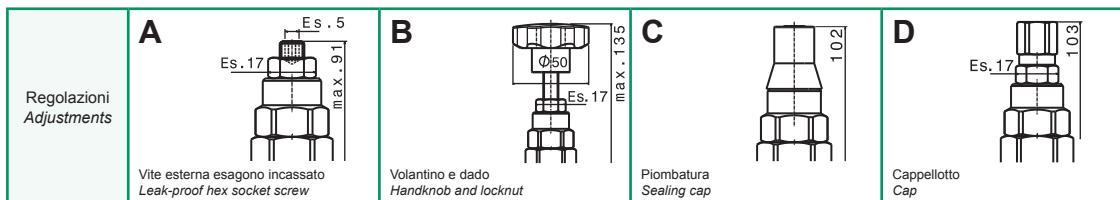
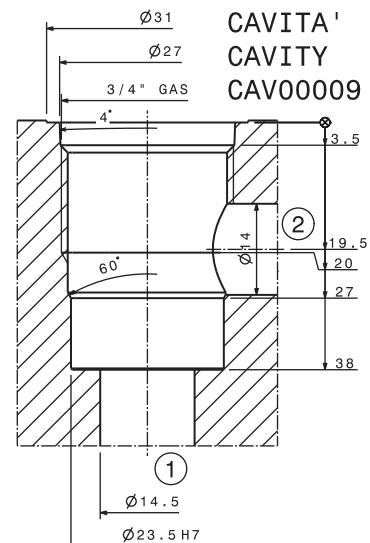
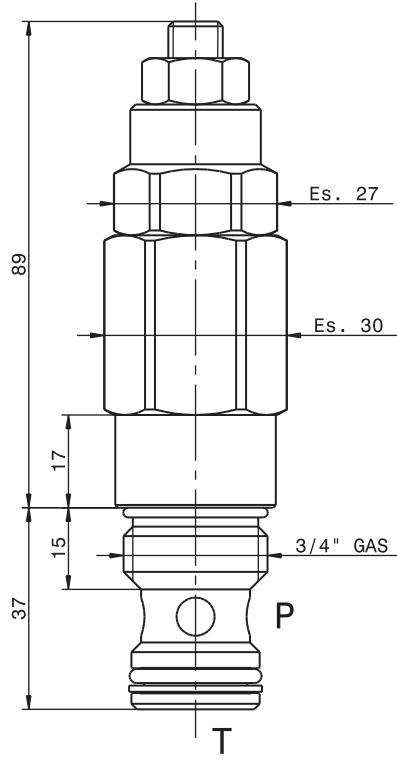


Portata massima Max flow	150 l/min 40 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	140 ÷ 160 Nm 105 ÷ 120 lb ft

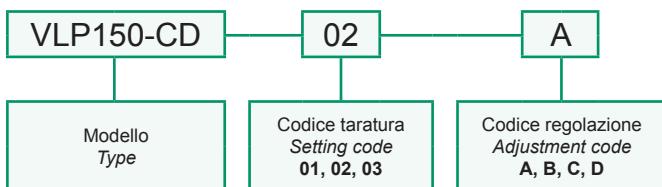
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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

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 <i>1160 psi</i>	20÷100 bar <i>290÷1450 psi</i>	Bianco White
02	180 bar <i>2600 psi</i>	40÷250 bar <i>580÷3600 psi</i>	Giallo Yellow
03	250 bar <i>3600 psi</i>	60÷350 bar <i>870÷5000 psi</i>	Nero Black



Sigla di ordinazione / Ordering code

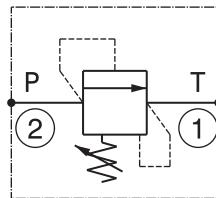
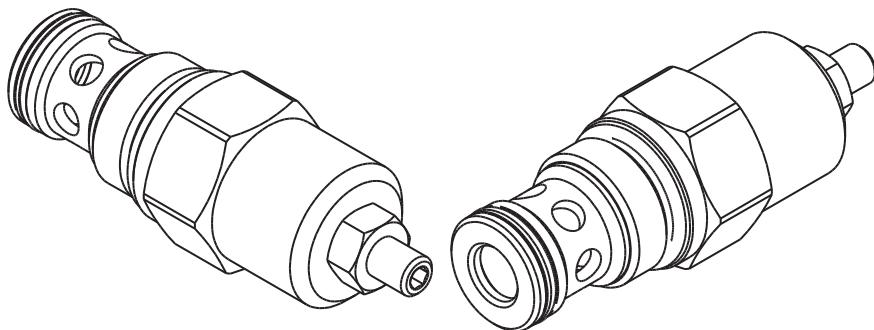


For flow diagram see  
PRESSURE DROP RELIEF VALVE (12)

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

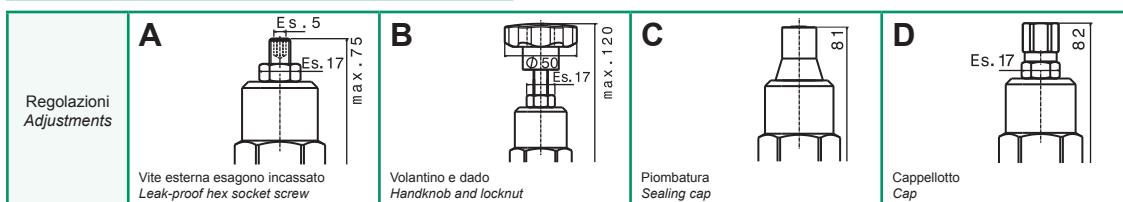
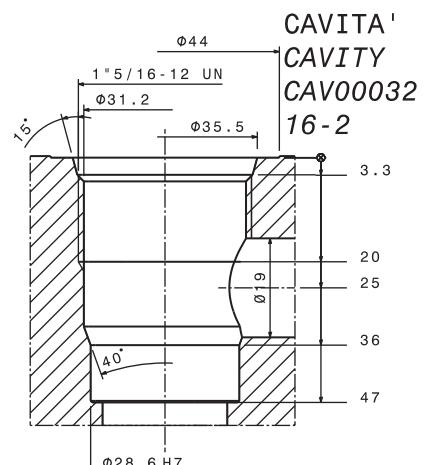
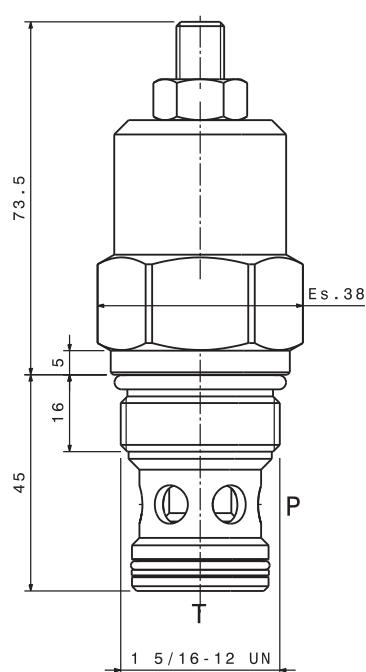


Portata massima Max flow	200 l/min 53 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	180 ÷ 200 Nm 135 ÷ 150 lb ft

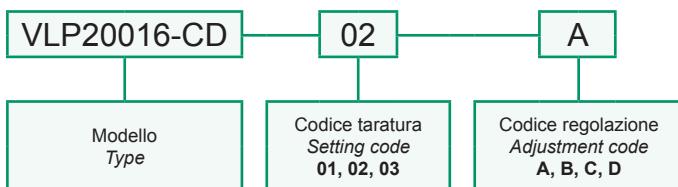
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

Viscosità consigliate 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	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

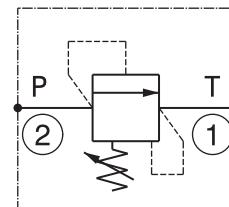
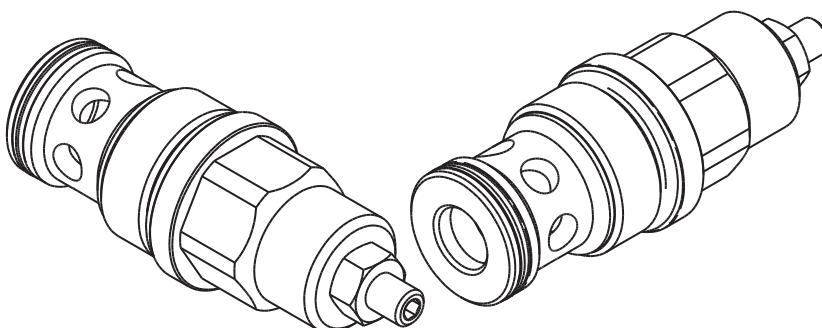


I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.  
*The specifications are not binding, CBF reserves the right to introduce modifications without notice.*

Valvola limitatrice di pressione diretta con pistone differenziale, a cartuccia

*Direct acting differential piston relief valve – cartridge type*

mod. VLP40020-CD

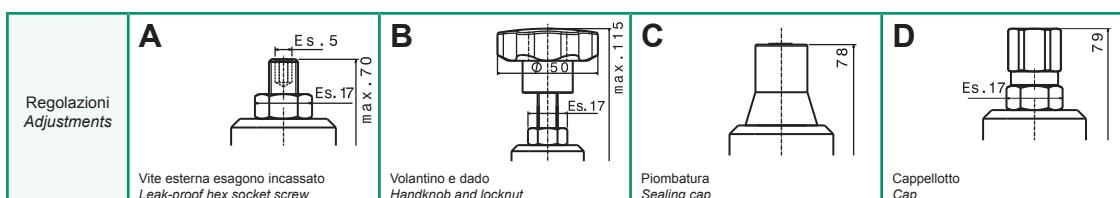
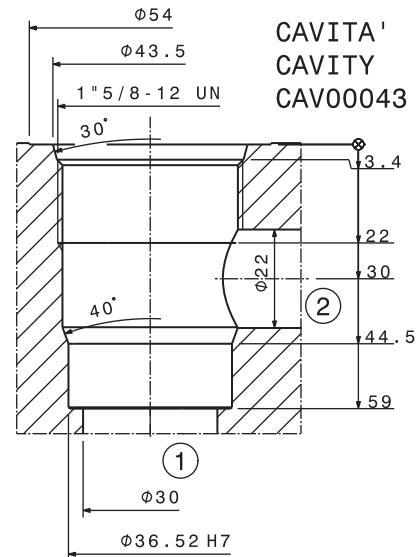
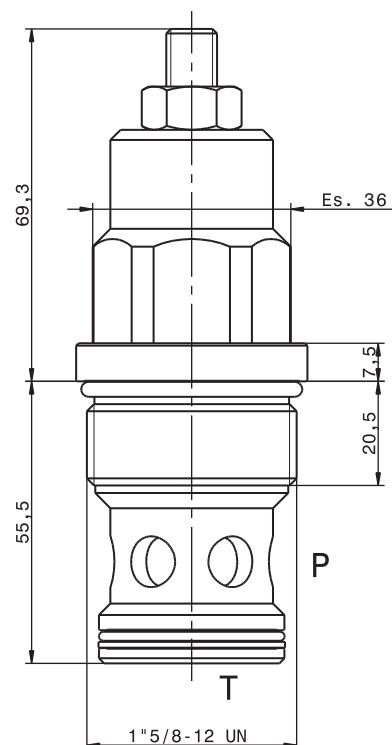


Portata massima Max flow	400 l/min 105 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	220 ÷ 250 Nm 165 ÷ 187 lb ft

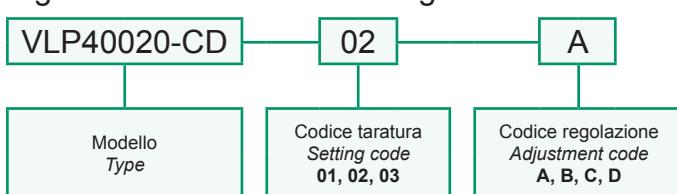
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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

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



Sigla di ordinazione / Ordering code

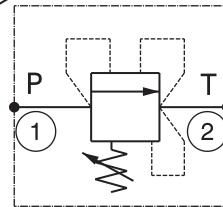
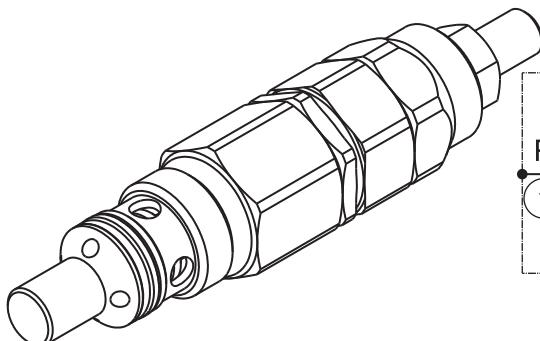
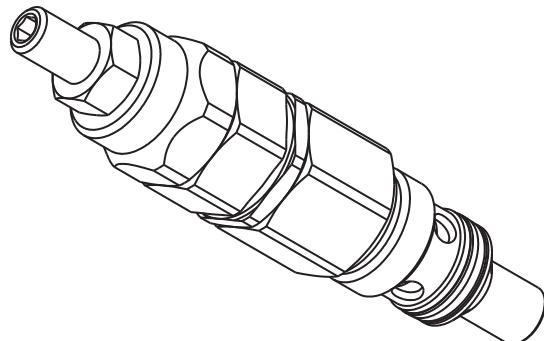


I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.  
*The specifications are not binding, CBF reserves the right to introduce modifications without notice.*

## Valvola limitatrice di pressione diretta a cartuccia compensata in pressione

Pressure compensated, direct acting relief valve – cartridge type

mod. VLP40-CC

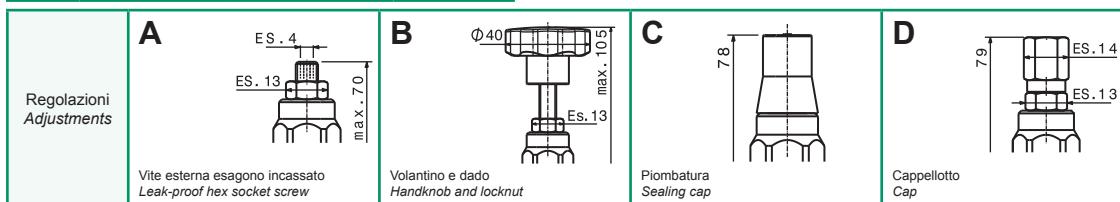
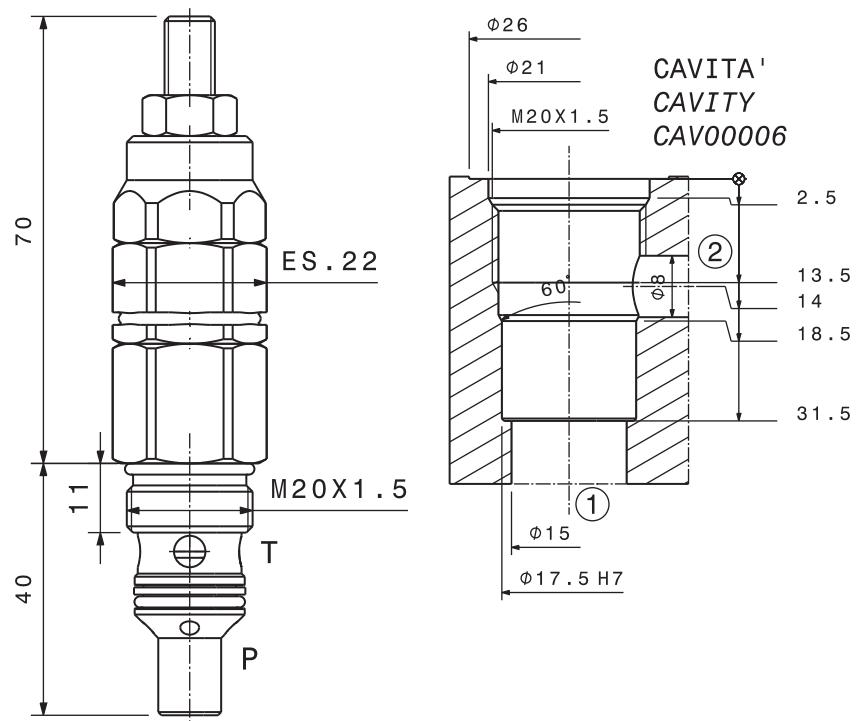


Portata massima Max flow	40 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 22.5 lb ft

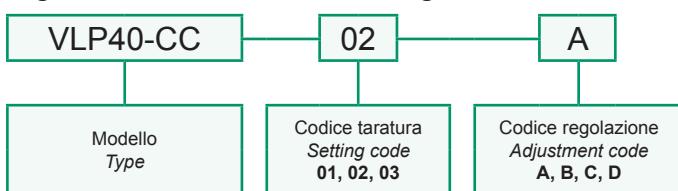
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
 Performances and calibrations are carried out by using hydraulic oil  
 with 30 cSt viscosity at 50°C

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

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	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



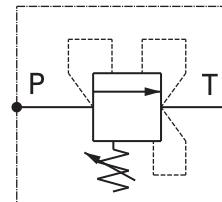
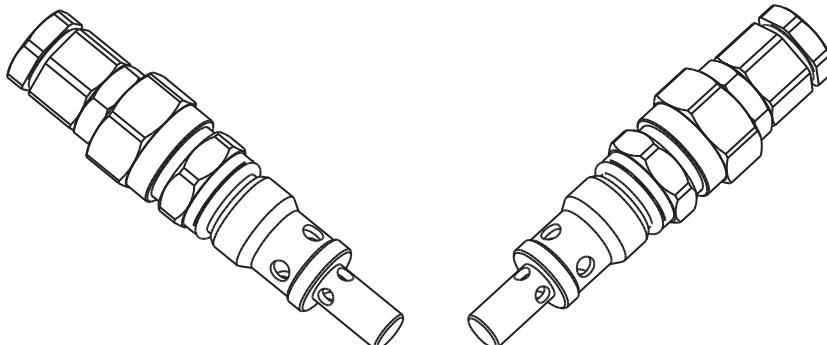
For flow diagram see  
PRESSURE DROP RELIEF VALVE (6)

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

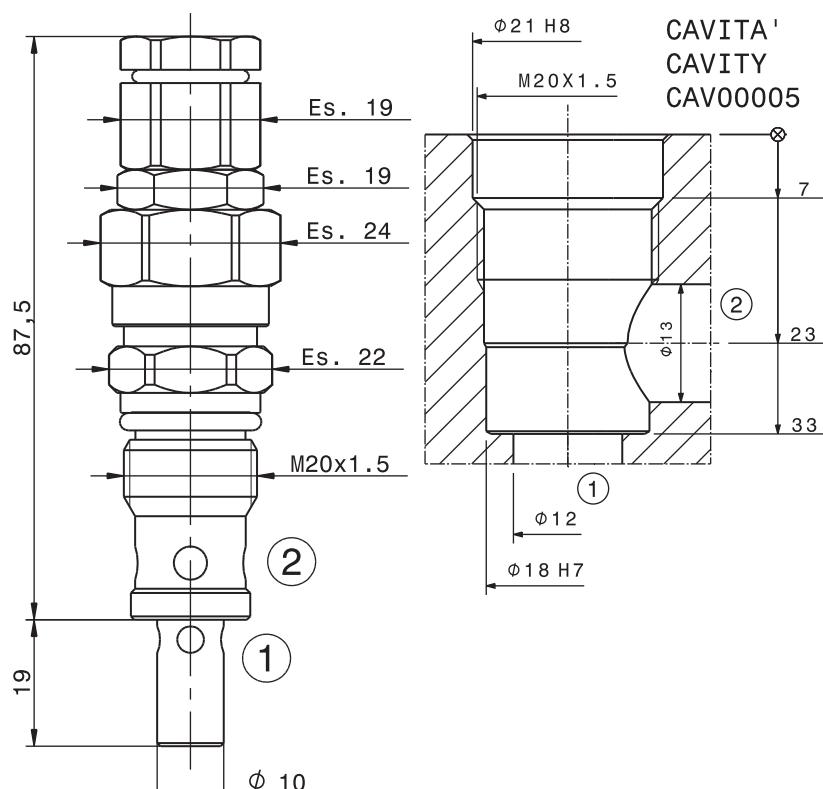
Pressure compensated, direct acting relief valve – cartridge type

mod. VLP45-CC



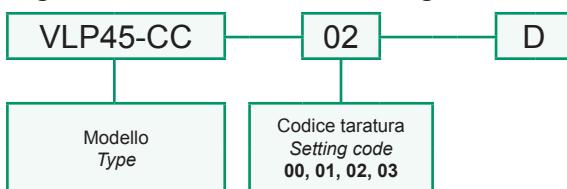
Portata massima Max flow	45 l/min 12 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	45 ÷ 50 Nm 34 ÷ 38 lbft

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



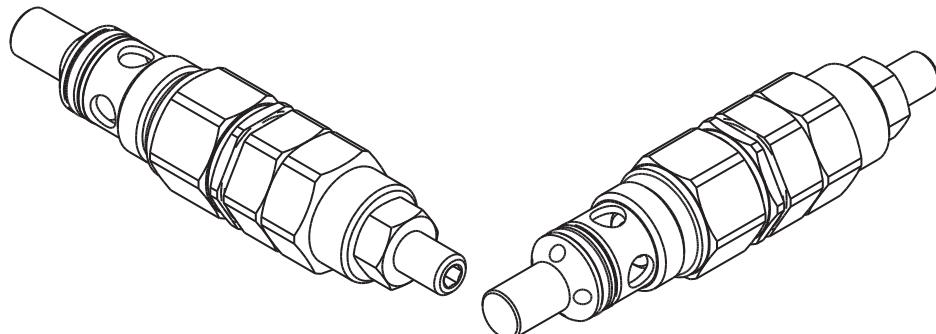
Taratura Setting			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring colour
00	40 bar 580 psi	5÷40 bar 72.5÷580 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Bianco White
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	Giallo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

## Sigla di ordinazione / Ordering code


 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

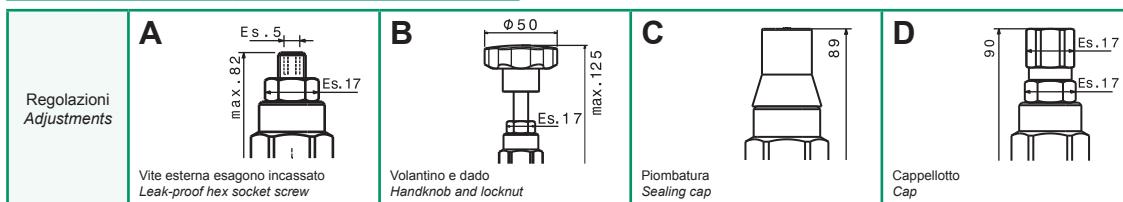
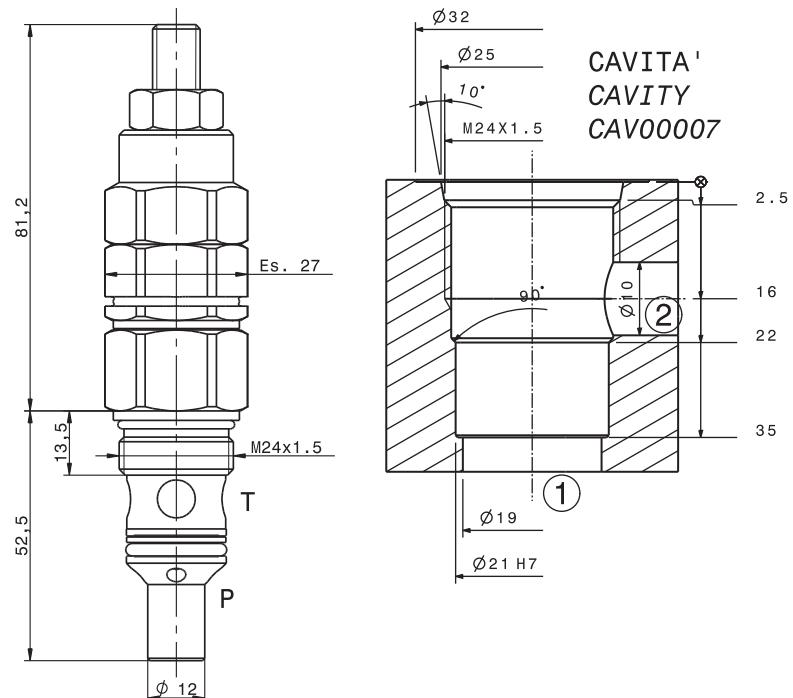


Portata massima <i>Max flow</i>	80 l/min 21 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	65 ÷ 70 Nm 49 ÷ 52 lb ft

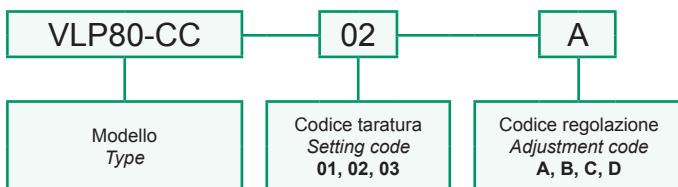
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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>
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



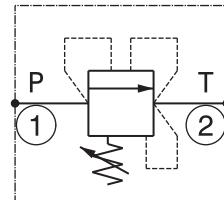
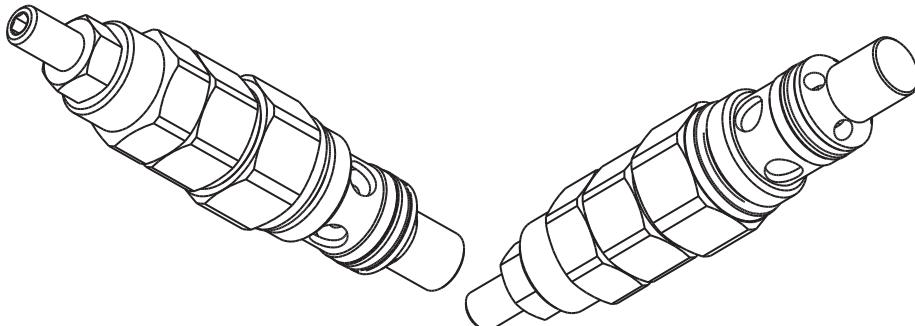
Sigla di ordinazione / Ordering code



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**

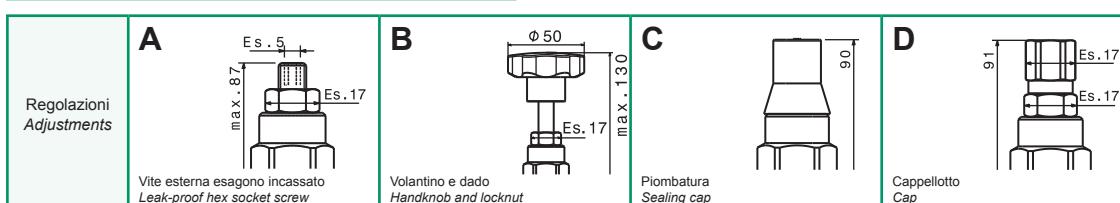
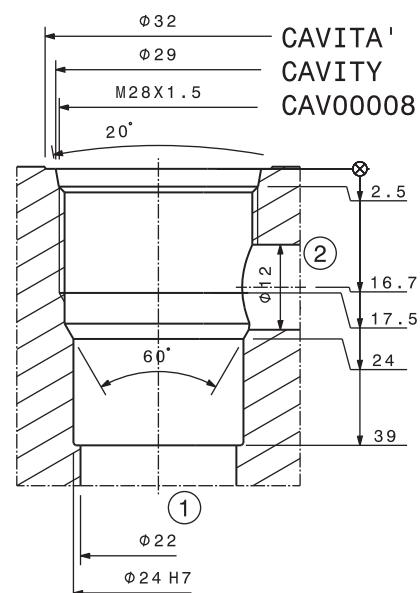
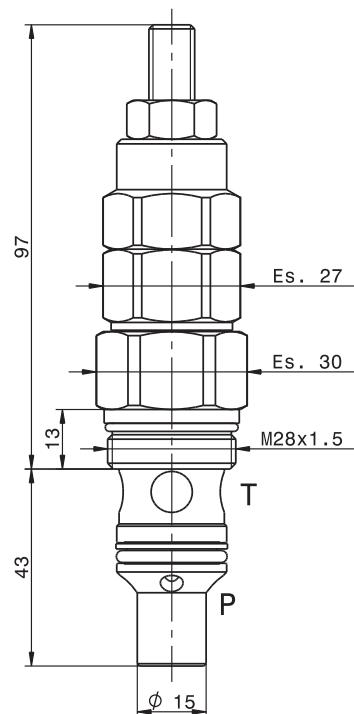


Portata massima <i>Max flow</i>	130 l/min 34 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	80 ÷ 100 Nm 60 ÷ 75 lb ft

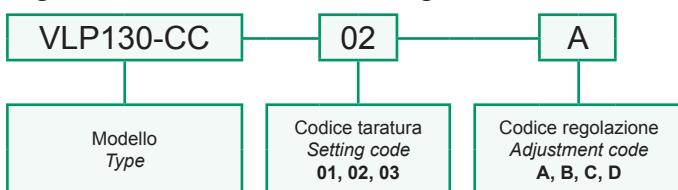
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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

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



### Sigla di ordinazione / Ordering code

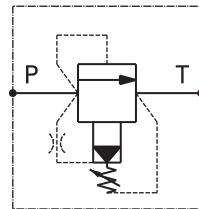
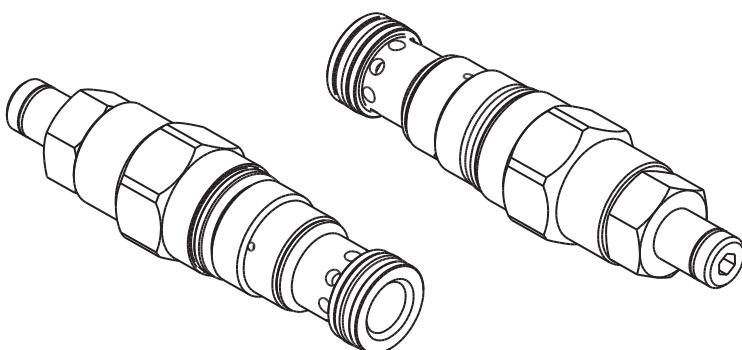


For flow diagram see  
*PRESSURE DROP RELIEF VALVE (11)*

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

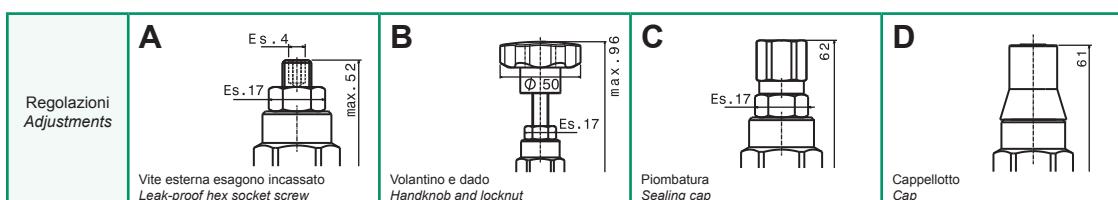
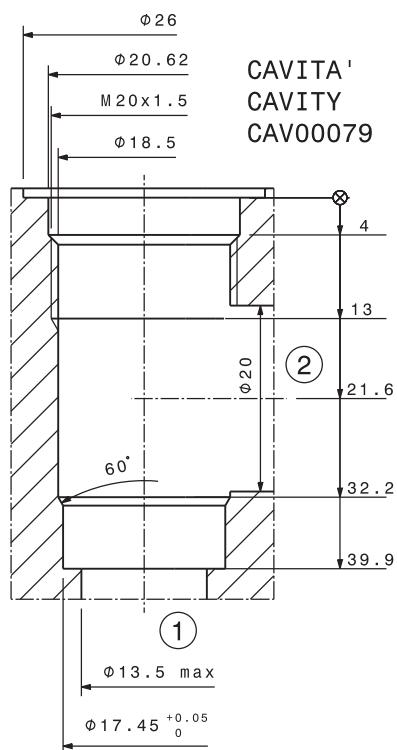
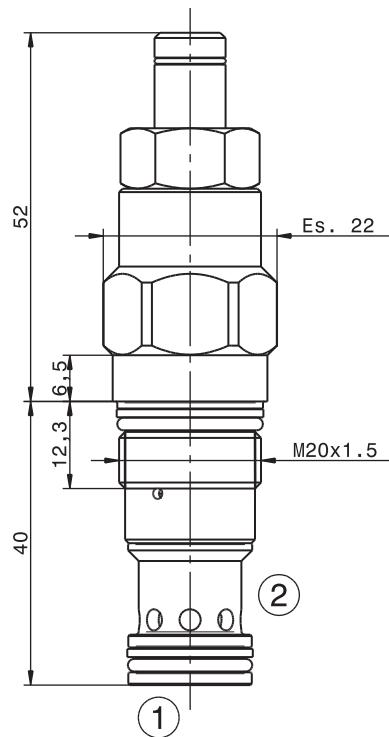


Portata massima Max flow	90 l/min 24 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	40 ÷ 45 Nm 30 ÷ 34 lbf ft

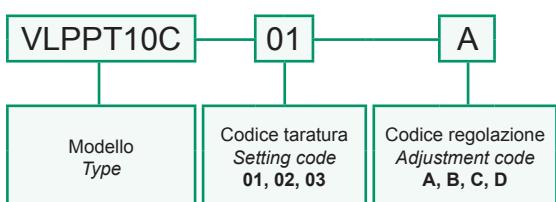
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
 Performances and calibrations are carried out by using hydraulic oil with  
 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
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	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



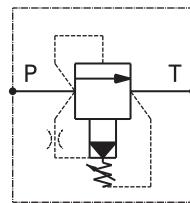
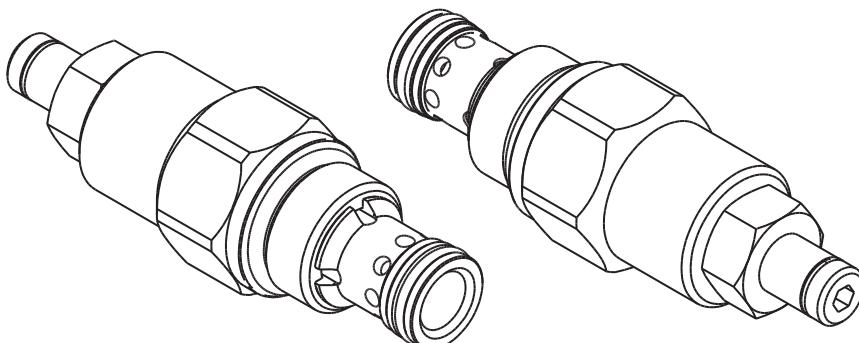
## Sigla di ordinazione / Ordering code



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

mod. VLPP-10-C

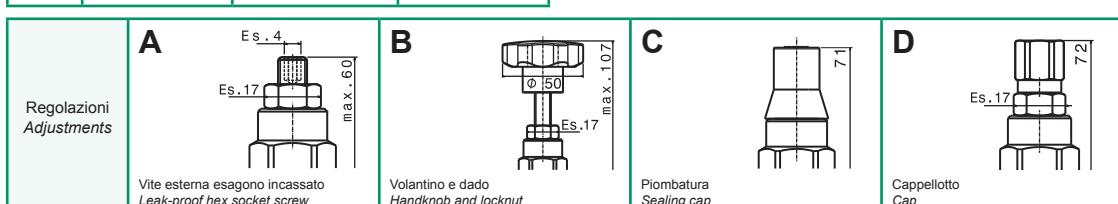
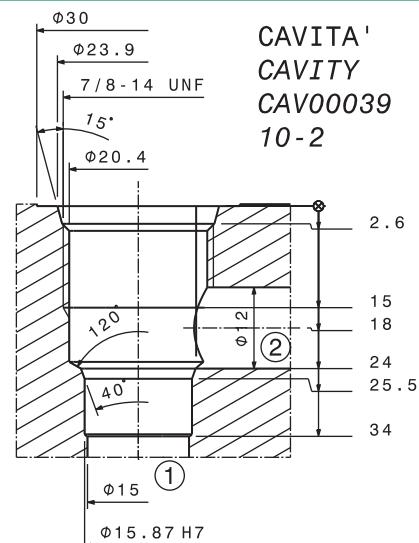
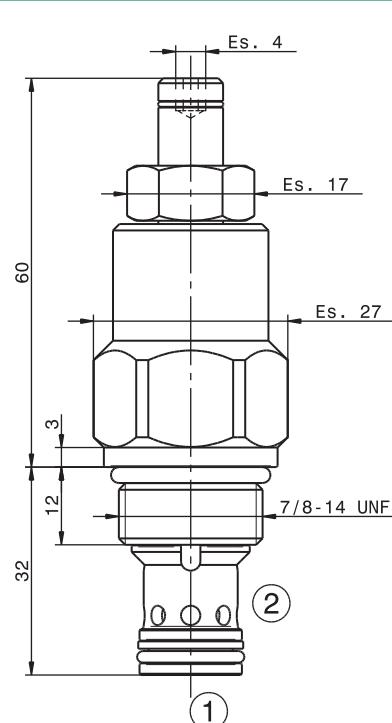


Portata massima Max flow	100 l/min 26 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	45 ÷ 50 Nm 33 ÷ 37 lbf ft

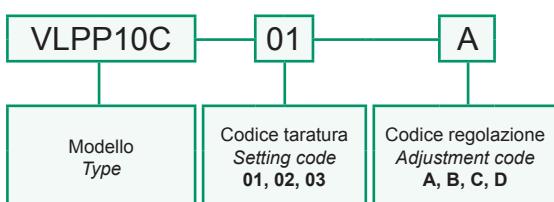
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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	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



Sigla di ordinazione / Ordering code

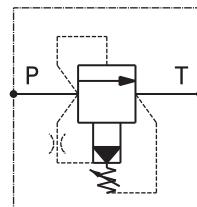
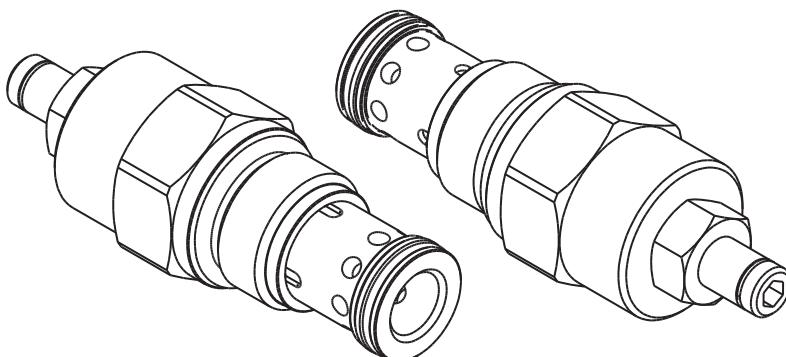


For flow diagram see  
*PRESSURE DROP RELIEF VALVE (15)*

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

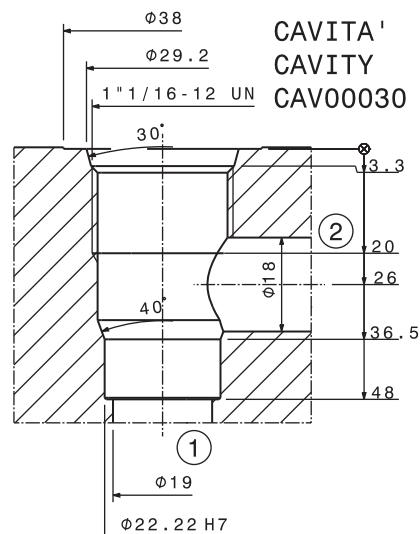
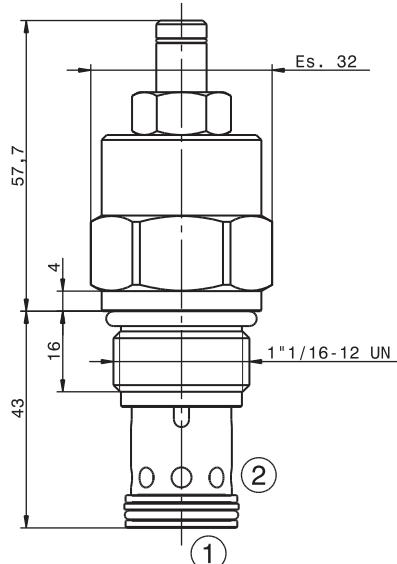


Portata massima Max flow	170 l/min 45 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	80 ÷ 100 Nm 60 ÷ 75 lbf ft

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 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 <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 Adjustments	<b>A</b>  Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	<b>B</b>  Volantino e dado <i>Handknob and locknut</i>	<b>C</b>  Piombatura <i>Sealing cap</i>	<b>D</b>  Cappellotto <i>Cap</i>
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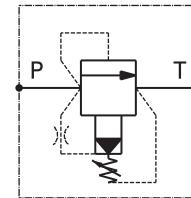
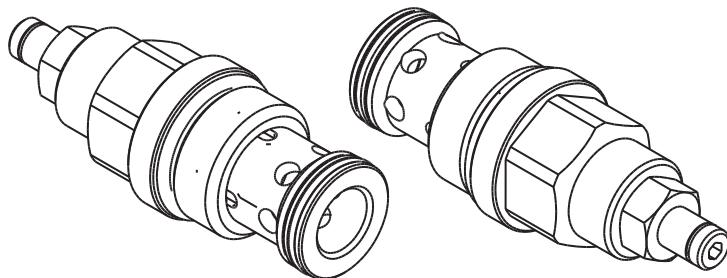
VLPP12C	01	A
Modello Type	Codice taratura Setting code 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

For flow diagram see  
*PRESSURE DROP RELIEF VALVE (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

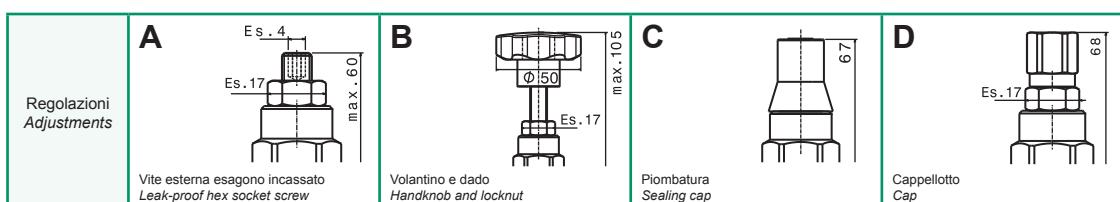
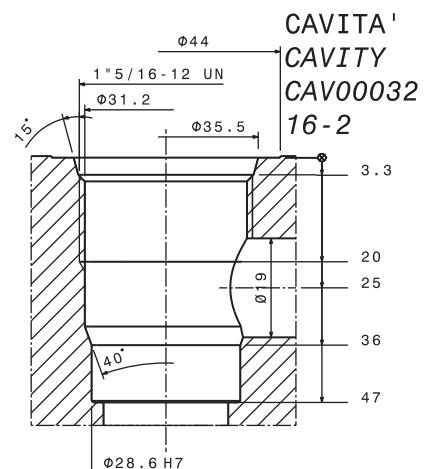
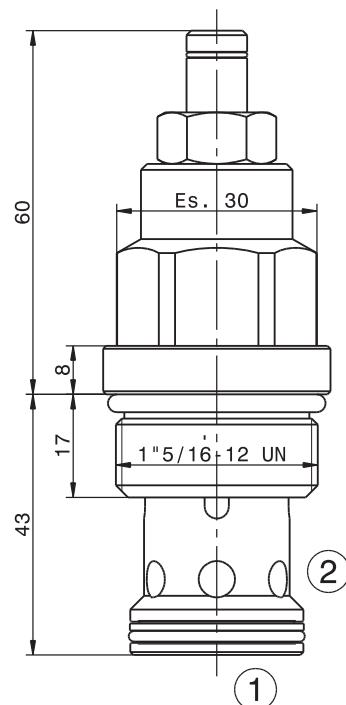


Portata massima Max flow	200 l/min 53 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	180 ÷ 210 Nm 130 ÷ 150 lbf ft

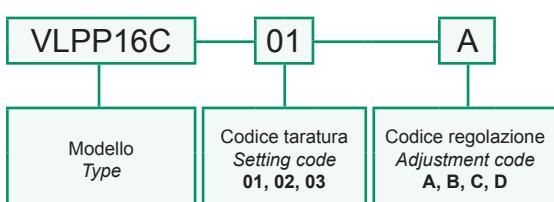
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

Viscosità consigliate 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	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



Sigla di ordinazione / Ordering code

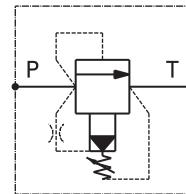
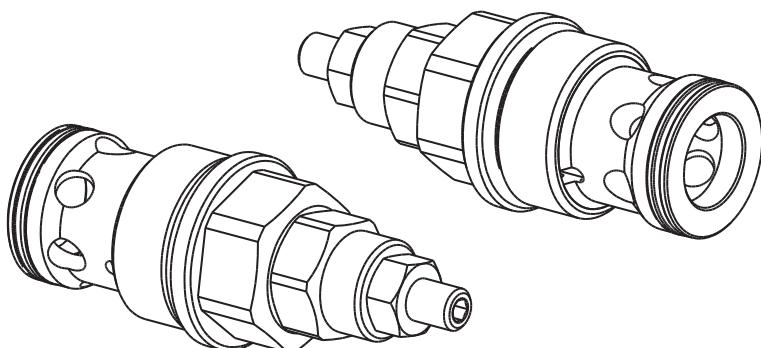


For flow diagram see  
*PRESSURE DROP RELIEF VALVE (17)*

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

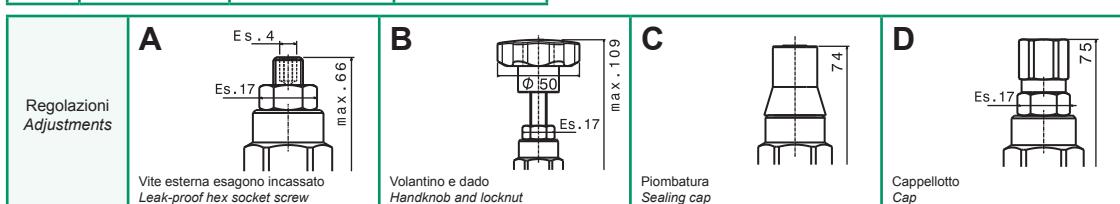
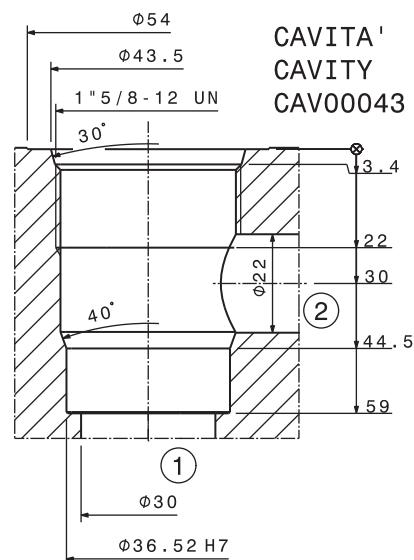
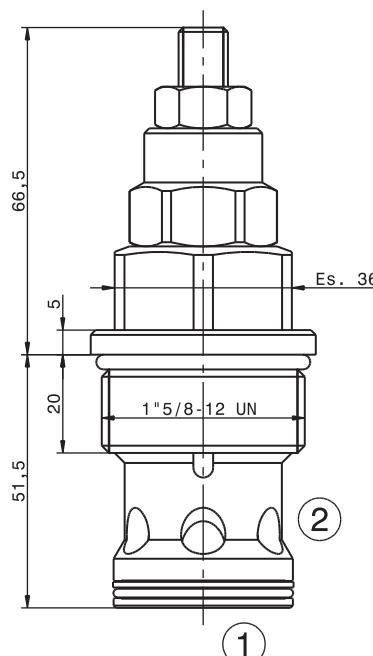


Portata massima Max flow	400 l/min 100 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	230 ÷ 250 Nm 170 ÷ 190 lbf ft

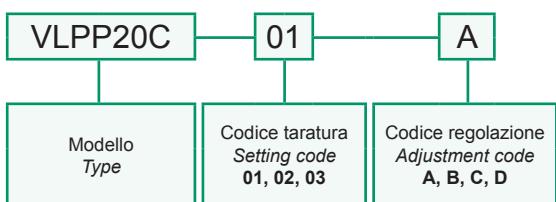
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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



Sigla di ordinazione / Ordering code

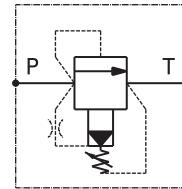
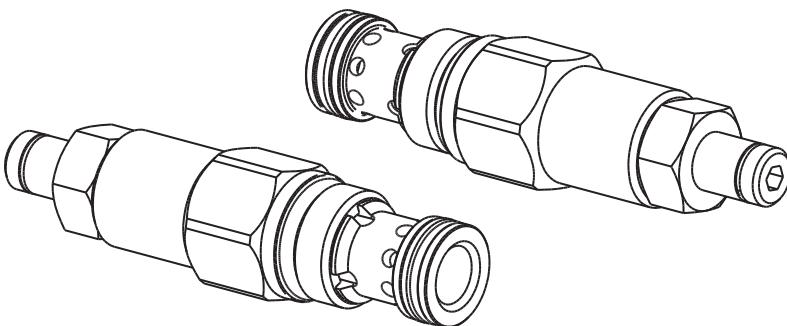


For flow diagram see  
*PRESSURE DROP RELIEF VALVE (18)*

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

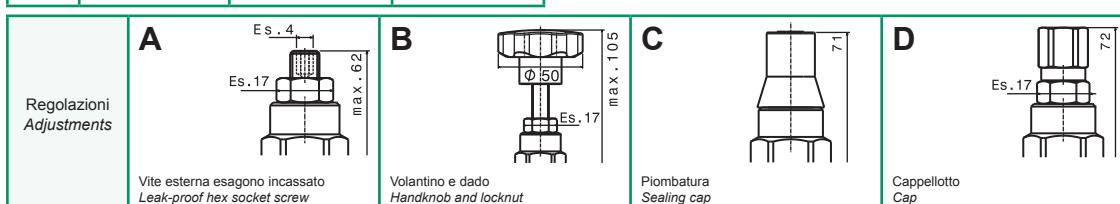
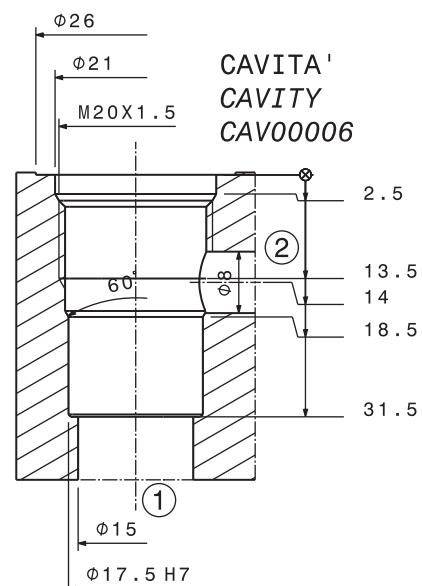
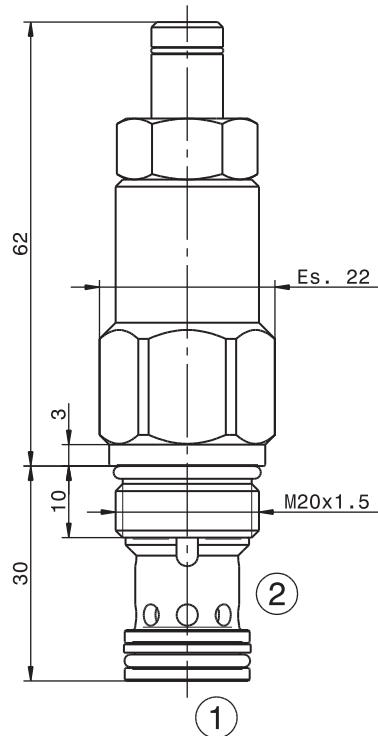


Portata massima Max flow	90 l/min 24 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	40 ÷ 45 Nm 30 ÷ 34 lbf ft

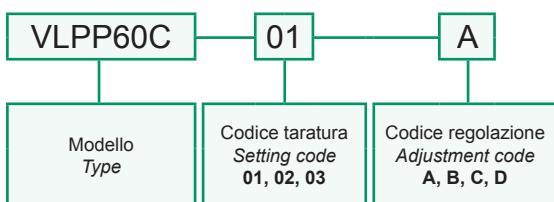
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
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 <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÷5075 psi</i>	42.6 bar <i>618 psi</i>



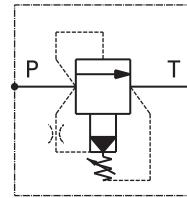
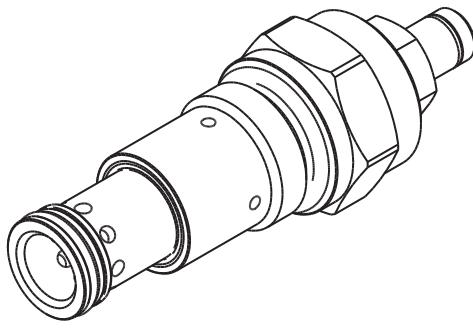
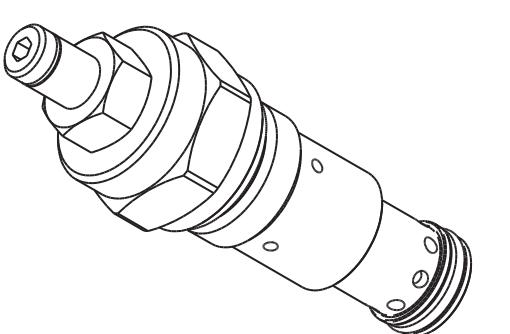
Sigla di ordinazione / Ordering code



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.*

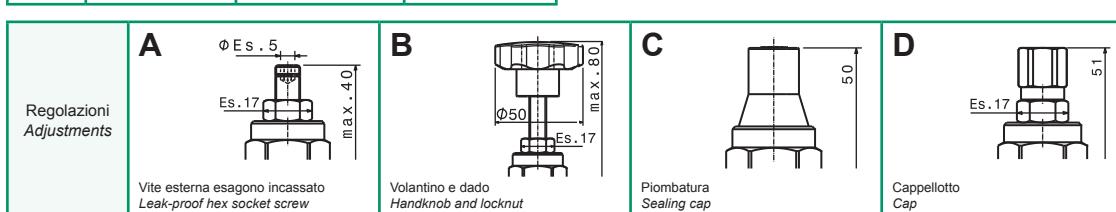
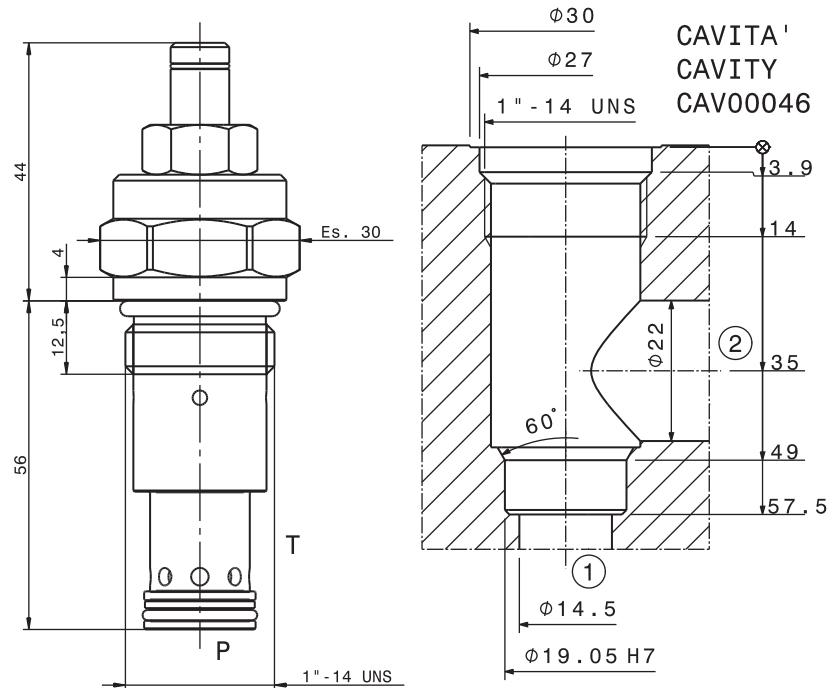
Valvola limitatrice di pressione pilotata a cartuccia  
*Pilot operated relief valve – cartridge type*  
**mod. VLPP150-C**



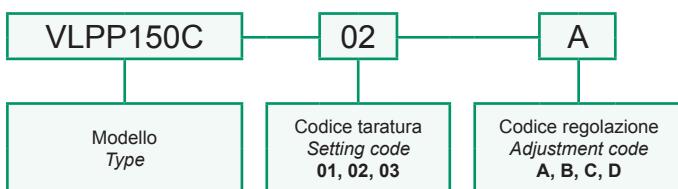
Portata massima <i>Max flow</i>	150 l/min 40 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	120 ÷ 130 Nm 90 ÷ 97 lb ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C <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>
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



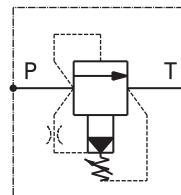
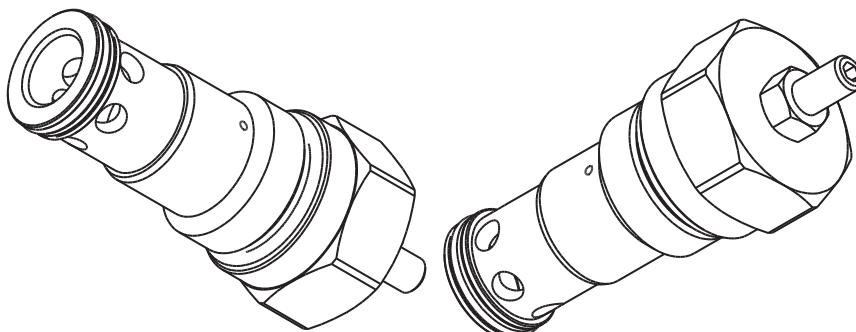
Sigla di ordinazione / Ordering code



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

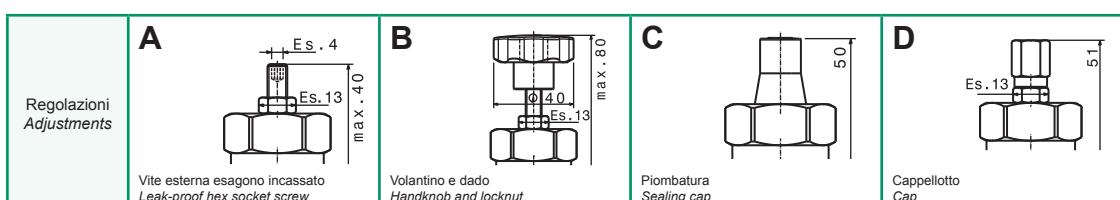
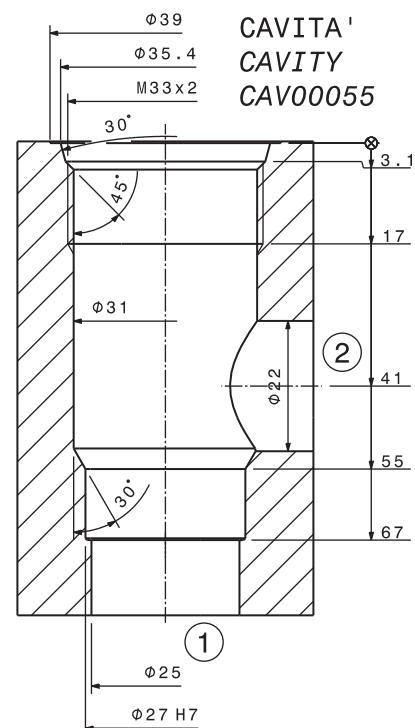
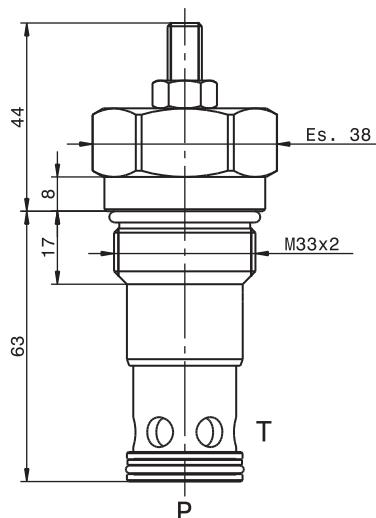


Portata massima <i>Max flow</i>	200 l/min 53 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	180 ÷ 200 Nm 135 ÷ 150 lb ft

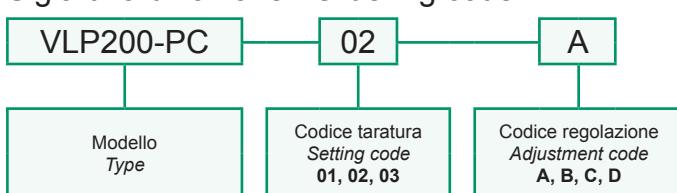
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
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



Sigla di ordinazione / Ordering code



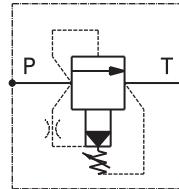
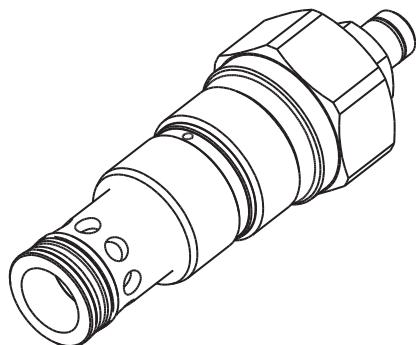
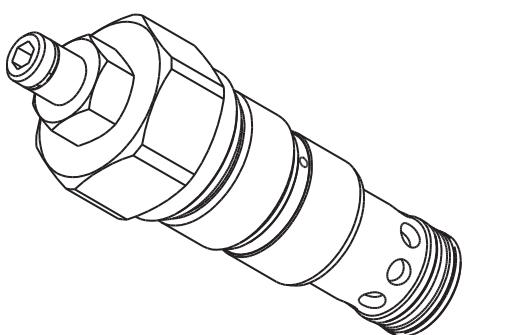
For flow diagram see  
*PRESSURE DROP RELIEF VALVE (19)*

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

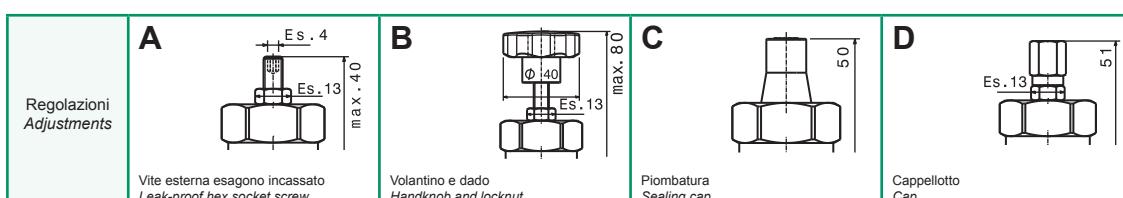
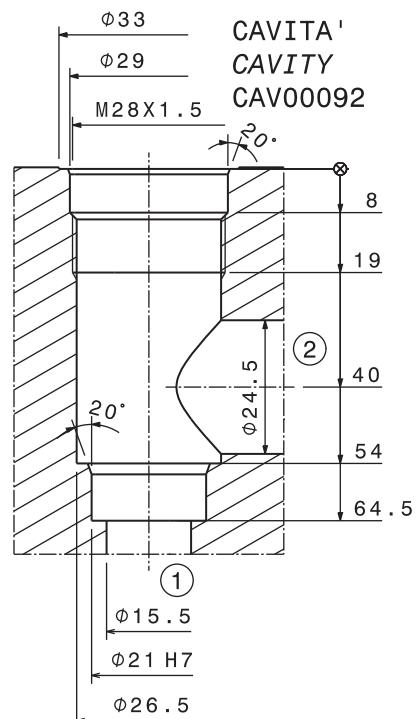
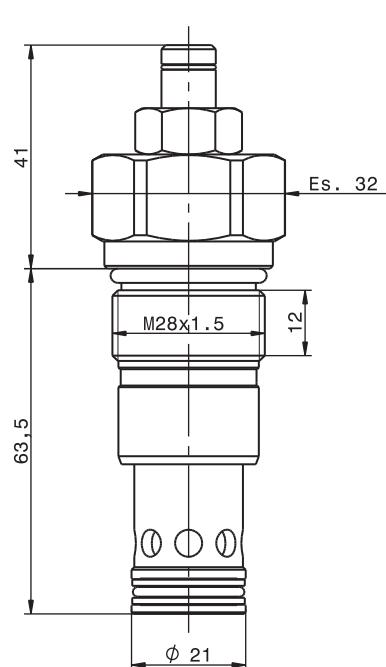


Portata massima Max flow	200 l/min 53 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	120 ÷ 140 Nm 95 ÷ 105 lb ft

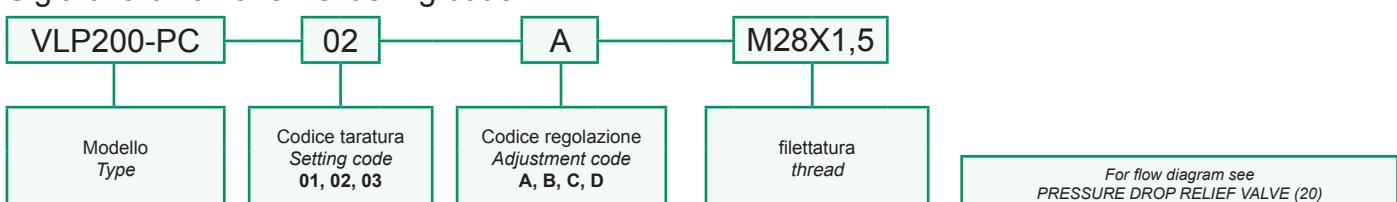
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

Viscosità consigliate 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	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

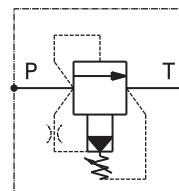
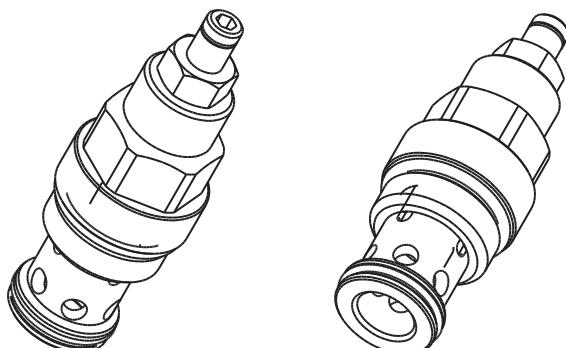


Sigla di ordinazione / Ordering code



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

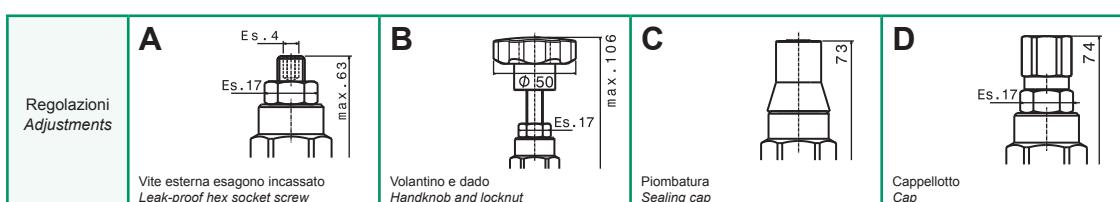
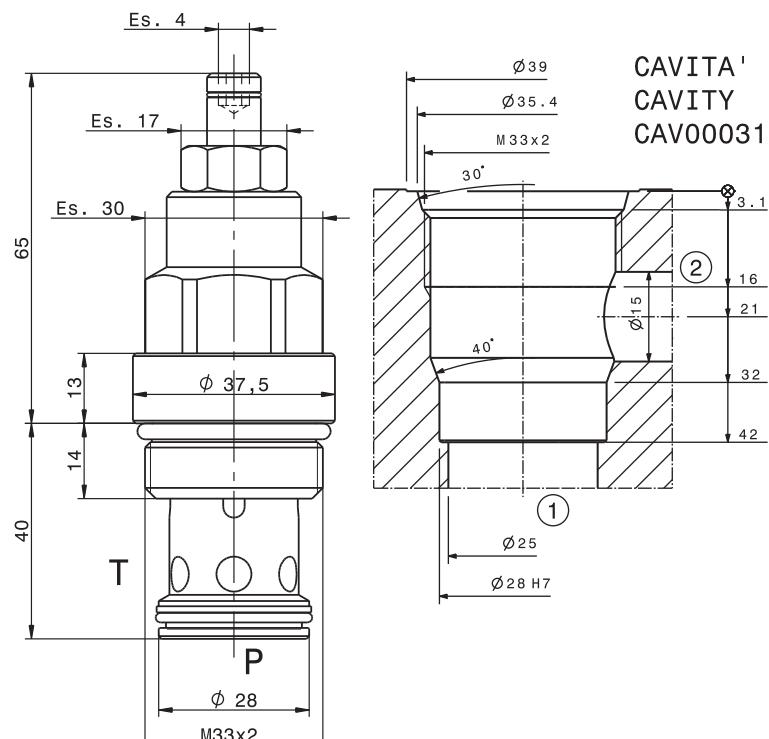


Portata massima <i>Max flow</i>	250 l/min 65 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	160 ÷ 180 Nm 120 ÷ 135 lb ft

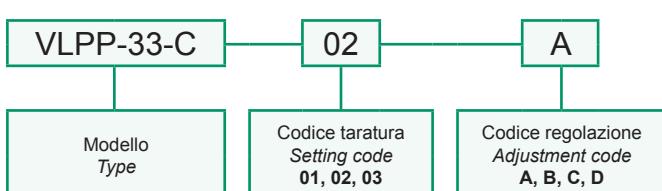
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
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



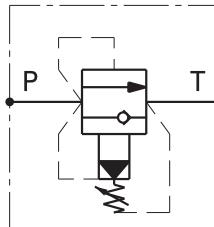
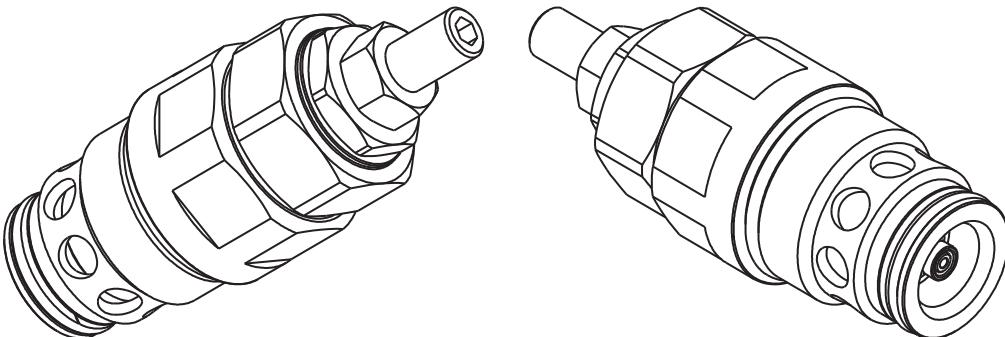
Sigla di ordinazione / Ordering code



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

mod. VLPPC-28-C

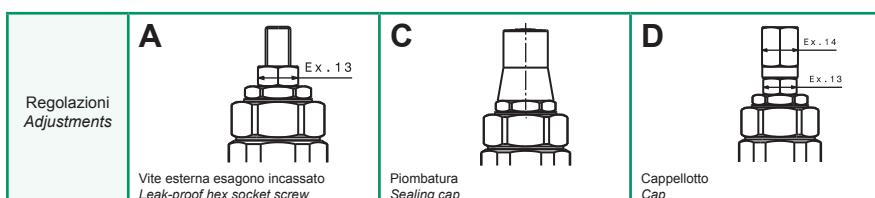
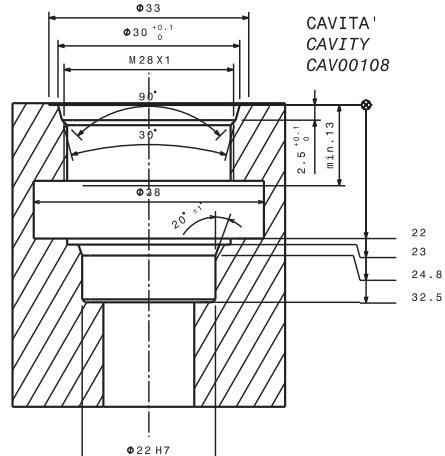
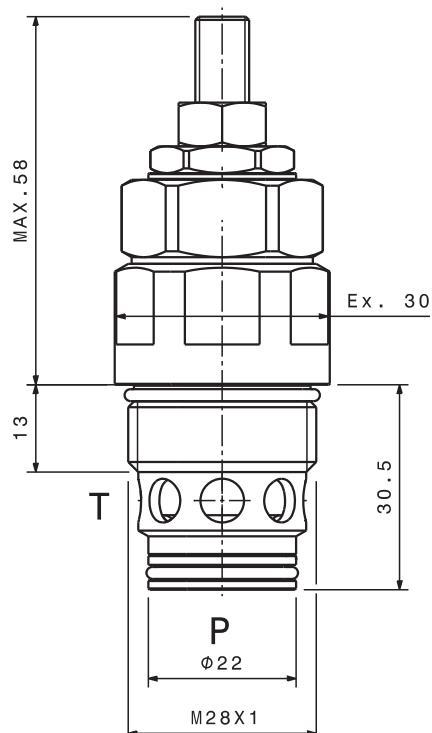


Portata massima <i>Max flow</i>	200 l/min 53 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	120 ÷ 140 Nm 95 ÷ 105 lb ft

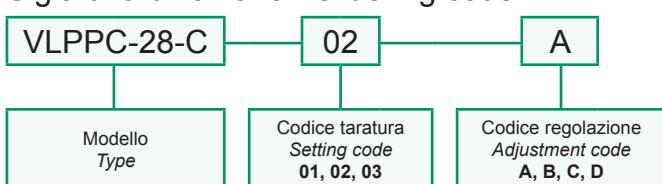
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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



### Sigla di ordinazione / Ordering code

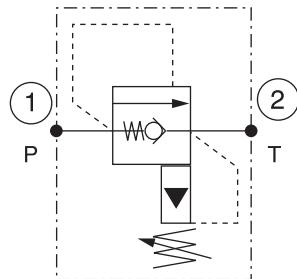
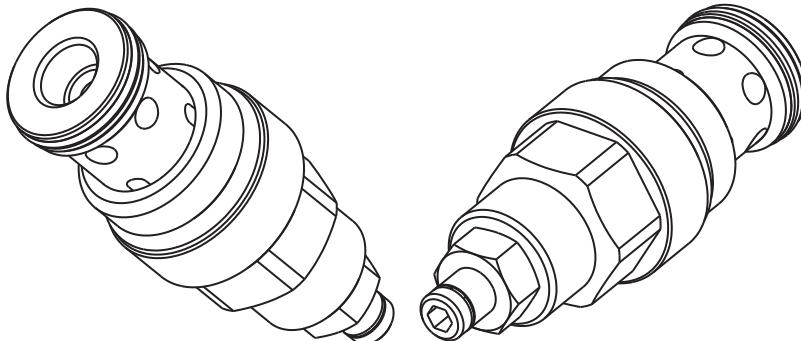


I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.  
*The specifications are not binding, CBF reserves the right to introduce modifications without notice.*

Valvola limitatrice di pressione pilotata con valvola di non ritorno, a cartuccia

Pilot operated relief valve with reverse flow – cartridge type

mod. VLPPC-33-C

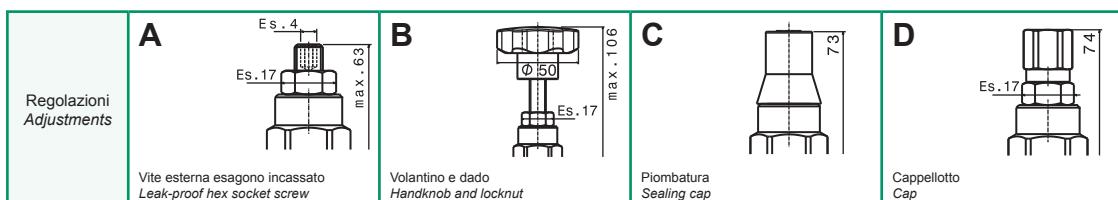
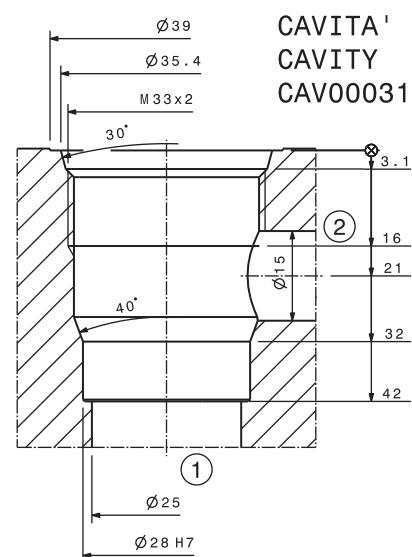
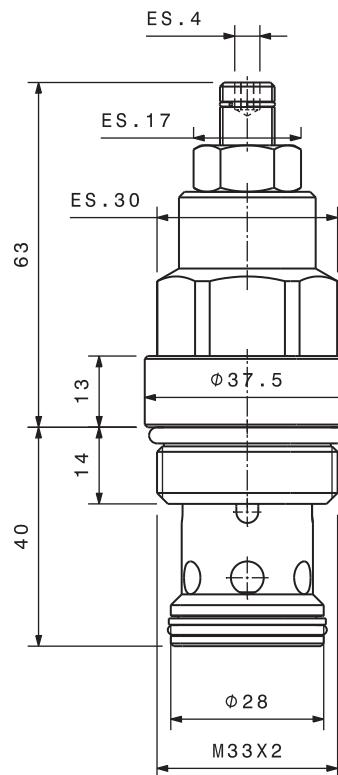


Portata massima Max flow	150 l/min 40 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	160 ÷ 180 Nm 120 ÷ 135 lb ft

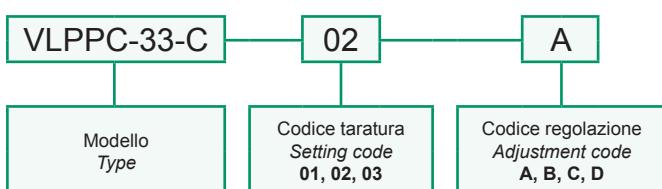
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

Viscosità consigliate 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	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



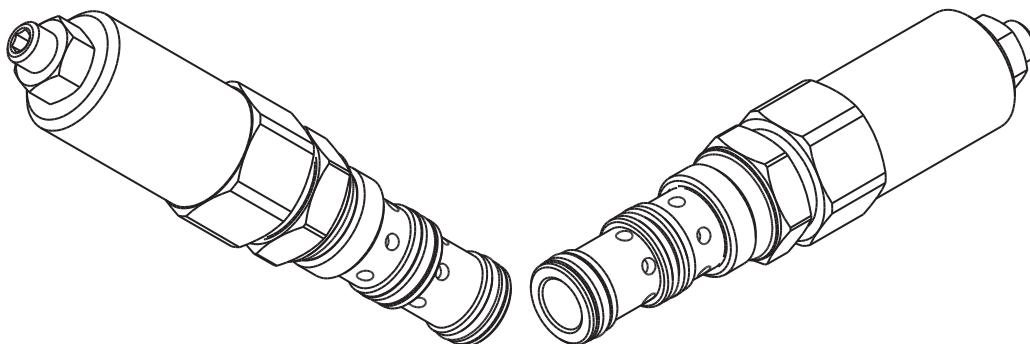
Sigla di ordinazione / Ordering code



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*

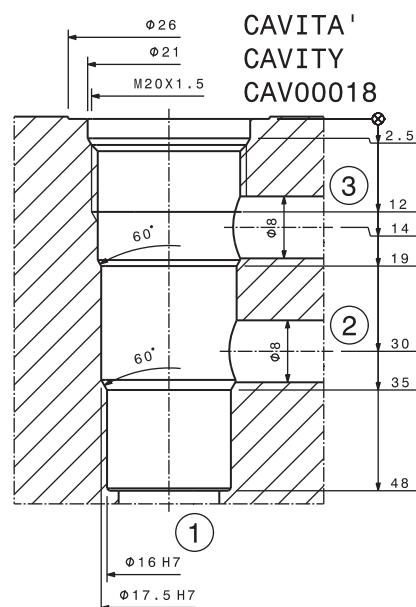
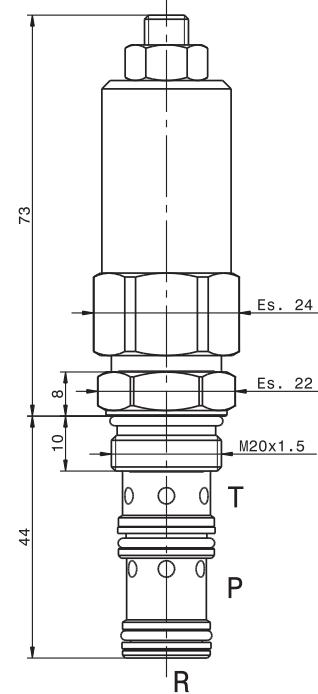
mod. RP25-C



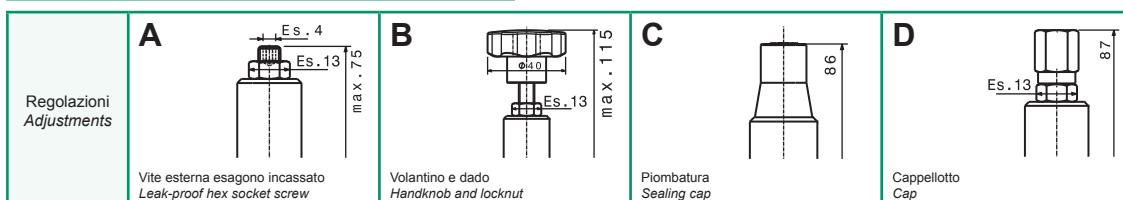
Portata massima Max flow	25 l/min 6.6 gpm
Pressione massima in entrata Max inlet pressure	300 bar 4300 psi
Pressione massima regolata Max regulated pressure	130 bar 1900 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 22.5 lb ft

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

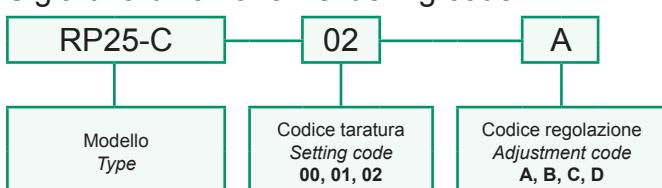
Taratura Setting			
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range	Colore molla Spring colour
00*	20 bar 290 psi	5÷25 bar 72.5÷362 psi	Nero Black
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	Giallo Yellow
02	120 bar 1750 psi	40÷130 bar 580÷1900 psi	Nero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



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



Sigla di ordinazione / Ordering code

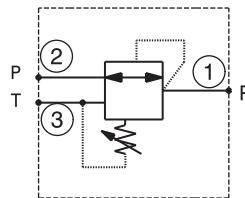
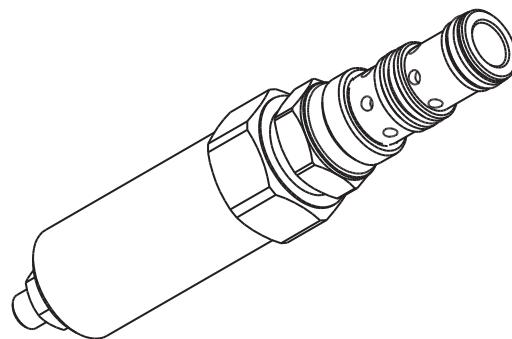
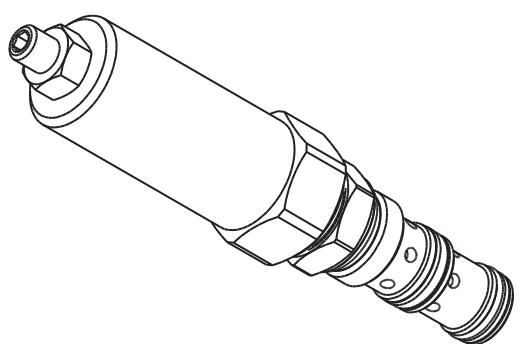


Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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

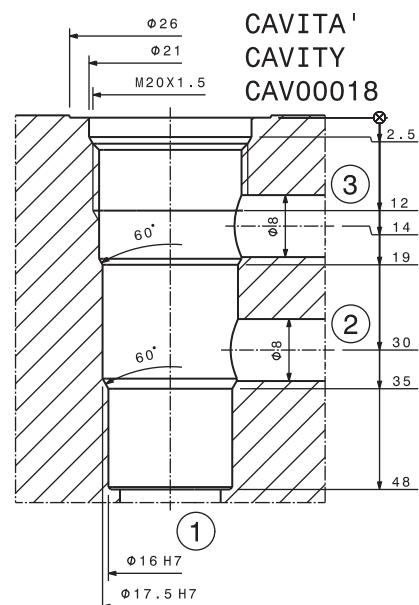
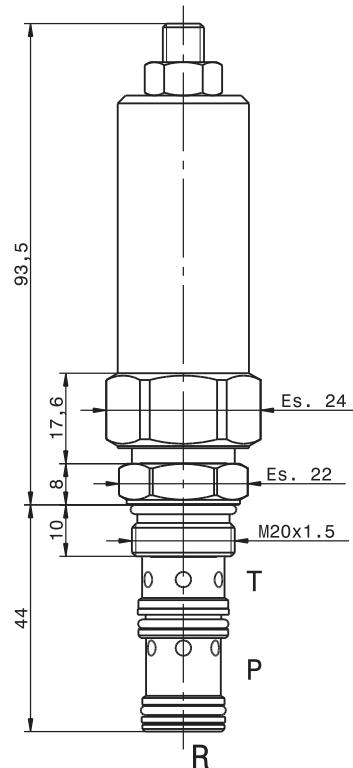
I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.  
*The specifications are not binding, CBF reserves the right to introduce modifications without notice.*

Valvola riduttrice di pressione diretta a cartuccia  
*Direct acting pressure reducing valve – cartridge type*  
 mod. RP25-C-03



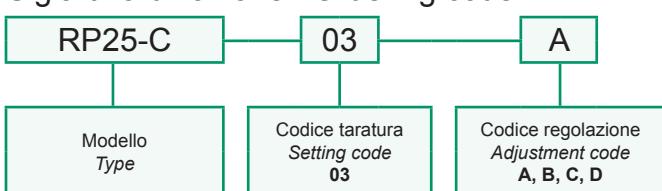
Portata massima <i>Max flow</i>	25 l/min 6.6 gpm
Pressione massima in entrata <i>Max inlet pressure</i>	300 bar 4300 psi
Pressione massima regolata <i>Max regulated pressure</i>	230 bar 3350 psi
Coppia di serraggio <i>Installation torque</i>	27 ÷ 30 Nm 20 ÷ 22.5 lb ft

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 3190 psi	100÷230 bar 1450÷3350 psi	Nero Black



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

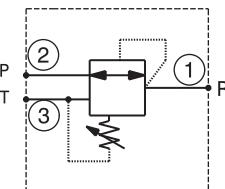
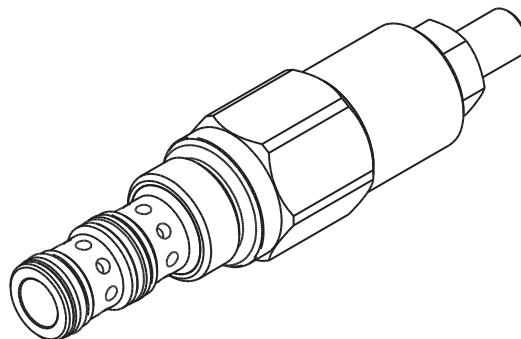
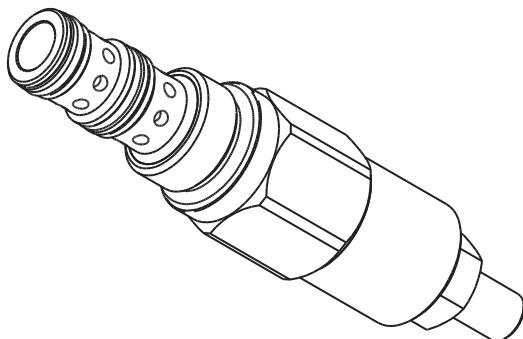


Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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.*

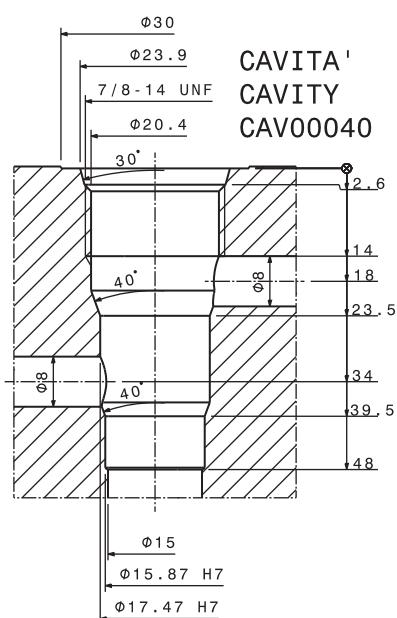
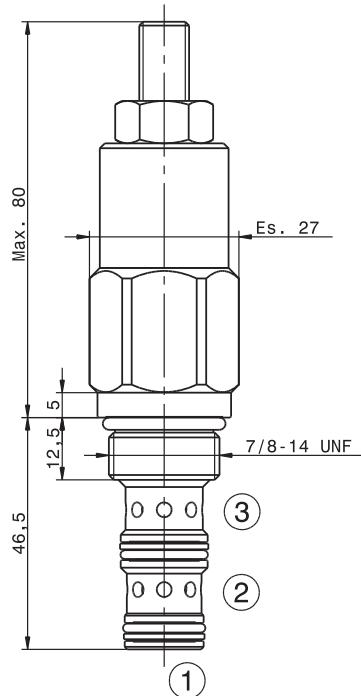
Valvola riduttrice di pressione diretta a cartuccia  
*Direct acting pressure reducing valve – cartridge type*  
 mod. RP10-C



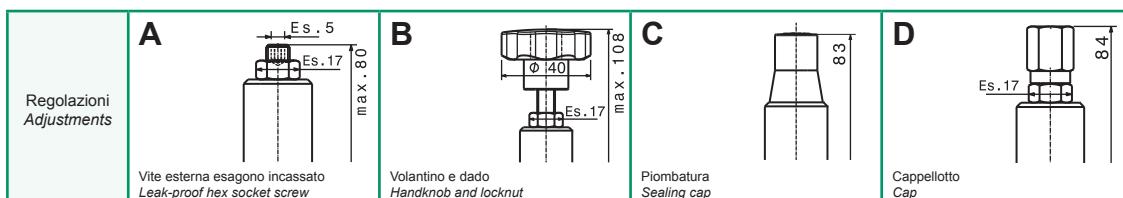
Portata massima <i>Max flow</i>	30 l/min 8 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	45 ÷ 50 Nm 33 ÷ 37 lbf ft

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*

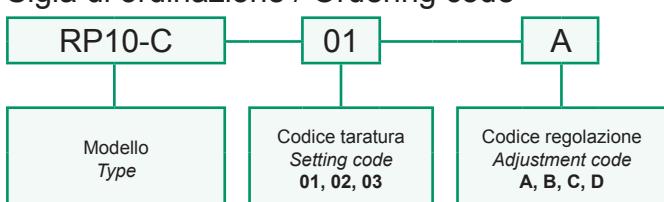
Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



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



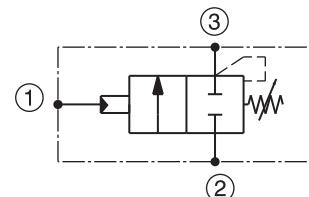
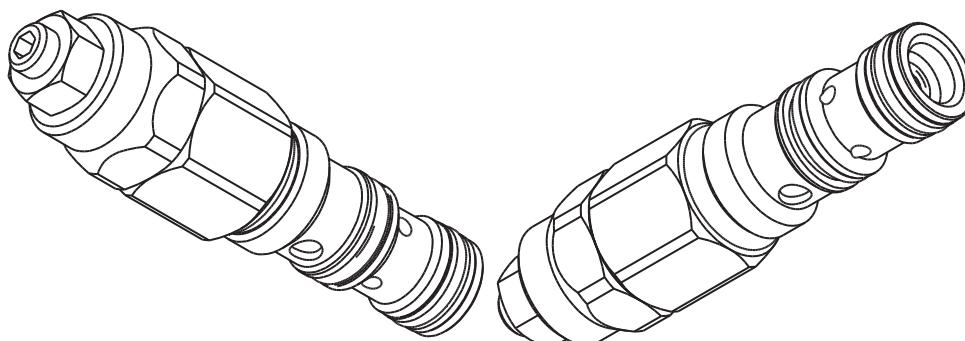
Sigla di ordinazione / Ordering code



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

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

mod. VP-C

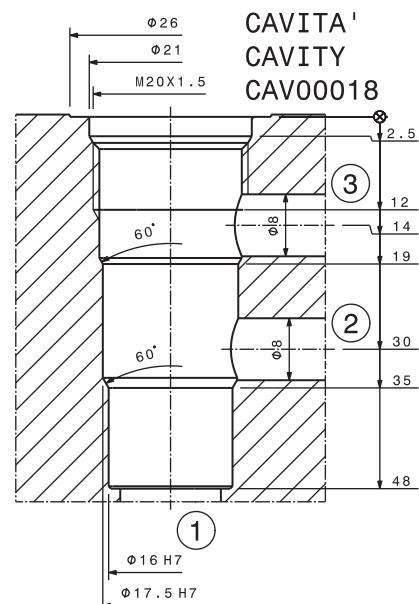
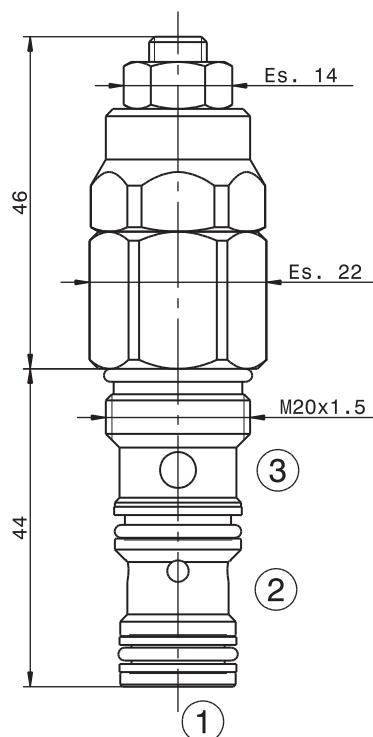


Portata massima Max flow	5 l/min 1.3 gpm
Pressione massima in entrata Max inlet pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 22.5 lb ft
Campo di taratura Setting range	10 ÷ 190 bar 145 psi ÷ 2750 psi
Taratura standard Standard setting	100 bar 1450 psi

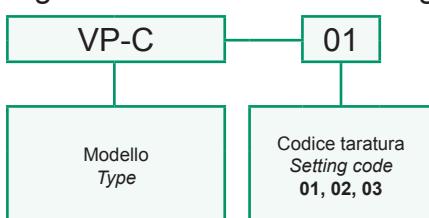
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
 Performances and calibrations are carried out by using hydraulic oil  
 with 30 cSt viscosity at 50°C

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

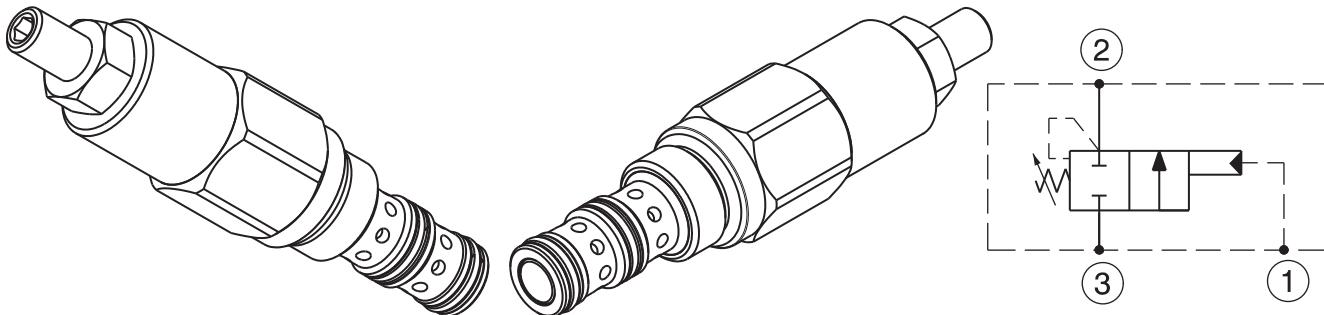


## Sigla di ordinazione / Ordering code



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

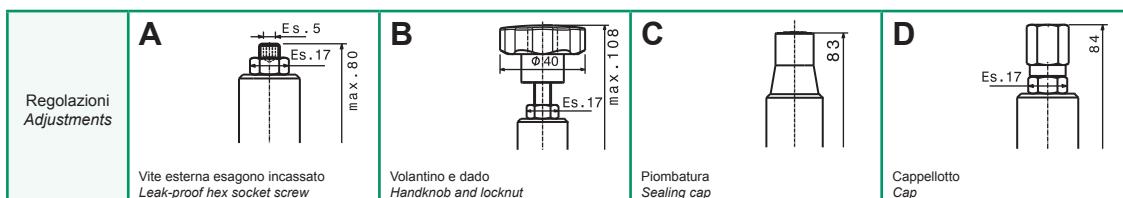
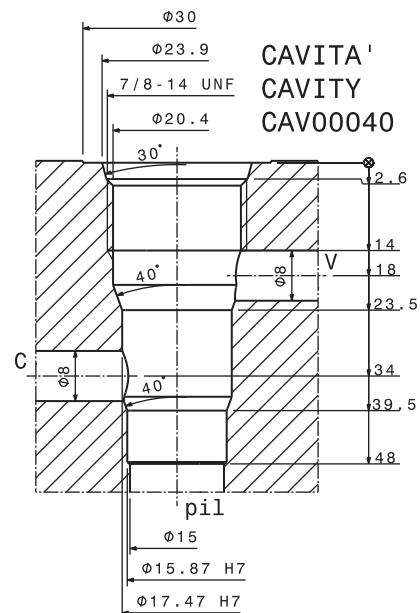
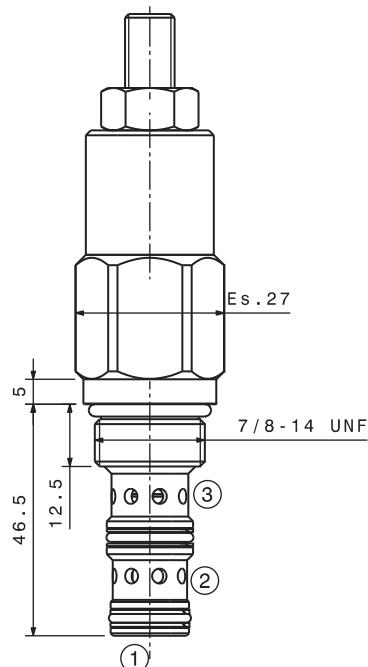


Portata massima Max flow	40 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	45 ÷ 50 Nm 33 ÷ 37 lbf ft

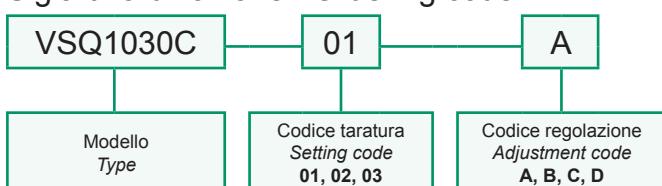
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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



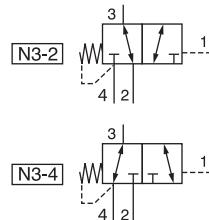
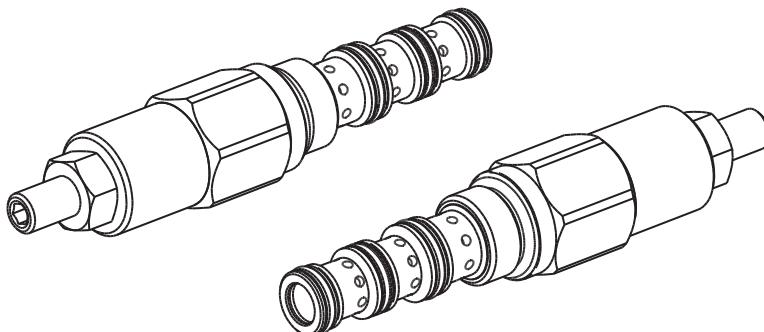
Sigla di ordinazione / Ordering code



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**

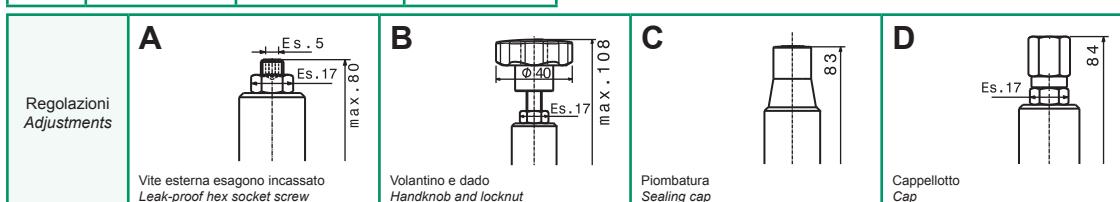
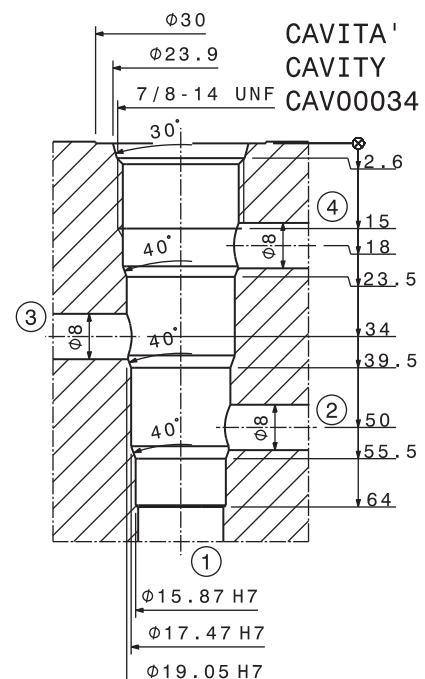
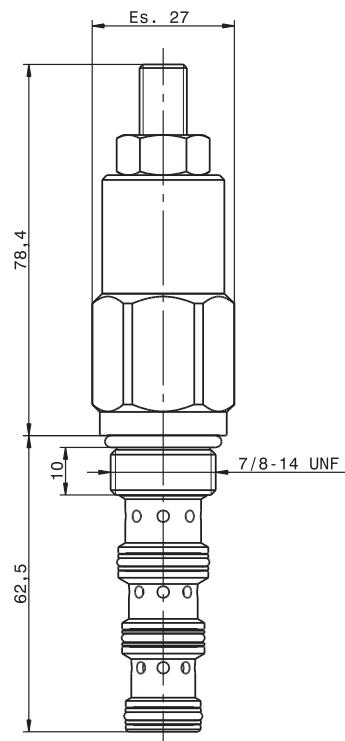


Portata massima Max flow	40 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	45 ÷ 50 Nm 33 ÷ 37 lbf ft

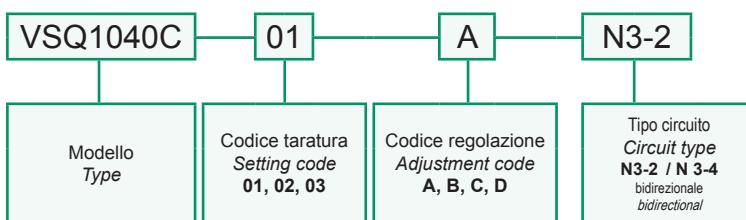
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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



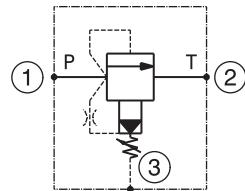
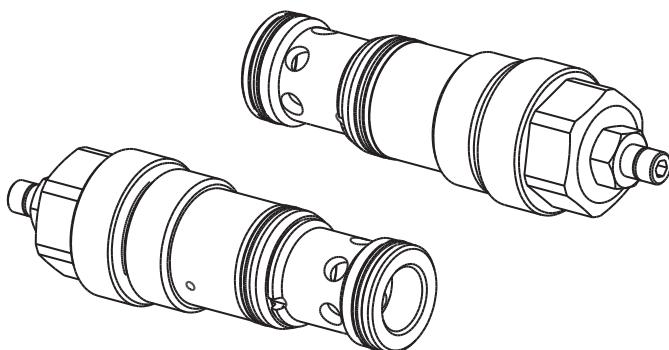
Sigla di ordinazione / Ordering code



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

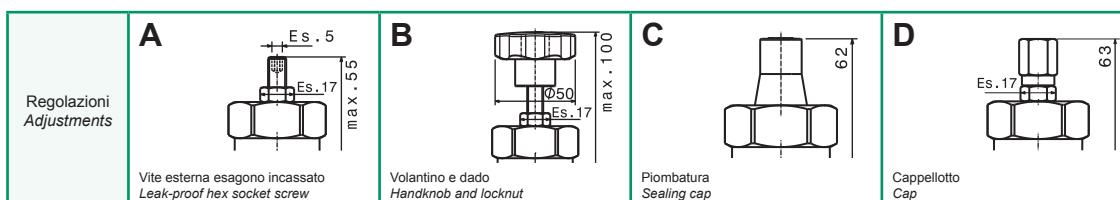
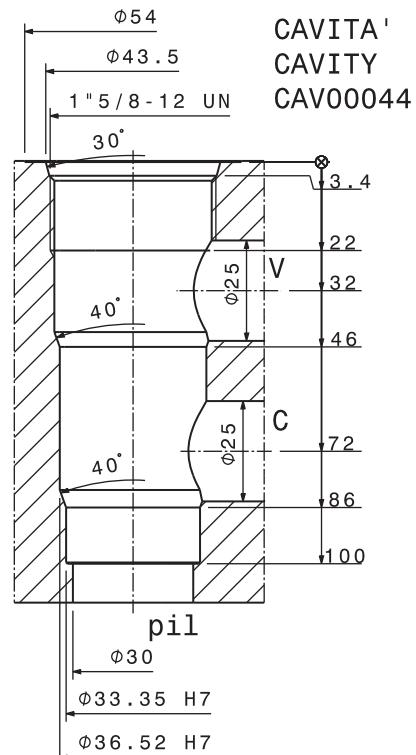
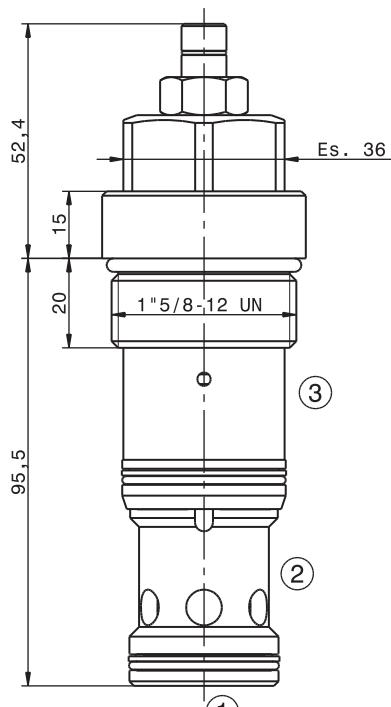


Portata massima Max flow	400 l/min 100 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	230 ÷ 250 Nm 170 ÷ 190 lbf ft

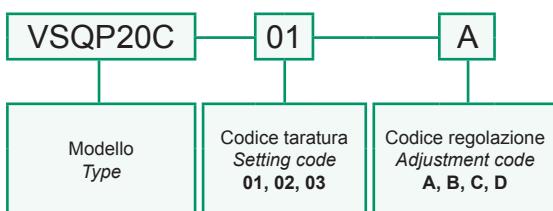
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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	Pressure 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



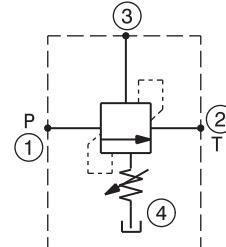
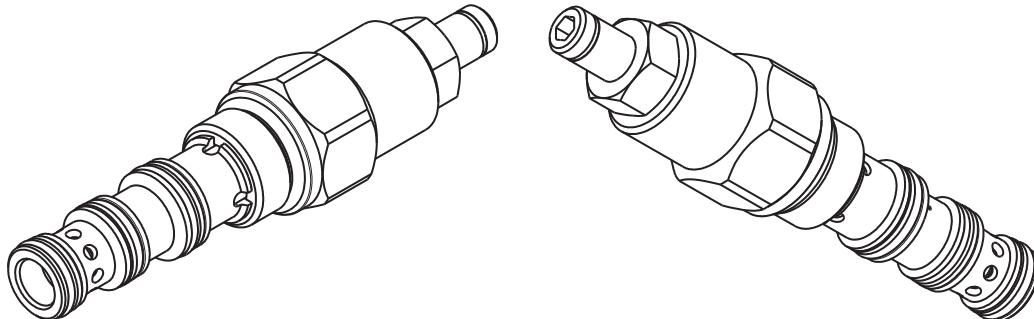
Sigla di ordinazione / Ordering code



For flow diagram see  
*PRESSURE DROP SEQUENCE VALVE (3)*

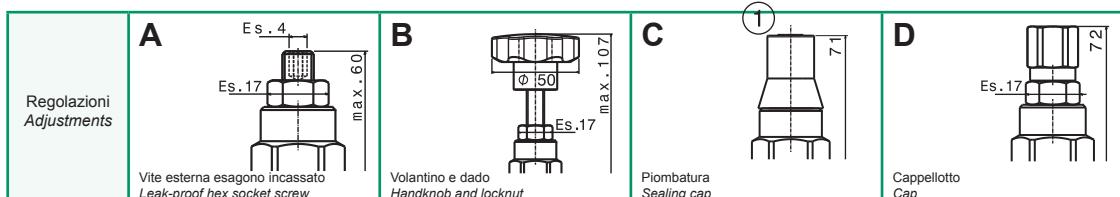
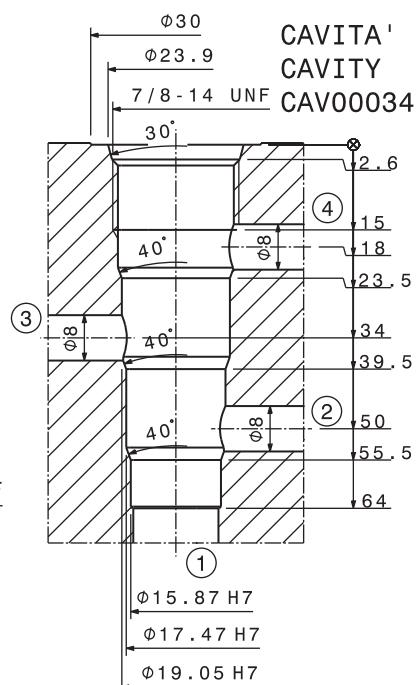
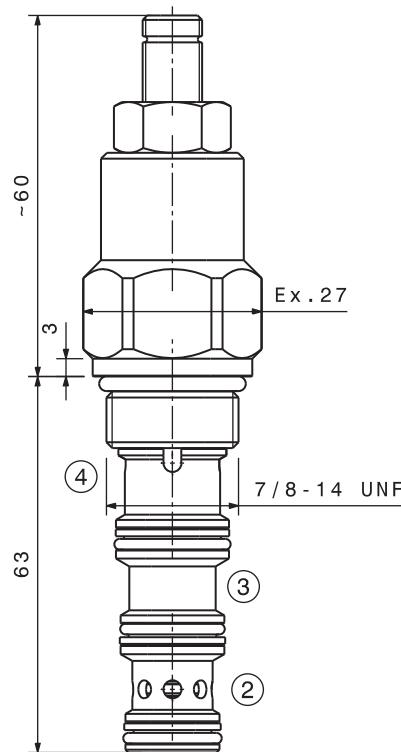
I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.  
*The specifications are not binding, CBF reserves the right to introduce modifications without notice.*

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

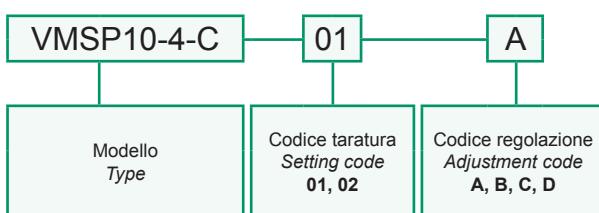


Portata massima Max flow	30 l/min 8 gpm
Pressione massima Max pressure	350 bar 5000 psi
Re-seat	85 +/- 4% of pressure setting
Coppia di serraggio Installation torque	35 +/- 40 Nm 26 +/- 30 lbf ft
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried 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



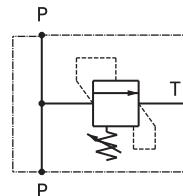
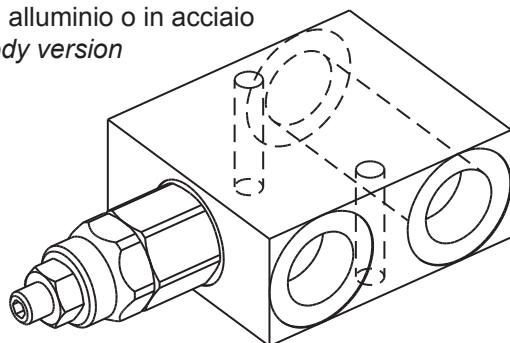
Sigla di ordinazione / Ordering code



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.

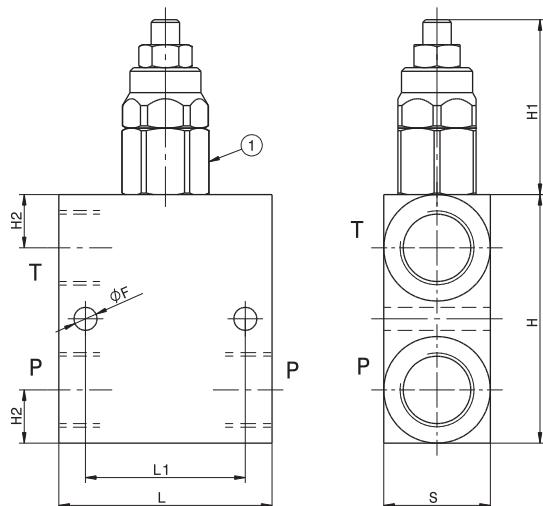
Valvola limitatrice di pressione  
 Relief valve  
 mod. VLP

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

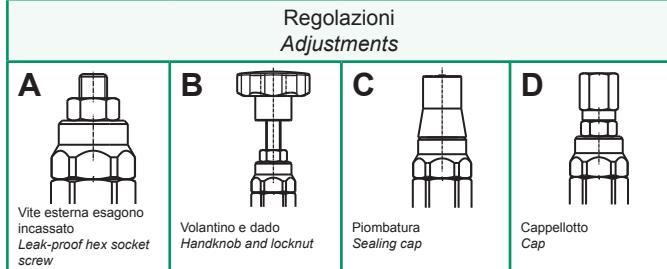


For flow diagram see performance of cartridge

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

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

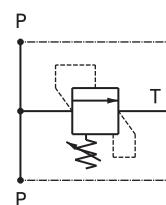
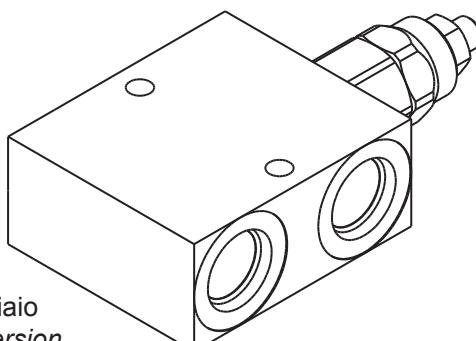


Sigla di ordinazione / Ordering code

VLP40-14	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

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.

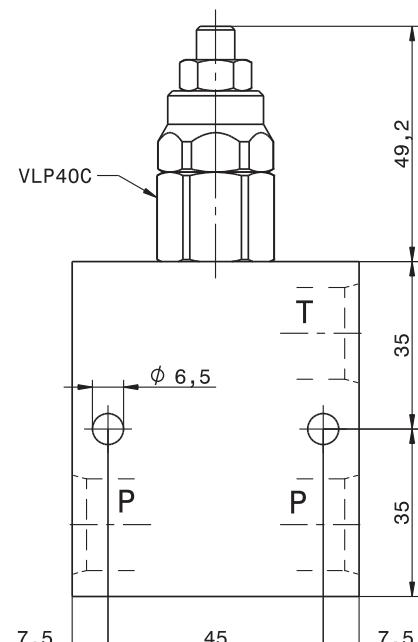
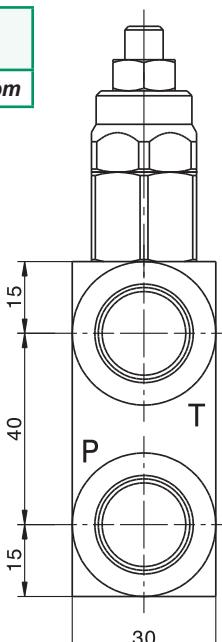
Valvola limitatrice di pressione  
*Relief valve*  
 mod. VLP40-08S



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	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

VLP40-08S	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

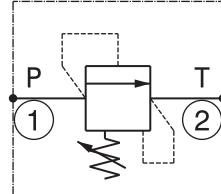
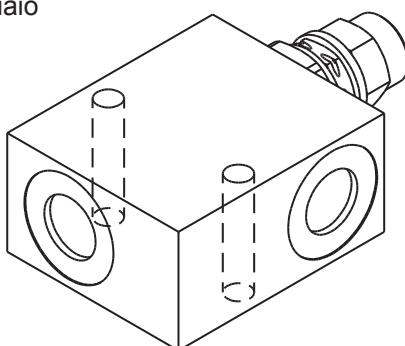
For flow diagram see performance of cartridge

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C <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

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*

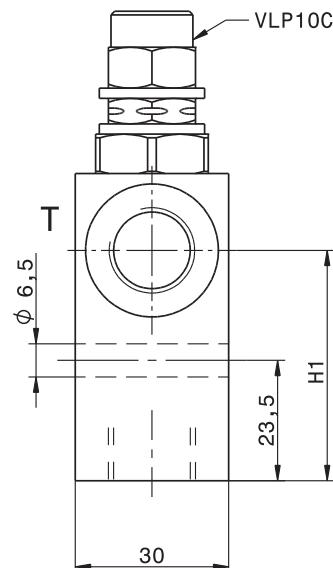
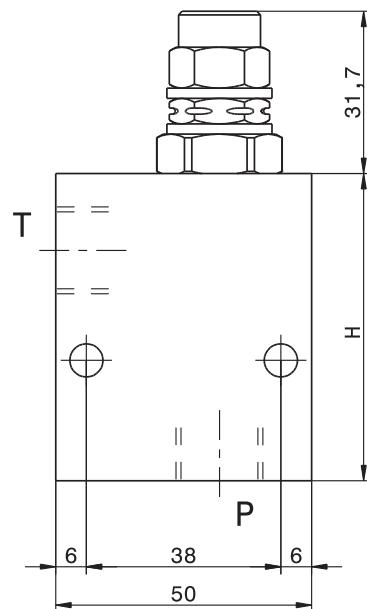


Modello Type	P, T	Pressione max. Max. pressure	Portata max Max. flow
VLP10-14	1/4" GAS	350 bar 5000 psi	10 l/min 2.7 gpm
VLP10-38	3/8" GAS	350 bar 5000 psi	10 l/min 2.7 gpm

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*

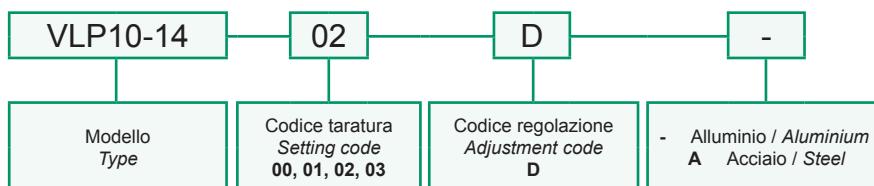
Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Taratura <i>Setting</i>			
Codice Code	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 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

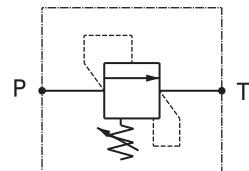
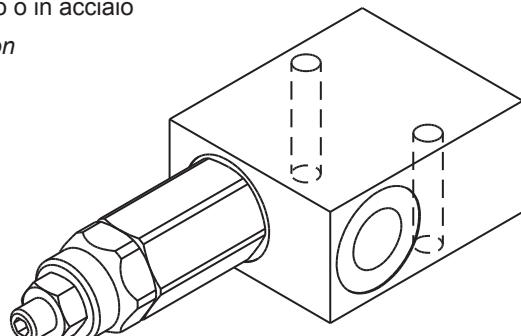


For flow diagram see performance of cartridge

I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.  
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Valvola limitatrice di pressione  
*Relief valve*  
 mod. VLP30

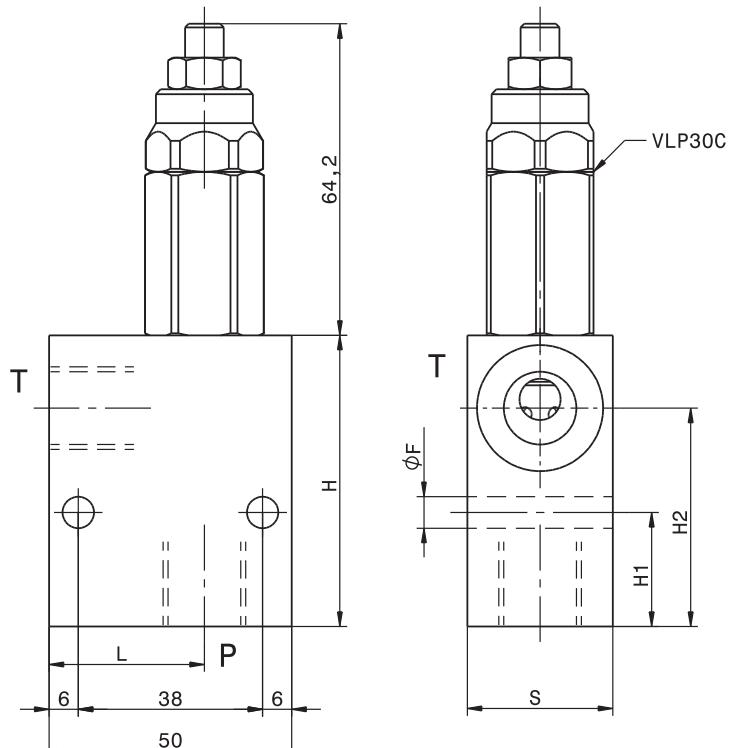
Versione con corpo in alluminio o in acciaio  
*Aluminium or steel body version*



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

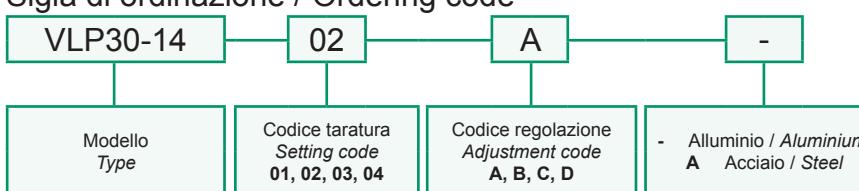
Taratura Setting		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
00	40 bar 580 psi	5÷40 bar 72.5÷580 psi
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi

Regolazioni Adjustments			
A	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 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

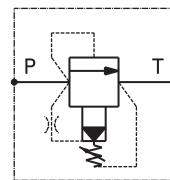
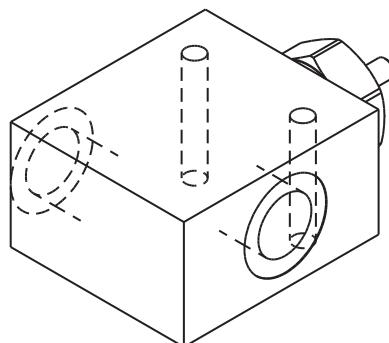
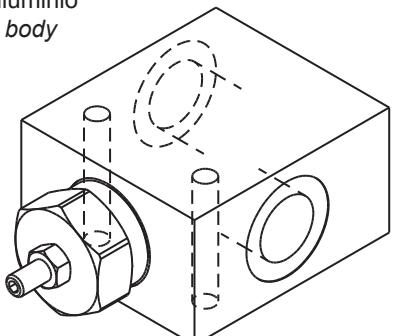


For flow diagram see performance of cartridge

I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.  
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Valvola limitatrice di pressione pilotata  
*Pilot operated relief valve*  
**mod. VLP200P**

Corpo in alluminio  
*Aluminium body*

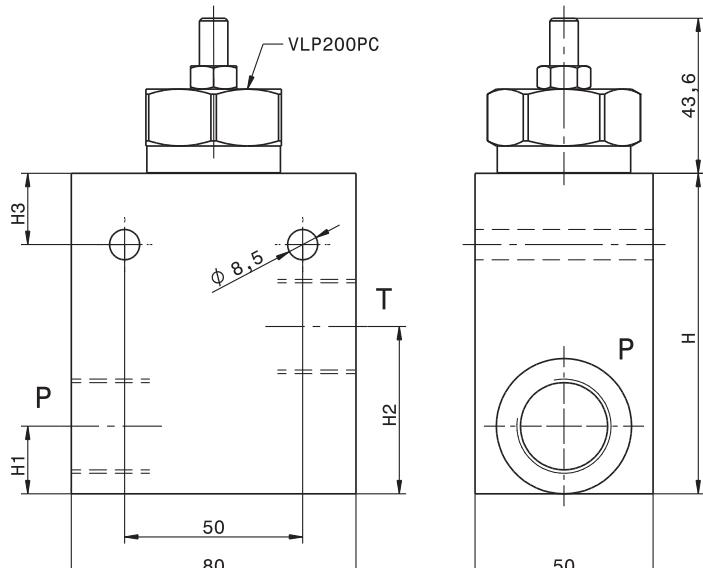


Modello Type	P, T	Pressione max. Max. pressure	Portata max Max. flow
VLP200P-34	3/4" GAS	250 bar 3600 psi	200 l/min 53 gpm
VLP200P-10	1" GAS	250 bar 3600 psi	200 l/min 53 gpm

Taratura <i>Setting</i>		
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

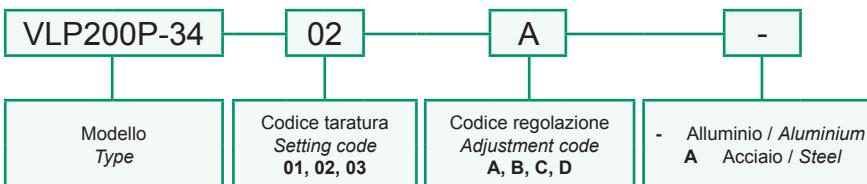
Regolazioni <i>Adjustments</i>			
<b>A</b> Leakproof hex socket screw	<b>B</b> Handknob and locknut	<b>C</b> Sealing cap	<b>D</b> Cap
Vite esterna esagono incassato Leakproof hex socket screw	Volantino e dado Handknob and locknut	Piombatura Sealing cap	Cappellotto Cap

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C <i>Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C</i>	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura 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



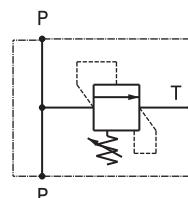
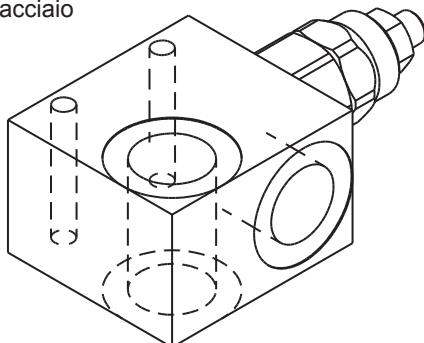
For flow diagram see performance of cartridge

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

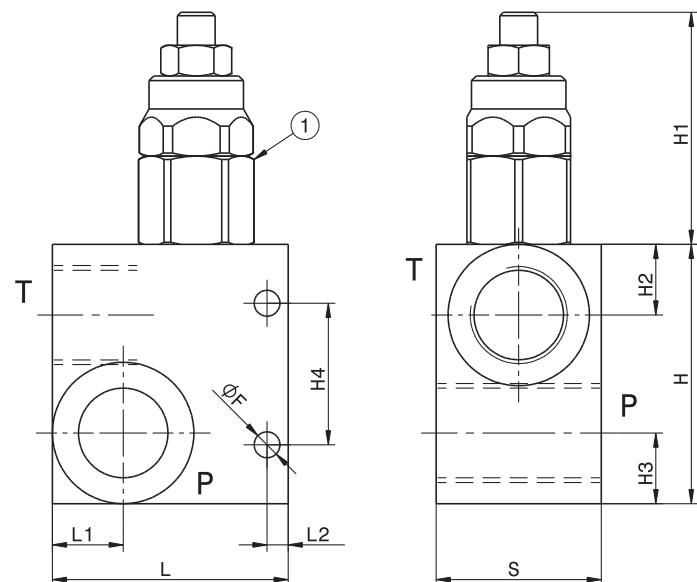
Versione con corpo in alluminio o in acciaio

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



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

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

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

Sigla di ordinazione / Ordering code

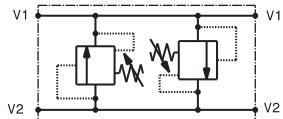
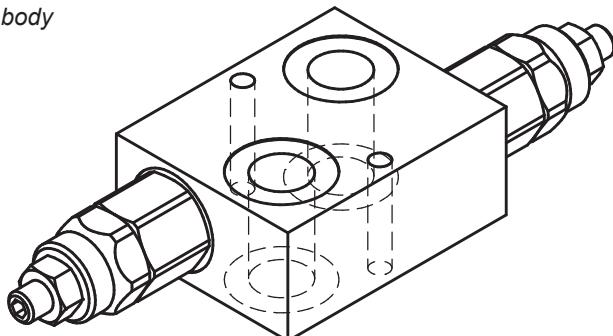
VLP40-L-14	02	A
Modello Type	Codice taratura Setting code 00, 01, 02, 03	Codice regolazione Adjustment code A, B, C, D

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.

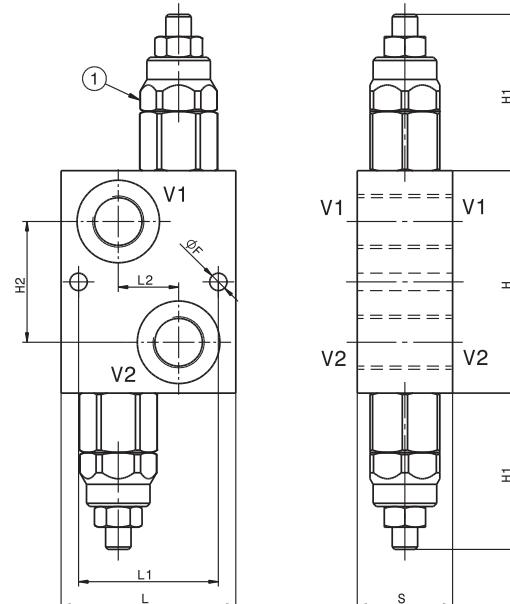
Valvola limitatrice di pressione doppia incrociata  
*Dual cross relief valve*  
 mod. VLP-DI

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



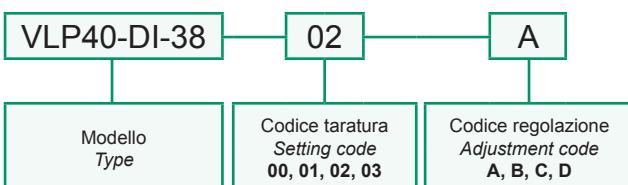
For flow diagram see performance of cartridge

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 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

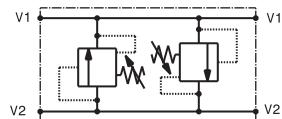
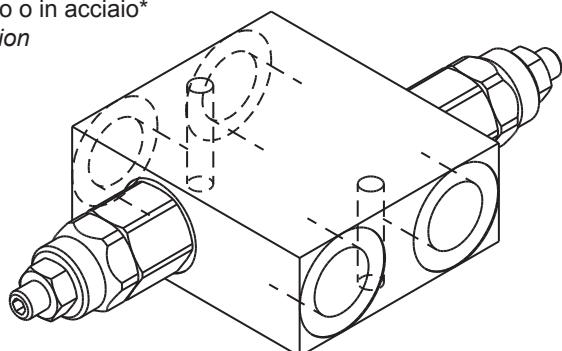


Modello Type	①	L	L1	L2	H	H1	H2	F	S
VLP40-DI-38	VLP40C	55	45	19	70	50	38	5.5	30
VLP40-DI-12	VLP40C	55	45	21	70	50	38	5.5	35
VLP80-DI-12	VLP80C	70	60	22	90	62	54	6.5	35
VLP80-DI-34	VLP80C	70	60	26	90	62	50	6.5	40
VLP130-DI-34	VLP130CD	80	60	32	90	62	50	8.5	50
VLP130-DI-10	VLP130CD	90	75	30	95	62	46	8.5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

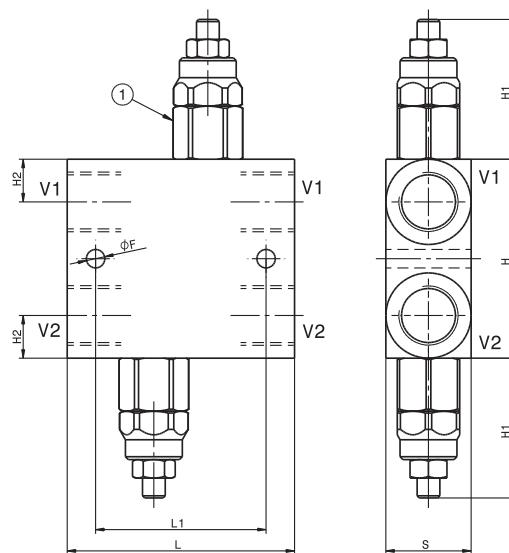
I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.  
*The specifications are not binding, CBF reserves the right to introduce modifications without notice.*

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*



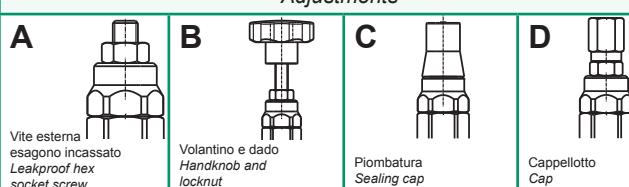
For flow diagram see performance of cartridge

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*

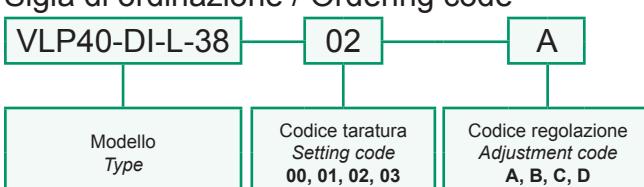
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

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	B	C	D



Sigla di ordinazione / Ordering code



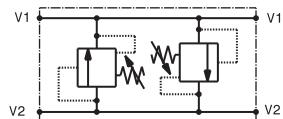
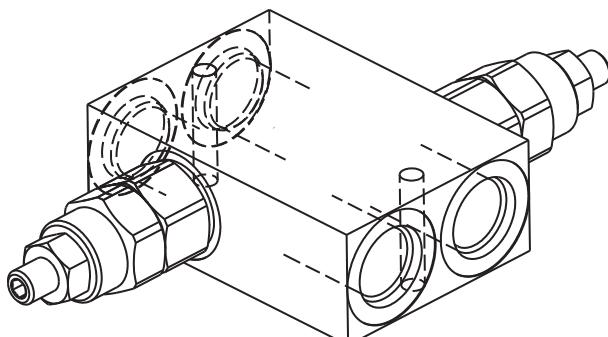
Modello Type	①	L	L1	H	H1	H2	F	S
VLP10-DI-L-14	VLP10C	70	50	60	32	14	6.5	30
VLP10-DI-L-38	VLP10C	70	50	60	32	14	6.5	30
VLP40-DI-L-38	VLP40C	80	60	70	50	15	6.5	30
VLP40-DI-L-12	VLP40C	80	60	70	50	15	6.5	30
VLP80-DI-L-12	VLP80C	100	80	70	62	16	6.5	35
VLP80-DI-L-34	VLP80C	100	80	90	62	19	6.5	40
VLP130-DI-L-34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

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

For flow diagram see performance of cartridge

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

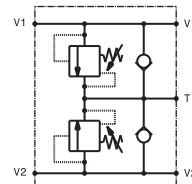
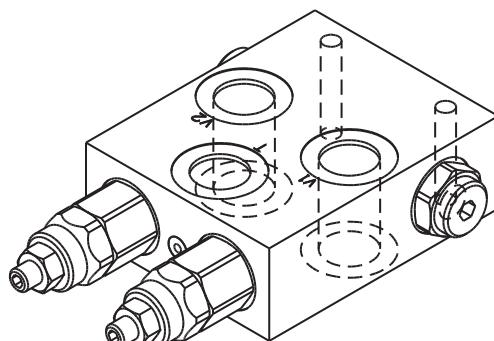
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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

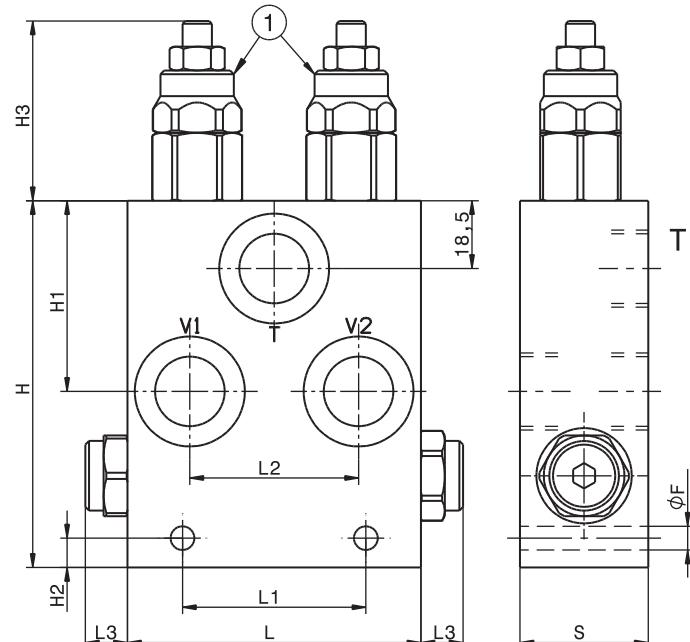
I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.  
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Valvola limitatrice di pressione doppia e anticavitazione  
*Dual relief and anticavitation valve*  
**mod. VLP-DA**

Corpo in alluminio  
*Aluminium body*



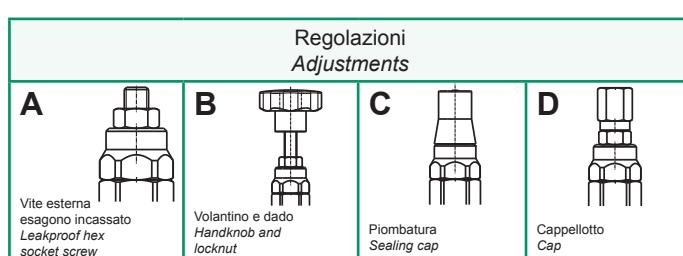
Modello Type	V1, V2, T	Pressione max. Max. pressure	Portata max Max. flow
VLP40-DA-38	3/8" GAS	300 bar 4300 psi	40 l/min 10.5 gpm
VLP40-DA-12	1/2" GAS	300 bar 4300 psi	40 l/min 10.5 gpm
VLP80-DA-12	1/2" GAS	300 bar 4300 psi	80 l/min 21 gpm
VLP80-DA-34	3/4" GAS	300 bar 4300 psi	80 l/min 21 gpm



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

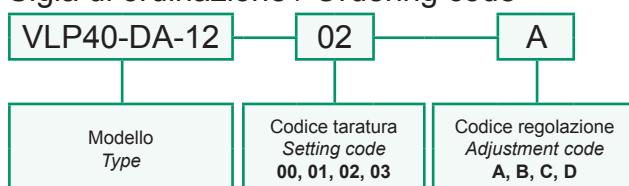
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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



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

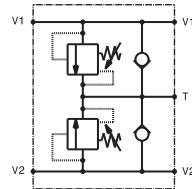
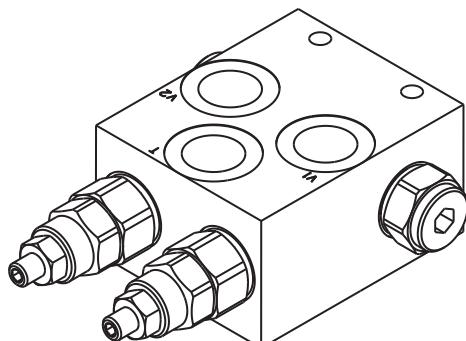
Sigla di ordinazione / Ordering code



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.*

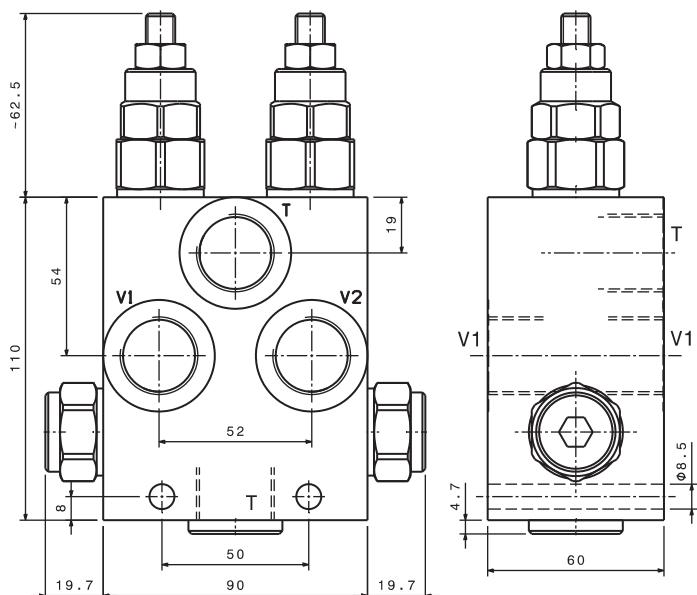
Valvola limitatrice di pressione doppia e anticavitazione  
*Dual relief and anticavitation valve*  
**mod. VLP130-DA**

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

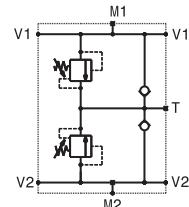
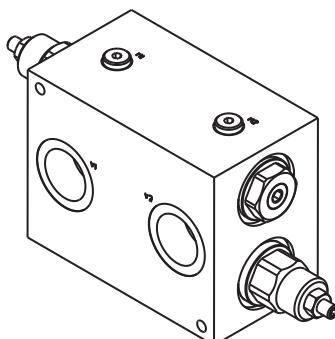
Sigla di ordinazione / Ordering code

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

Corpo in alluminio  
*Aluminium body*

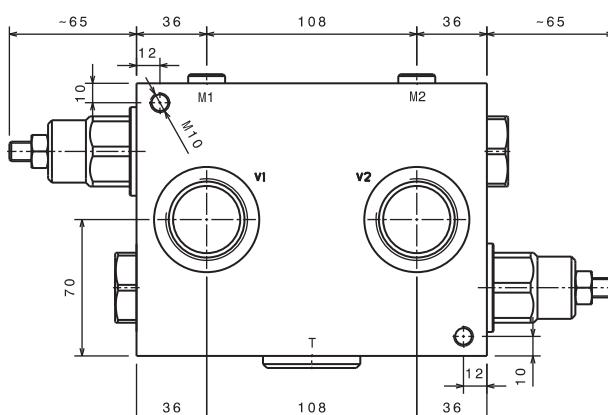
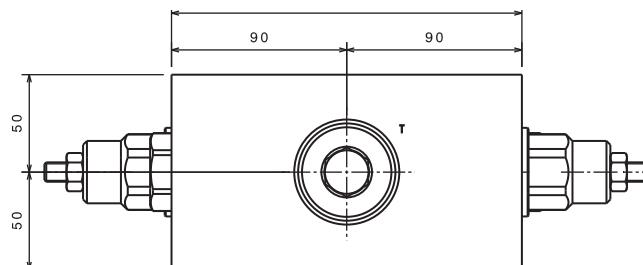


Portata massima <i>Max flow</i>	400 l/min <i>105 gpm</i>	
Pressione massima <i>Max pressure</i>	280 bar <i>5000 psi</i>	
<b>Modello  <i>Type</i></b>	<b>V1, V2, T</b>	<b>M1,M2</b>
<b>VLP40020DA114</b>	<b>G1 1/4</b>	<b>G 1/4</b>

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*

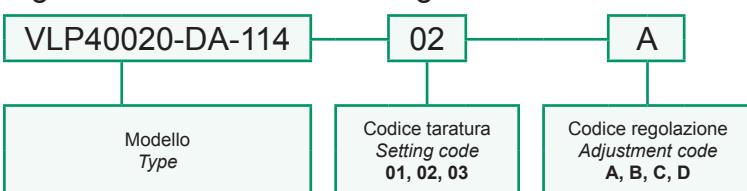
Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> $(Q=5 \text{ l/min})$	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>	<b>A</b>  Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	<b>B</b>  Volantino e dado <i>Handknob and locknut</i>	<b>C</b>  Piombatura <i>Sealing cap</i>	<b>D</b>  Cappellotto <i>Cap</i>
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Sigla di ordinazione / Ordering code



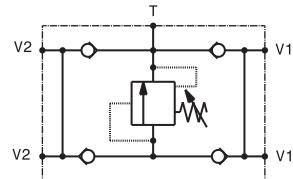
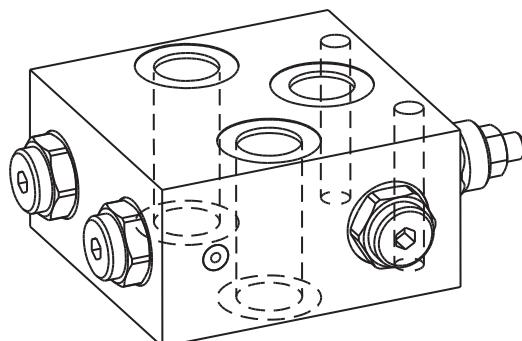
I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.  
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Valvola limitatrice di pressione semplice e anticavitazione

Single relief and anticavitation valve

mod. VLP-A

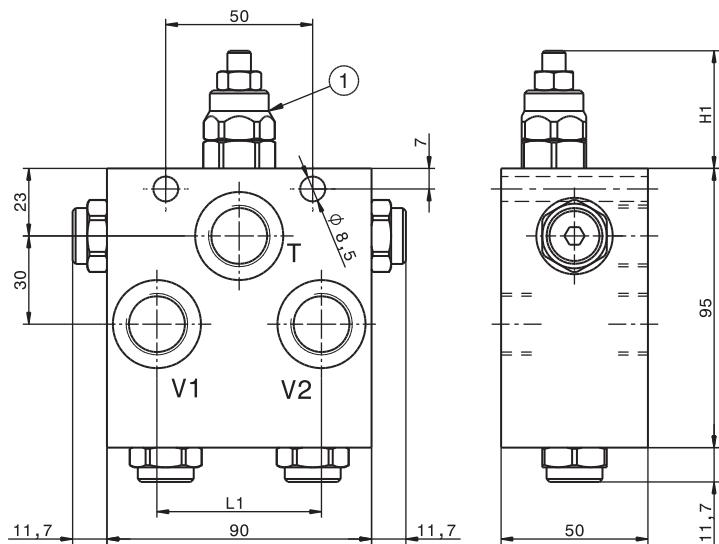
Corpo in alluminio  
Aluminium body



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

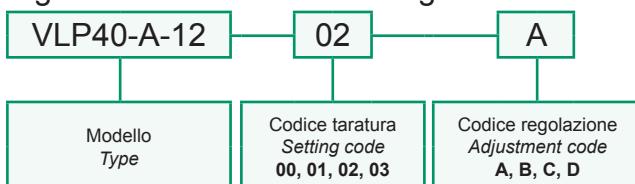
Taratura Setting		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
00	40 bar 580 psi	5÷40 bar 72.5÷580 psi
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi

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



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

Sigla di ordinazione / Ordering code



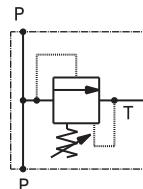
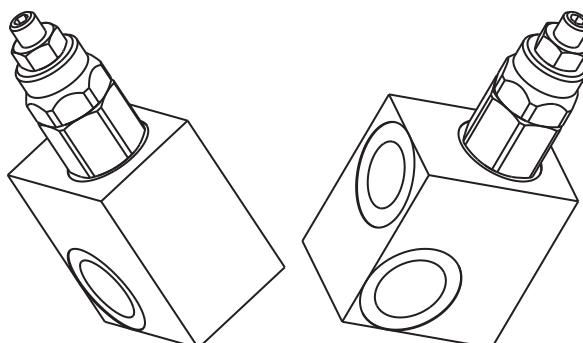
I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.  
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Valvola limitatrice di pressione flangiabile con vite cava

*Relief nipple screw flangeable valve*

mod. VLP40-VC-12

Corpo in alluminio  
Aluminium body

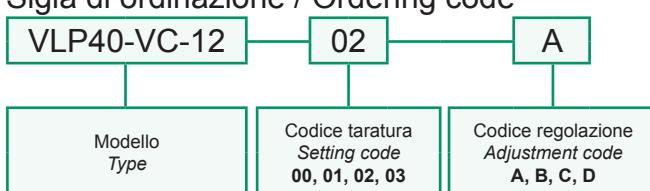


Modello Type	T	Pressione max. Max. pressure	Portata max Max. flow
VLP40-VC-12	1/2" GAS	350 bar 5000 psi	40 l/min 10.6 gpm

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	B	C	D
Vite esterna esagono incassato Leakproof hex socket screw	Volantino e dado Handknob and locknut	Piomatura 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 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



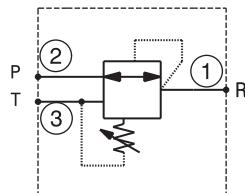
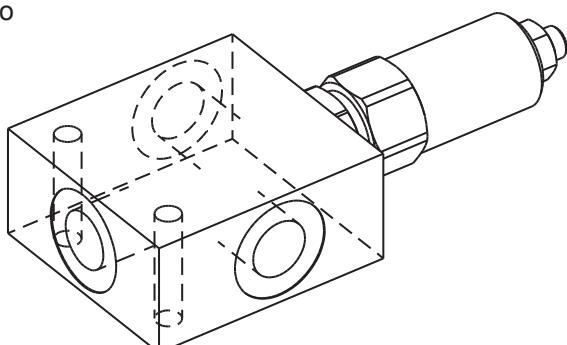
For flow diagram see performance of cartridge

I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.  
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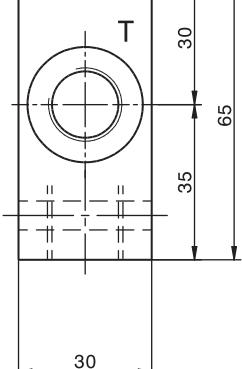
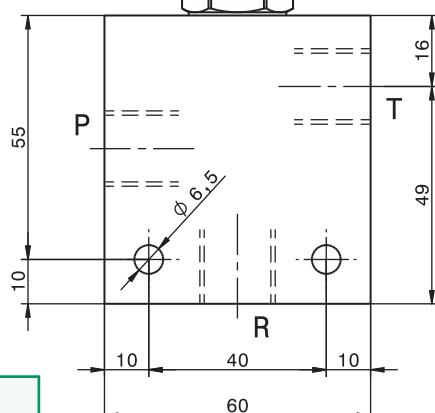
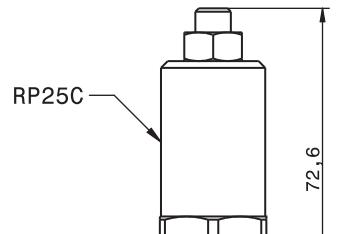
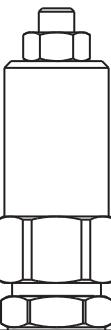
Valvola riduttrice di pressione diretta  
*Direct acting pressure reducing valve*

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



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

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

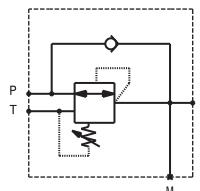
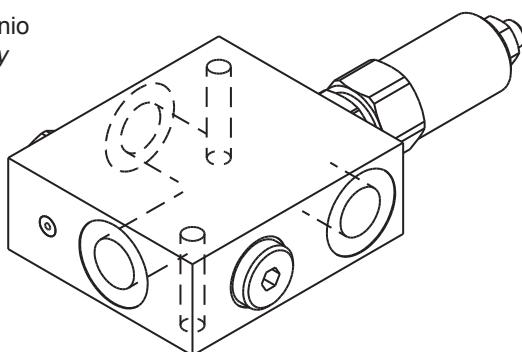
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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.  
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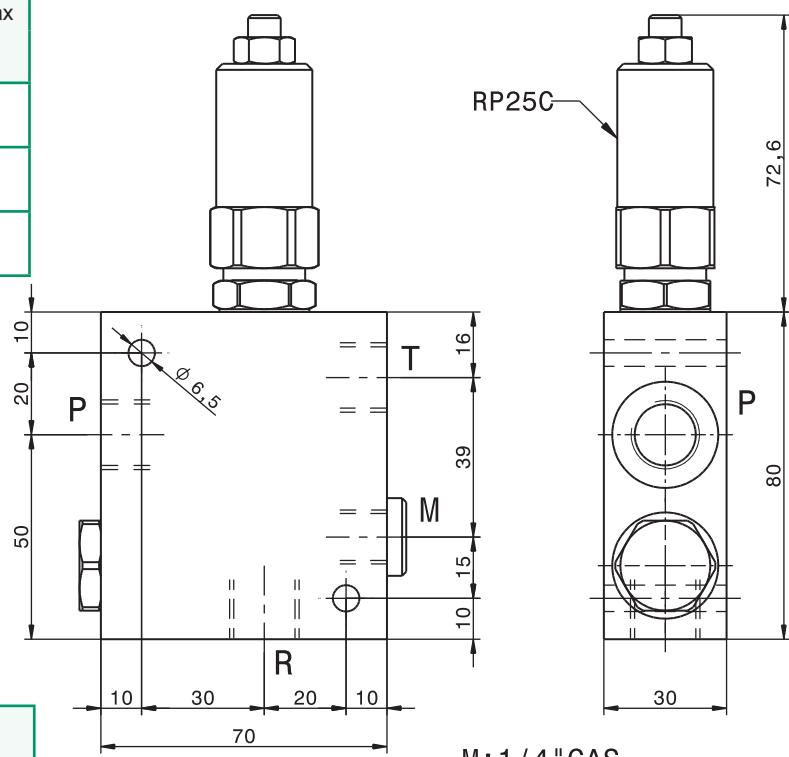
Valvola riduttrice di pressione diretta con valvola di non ritorno  
*Direct acting pressure reducing valve with check valve*  
**mod. RP25VU**

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 <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

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

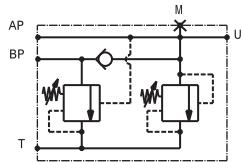
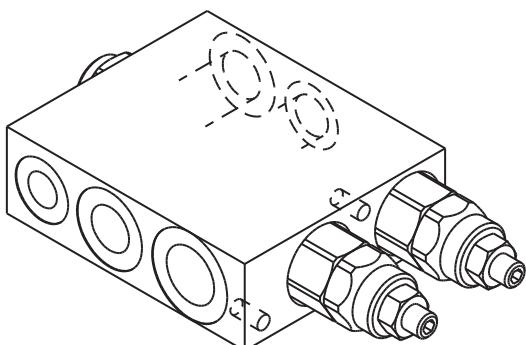
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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

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*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 <i>Max flow</i>	40 l/min <i>10.5 gpm</i>
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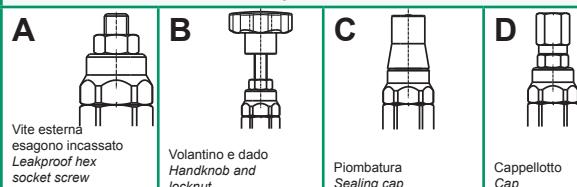
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
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Modello <i>Type</i>	AP <i>GAS</i>	BP <i>GAS</i>	T <i>GAS</i>	U <i>GAS</i>	M <i>GAS</i>	H1 <i>mm</i>	H2 <i>mm</i>	H3 <i>mm</i>	H4 <i>mm</i>
VEP-VLP40-38	1/4"	3/8"	1/2"	3/8"	1/4"	14	28	27	32
VEP-VLP40-12	3/8"	1/2"	1/2"	1/2"	1/4"	15	27	28	31

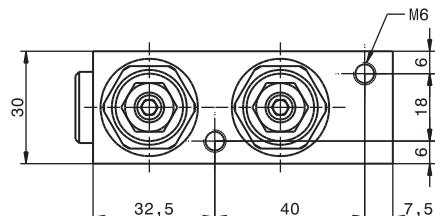
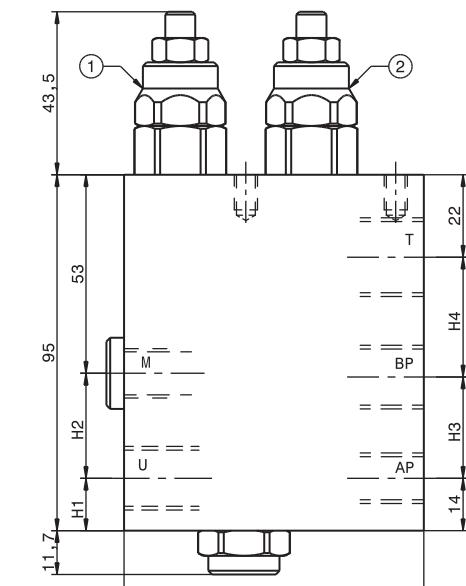
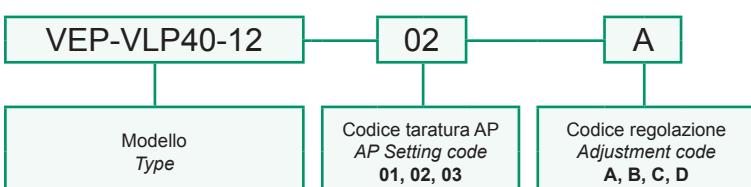
Taratura  
*Setting*

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

Regolazioni  
*Adjustments*



Sigla di ordinazione / Ordering code

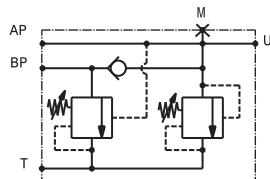
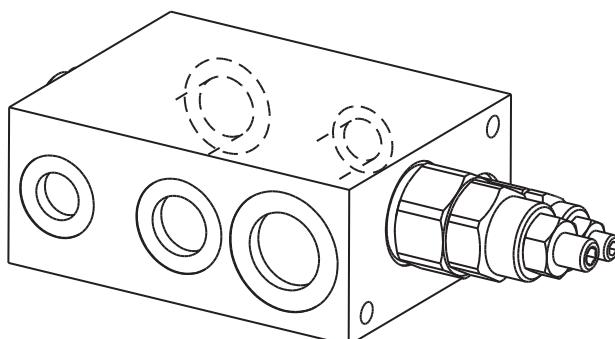


Dati e taratura ottenuti usando olio con viscosità 30 cSt a 50°C <i>Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C</i>
Viscosità consigliate <i>Recommended viscosity</i>
10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>
-20 ÷ +90 °C
Filtrazione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

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 <i>Max flow</i>	80 l/min <i>21 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>

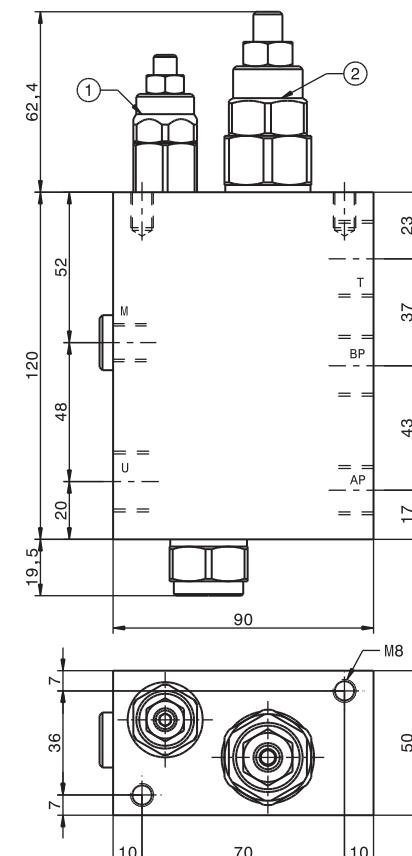
Modello <i>Type</i>	AP	BP	T	U	M
VEP-VLP80-12	3/8" GAS	1/2"	3/4"	1/2"	1/4"

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>		
	BP ②	AP ①	BP ②	AP ①	
01	80 bar <i>1160 psi</i>	80 bar <i>1160 psi</i>	20÷100 bar <i>290÷1450 psi</i>	20÷100 bar <i>290÷1450 psi</i>	
02	80 bar <i>1160 psi</i>	180 bar <i>2600 psi</i>	20÷100 bar <i>290÷1450 psi</i>	40÷250 bar <i>580÷3600 psi</i>	
03	80 bar <i>1160 psi</i>	250 bar <i>3600 psi</i>	20÷100 bar <i>290÷1450 psi</i>	60÷350 bar <i>870÷5000 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 Sealing cap	Cappellotto Cap

Sigla di ordinazione / Ordering code

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

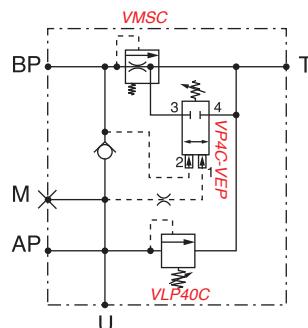
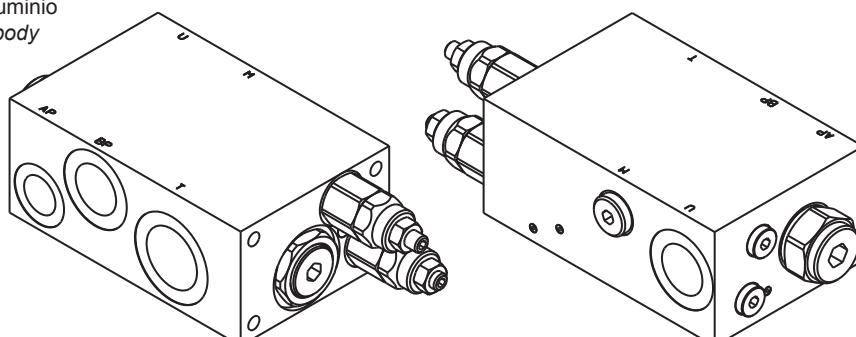


Dati e taratura ottenuti usando olio con viscosità 30 cSt a 50°C <i>Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C</i>	
Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione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

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>	<b>AP</b> 40 l/min 10.5 gpm	<b>BP</b> 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>		
Temperatura di lavoro <i>Working temperature</i>	10 ÷ 420 cSt	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 μ	

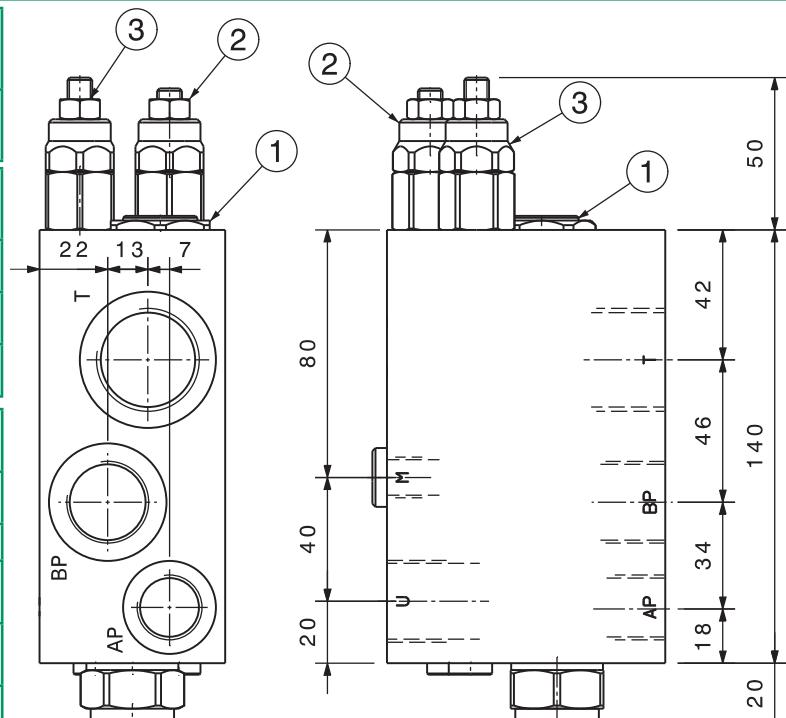
Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting (Q=5 l/min)</i>		Campo di taratura <i>Adj. Pressure range</i>
	<b>BP</b> ②	<b>AP</b> ①	<b>BP</b> ②
01	80 bar 1160 psi	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	80 bar 1160 psi	180 bar 2600 psi	20÷100 bar 290÷1450 psi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

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

Sigla di ordinazione / Ordering code

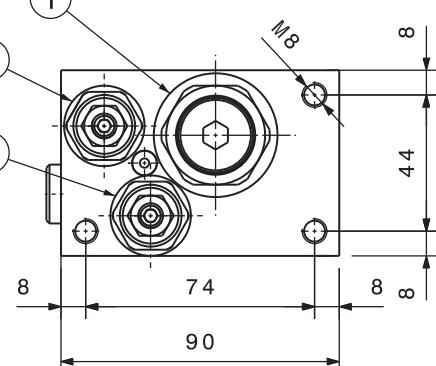
VEPVLP150 - 02 - A

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

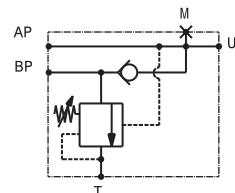
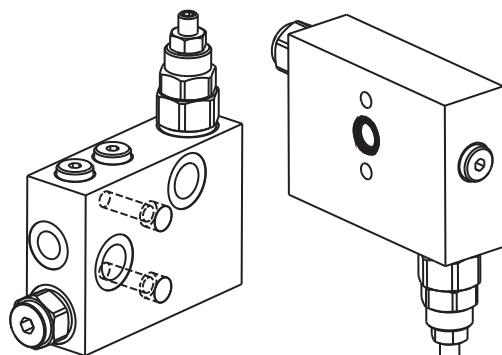


I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.  
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Valvola di esclusione alta-bassa pressione flangiabile su pompa ad ingranaggi  
*High - low pressure, relief and unloading valve – direct mounting on gear pumps*

mod. VEP80-FPG

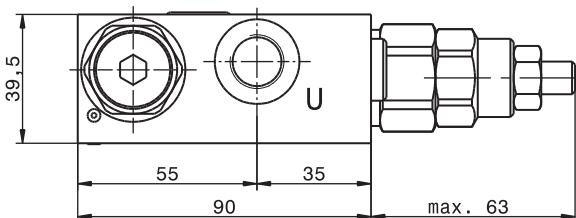
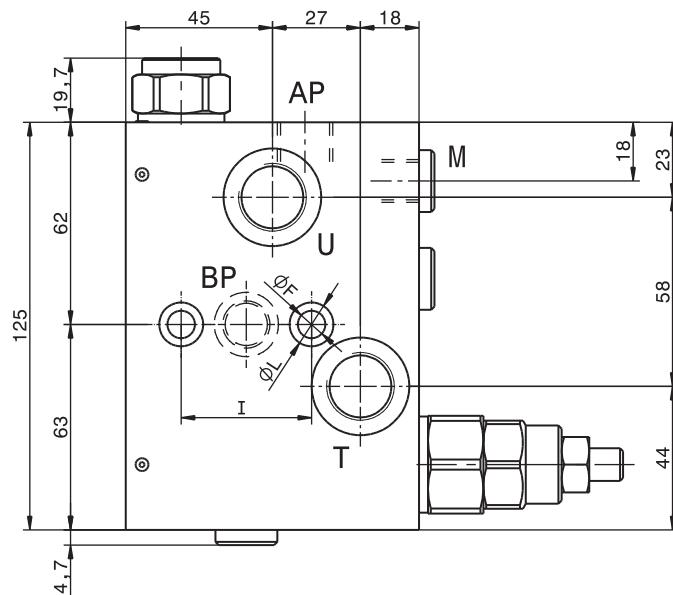
Corpo in alluminio  
*Aluminium body*



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 pressure AP</i>	350 bar 5000 psi
Pressione massima BP <i>Max pressure BP</i>	100 bar 1450 psi

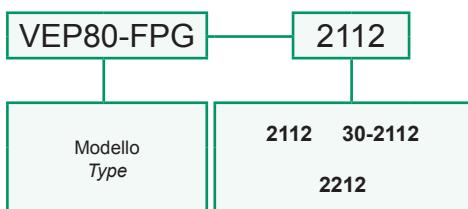
Modello <i>Type</i>	AP	BP	U, T	M
VEP80-FPG-2112	3/8" GAS	Ø13	1/2"	1/4"
VEP80-FPG-30-2112	3/8" GAS	Ø13	1/2"	1/4"
VEP80-FPG-2212	3/8" GAS	Ø19	1/2"	1/4"

Taratura <i>Setting</i>	80 bar 1160 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 <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>
Temperature di lavoro <i>Working temperature</i>
Filtrazione assoluta <i>Absolute filtration</i>

Sigla di ordinazione / Ordering code



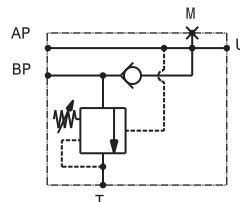
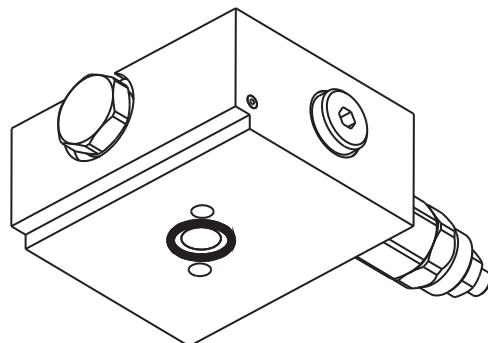
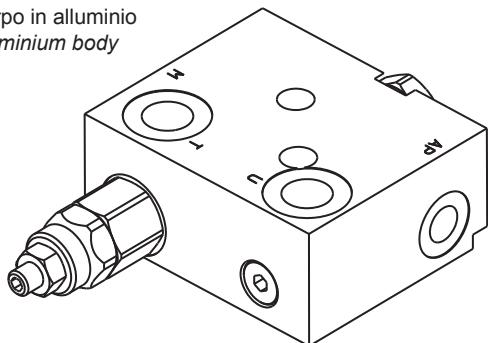
Modello <i>Type</i>	I	F	L
VEP80-FPG-2112	40	8.5	13.5
VEP80-FPG-30-2112	30	6.5	11
VEP80-FPG-2212	40	8.5	13.5

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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

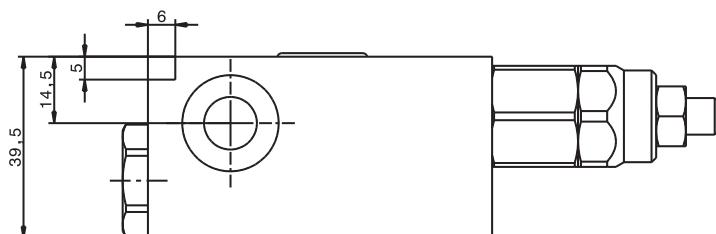
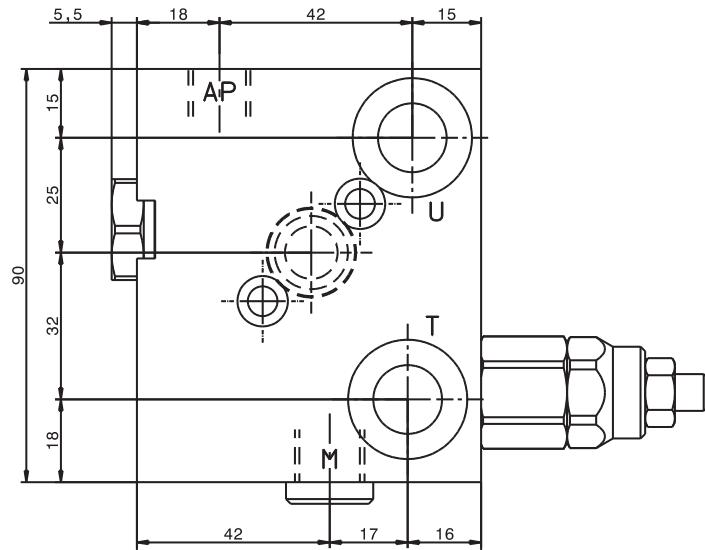
Corpo in alluminio  
*Aluminium body*



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

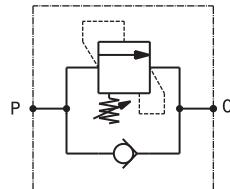
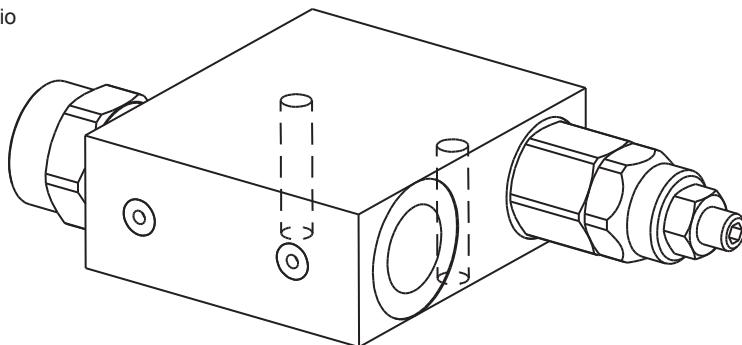
VEP40-FPG-1138

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.*

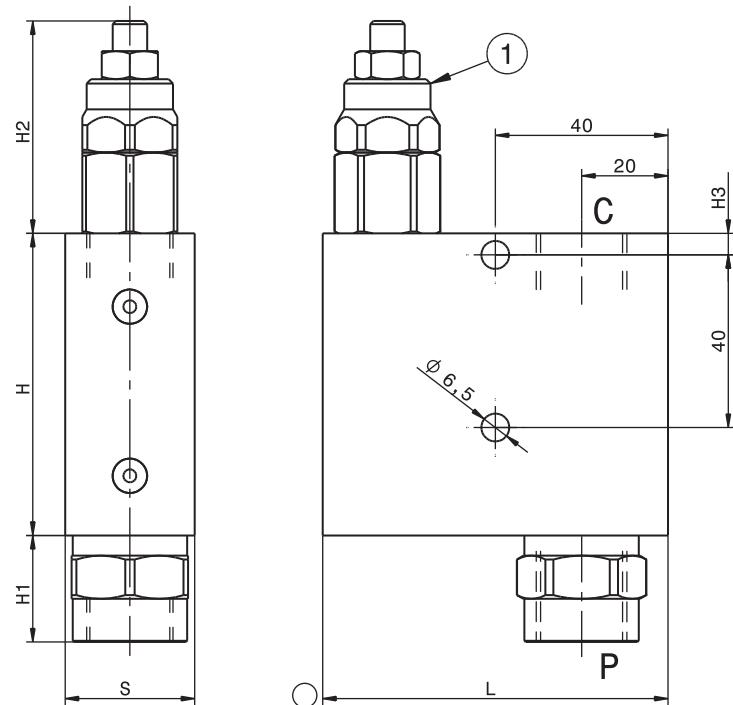
Valvola di sequenza ad azione diretta  
*Direct acting sequence valve*  
 mod. VSQ

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	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

VSQ40-12	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	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

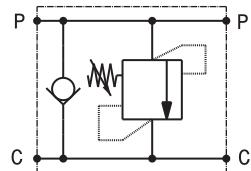
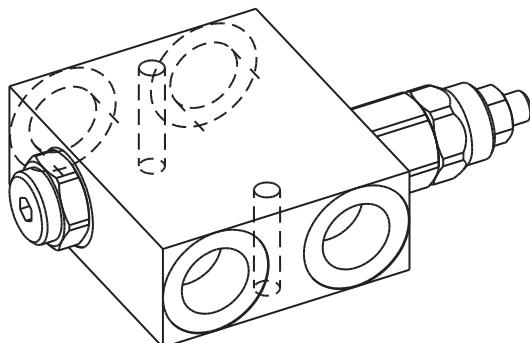
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C  
*Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C*

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.*

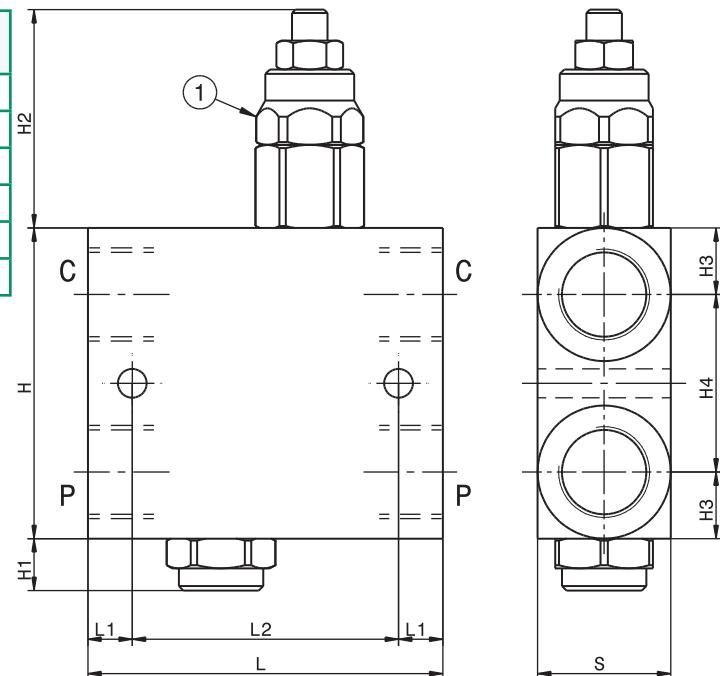
Valvola di sequenza ad azione diretta in linea  
*In line, direct acting sequence valve*  
**mod. VSQ-L**

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	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	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*

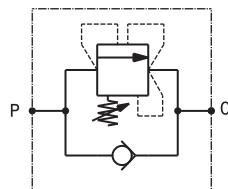
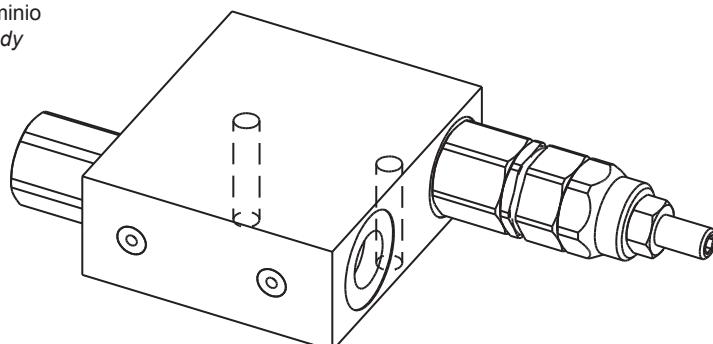
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

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 con esclusione della pressione primaria  
*Direct acting sequence valve with primary pressure cut-off*

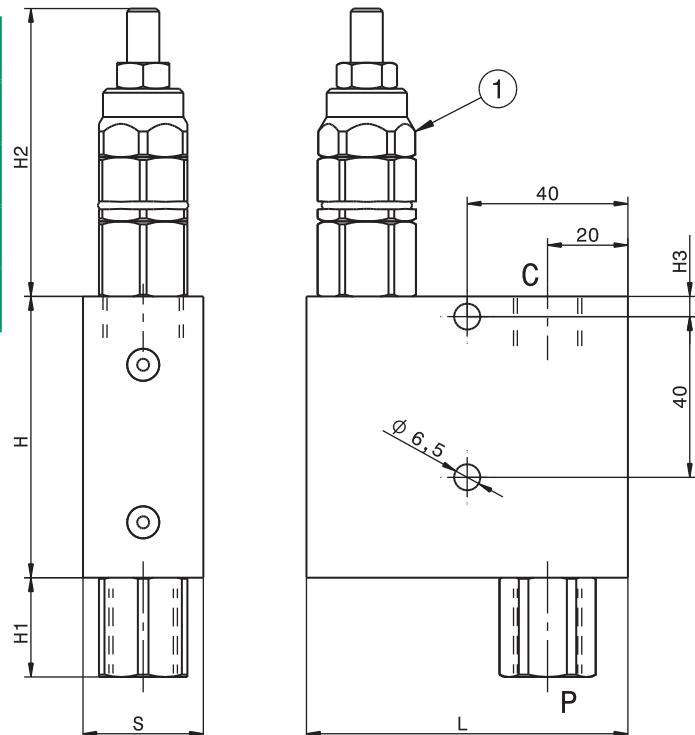
mod. VSQ-CC

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	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>

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*

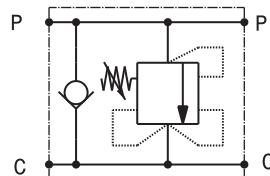
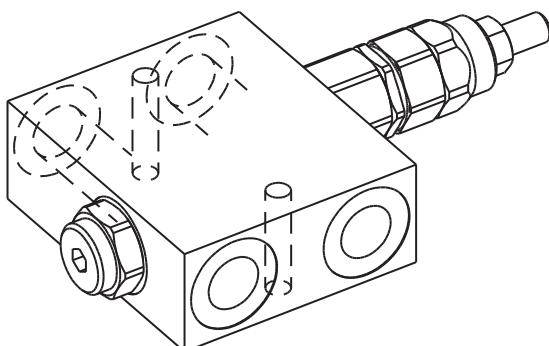
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

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

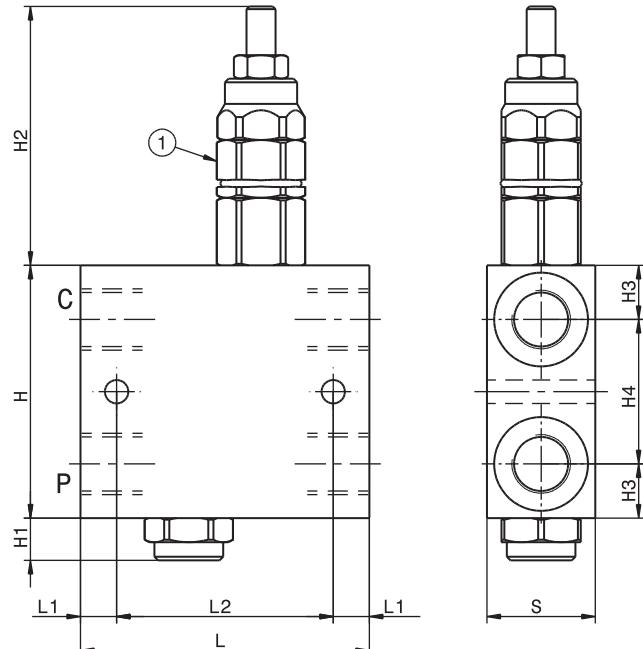
mod. VSQ-L-CC

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

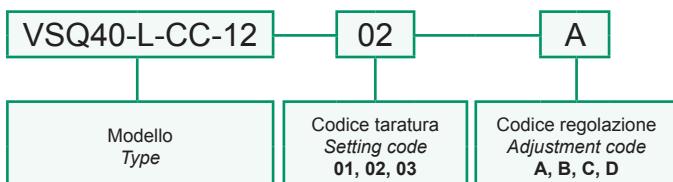
Taratura Setting		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi



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



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

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

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