



Valvole per il controllo del flusso

Flow control valves



VALVOLE PER IL CONTROLLO DEL FLUSSO FLOW CONTROL VALVES

Queste valvole sono impiegate per la soluzione di numerosi problemi di controllo, regolazione, divisione o riunificazione della portata di olio in circuiti oleodinamici. Possono essere di varie forme costruttive: a cartuccia o valvola completa di corpo per il montaggio in linea o flangiato. Possono essere suddivise nelle seguenti categorie:

Valvole strozzatrici: le valvole strozzatrici permettono la regolazione della portata attraverso la strozzatura della via di passaggio olio. L'olio in eccedenza va a scarico con l'intervento della valvola di massima pressione, che deve essere sempre prevista sul ramo di mandata. Creano pertanto una dissipazione di energia e riscaldamento dell'olio che potrebbe consigliare il montaggio di uno scambiatore per limitare la temperatura massima dell'impianto. Se ne consiglia l'uso in applicazioni a bassi cicli di lavoro e con poca portata in eccedenza. Posso essere prodotte con una valvola unidirezionale per il flusso libero dell'olio nel verso opposto

Regolatori di flusso a 2 vie: sono compensati baricamente e limitano la portata olio in un circuito ad un valore costante, pressochè indipendente dalla pressione di utilizzo. Possono avere una valvola unidirezionale per il flusso inverso libero.

Regolatori di flusso a 3 vie: sono compensati baricamente e limitano la portata olio in un circuito a pressione pressochè costante, registrabile; hanno un attacco per la messa a scarico della portata olio eccedente. Per un funzionamento corretto il valore di pressione sull'attacco "T" non deve mai superare quello sull'attacco "R" del ramo regolato. Possono avere una valvola unidirezionale per il flusso inverso libero.

Regolatori di flusso a 3 vie , per 2 utilizzi: permettono l'utilizzo indipendente e contemporaneo delle portate disponibili all'attacco prioritario "P" e di by-pass "B"; la portata prioritaria in "P" viene mantenuta pressochè costante al valore regolato, indipendentemente dalle variazioni di pressione degli attuatori.

Divisori-riunificatori di flusso: consentono di dividere in parti uguali il flusso in ingresso (da V verso C1-C2), e di mantenere uguali le portate riunificate in direzione opposta (da C1-C2 verso V), indipendentemente dalla pressione degli attuatori e dalla portata in V.

Regolatori di flusso a 3 vie, per due utilizzi, con comando elettrico e controllo massima pressione per l'uscita prioritaria.

These valves provide solutions for a variety of flow control problems in hydraulic circuits such as flow restriction, limitation, division, combination. They can be manufactured as cartridges, sleeves or valves with body and they can be classified as follow:

Needle valves are manually actuated flow valves for influencing a flow rate by means of an adjustable cross-section using a throttle spindle. The flow rate is dependent on differential pressure and viscosity. A turning knob with scale ring allows a sensitive reproducibility of the set values. Various installation sizes enable an optimal system adjustment. They can incorporate a check valve for free flow in the opposite direction.

Two way flow regulators are pressure compensated and they prevent the oil flow from exceeding a present value, independently from the working pressure. They can incorporate a check valve for free flow return.

Three way flow regulators are pressure compensated and they limit the oil flow to the preset value, independently from the working pressure. Any excess flow is unloaded through the third port at low pressure. For correct operation, the pressure in the "T" line must never exceed the pressure in the regulated port. They can incorporate a check valve for free flow in the opposite direction.

Three way flow regulators combination type. The outlet flows from the priority and by-pass port can be used at the same time in two different actuators.

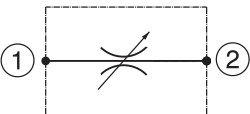
Flow Divider-Combiner. Inlet flow passes through the two matched orifices in the spools, through the spools and out of the radial holes in the cartridge. The matched orifices and the compensating springs ensure that the flow is divided equally, excess flow in either direction causes the spool to move and close the radial holes in the cartridge until equilibrium is restored. In the reverse direction the spools close together and regulate the flow in through the radial ports.

Three ways flow regulator for two actuators with solenoid and relief valve.

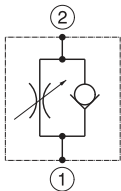
INDICE PER TIPO DI VALVOLA INDEX BY VALVE TYPE

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

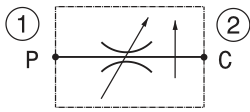
Strozzatore a cartuccia Needle valve - cartridge type

	STV-C	5	350	177
	ST5-C	5	350	178
	ST-C	40	350	179
	ST08-C	40	350	180
	ST10-C	80	300	181
	ST80-C	80	300	182
	ST130-C	130	300	183

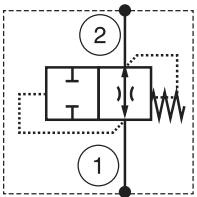
Strozzatore unidirezionale a cartuccia Needle valve with free flow check - cartridge type

	STVU-C	40	350	184
	STVU-08-C	40	350	185
	STVU-10-C	80	300	186
	ST80VU-C	80	300	187
	ST130VU-C	130	300	188

Valvola regolatrice di flusso compensata, due vie, a cartuccia 2 ways, pressure compensated flow regulator valve - cartridge type

	RF2-08-C	15	350	189
	RF2-10-C	30	350	190
	RF2-50-C	30	350	191
	RF2-70-27-C	70	350	192
	RF2-130-33-C	130	350	193
	RF2-200-42-C	200	350	194
	RF2-70-12-C	70	350	195
	RF2-130-16-C	130	350	196
	RF2-200-20-C	200	350	197

Valvola regolatrice di flusso compensata, due vie, regolazione fissa, a cartuccia 2 ways, pressure compensated flow regulator valve, fixed setting - cartridge type

	RF2F-22-C	36	350	198
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INDICE PER TIPO DI VALVOLA INDEX BY VALVE TYPE

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

Valvola regolatrice di flusso compensata, tre vie, a cartuccia
3 ways, pressure compensated flow regulator valve – cartridge type

	RFP-50-C	40	350	199
	RFP-90-C	90	350	200
	RFP-150-33-C	150	350	201
	RFP-250-42-C	250	350	202
	RFP-08-C	25	350	203
	RFP-10-C	50	350	204
	RFP-90-12-C	90	350	205
	RFP-150-16-C	150	350	206
	RFP-250-20-C	250	350	207
	RF-C3	40	350	208
	RF-C3-M	40	350	209

Divisore – riunificatore di flusso a cartuccia
Flow divider combiner – cartridge type

	DFR-C	70	350	210
	DFR-10-C	60	350	211
	DFR-12-C	70	350	212
	DFR-16-C	150	350	213
	DFR-20-C	250	350	214

Strozzatore / Strozzatore unidirezionale
Needle valve / unidirectional needle valve

	ST-14 / STU-14	25	350	215
	ST-38 / STU-38	40	350	215
	ST-12 / STU-12	60	350	215
	ST-34 / STU-34	120	350	215
	ST-10 / STU-10	200	300	215

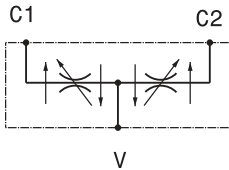
Strozzatore / Strozzatore unidirezionale
Needle valve / unidirectional needle valve

	SP-14 / SPU-14	15	350	216
	SP-38 / SPU-38	30	350	216
	SP-12 / SPU-12	45	350	216
	SP-34 / SPU-34	85	350	216

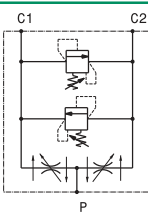
INDICE PER TIPO DI VALVOLA INDEX BY VALVE TYPE

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

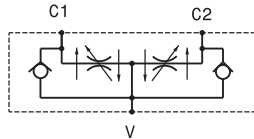
Divisore - riunificatore di flusso Flow divider - combiner

	DFR-38	25	300	217
	DFR-12	70	300	217
	DFR-34	150	250	218
	DFR-10	150	250	218
	DFR-10-14	25	300	219
	DFR-10-38	25	300	219
	DFR-10-12	60	300	219
	DFR-12-12	70	300	220
	DFR-12-34	70	300	220
	DFR-16-34	100	300	221
	DFR-16-10	150	300	221
	DFR-16-10-34	150	300	221

Divisore di flusso con VLP5C incrociate Flow divider with double cross VLP5C

	DFR-VLP5	25	300	222
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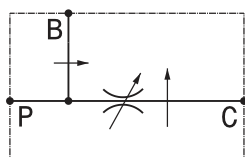
Divisore di flusso con ritorno libero Flow divider with free return flow

	DFR-VNR40	70	300	223
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INDICE PER TIPO DI VALVOLA INDEX BY VALVE TYPE

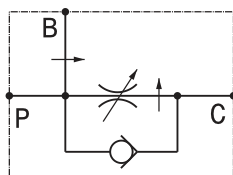
	Q	P	PAGINA
	(l/min)	(bar)	PAGE

Valvola regolatrice di flusso compensata, tre vie
3 ways, pressure compensated flow regulator valve



RFP-50-38	40	300	224
RFP-50-12	40	300	224
RFP-10-38	50	300	225
RFP-10-12	50	300	225
RFP-90-12	90	300	226
RFP-90-34	90	300	226
RF-3-38	40	300	230
RF-3-12	40	300	230
RFP-38	70	350	231
RFP-A-38	60	270	245
RFP-A-12	100	270	245
RFP-A-34	150	270	245
RFP-A-10	380	270	245
RFPA-38-L	60	270	246
RFPA-12-L	100	270	246
RFP-A-38-CE	60	270	247
RFP-A-12-CE	100	270	247
RFP-A-34-CE	150	270	247
RFP-A-10-CE	380	270	247
RF-G	100	350	249

Valvola regolatrice di flusso compensata con valvola di non ritorno, tre vie
3 ways, pressure compensated flow regulator valve with check valve

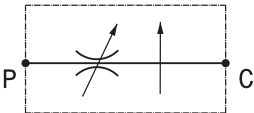


RFP-50-VU-38	40	300	227
RFP-50-VU-12	40	300	227
RFP-10-VU-38	50	300	228
RFP-10-VU-12	50	300	228
RFP-90-VU-12	90	300	229
RFP-90-VU-34	90	300	229
RF-A2-VU-38	45	270	239
RF-A2-VU-12	60	270	239
RF-A2-VU-34	90	270	239
RF-A2-VU-10	190	270	239
RF-G-VU	100	350	250

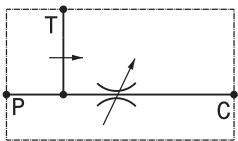
INDICE PER TIPO DI VALVOLA INDEX BY VALVE TYPE

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

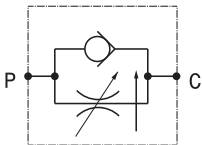
Valvola regolatrice di flusso compensata, due vie
2 ways, pressure compensated flow regulator valve

	RF-A2-38	45	270	232
	RF-A2-12	60	270	232
	RF-A2-34	90	270	232
	RF-A2-10	190	270	232
	RF-A2-38-L	45	270	233
	RF-A2-12-L	60	270	233
	RF-A2-34-L	90	270	233
	RF-A2-10-L	190	270	233

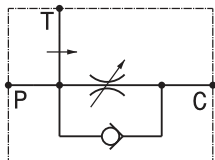
Valvola regolatrice di flusso compensata, tre vie
3 ways, pressure compensated flow regulator valve

	RF-A-38	60	270	234
	RF-A-12	100	270	234
	RF-A-34	150	270	234
	RF-A-10	280	270	236
	RF-A-38-L	60	270	237
	RF-A-12-L	100	270	237
	RF-A-34-L	150	270	238
	RF-A-34-AF-A	150	270	235

Valvola regolatrice di flusso compensata due vie con valvola di non ritorno
2 ways, pressure compensated flow regulator valve with check valve

	RF-A2-VU-38	40	270	239
	RF-A2-VU-12	45	270	239
	RF-A2-VU-34	90	270	239
	RF-A2-VU-10	190	270	239

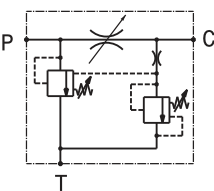
Valvola regolatrice di flusso compensata tre vie con valvola di non ritorno
3 ways, pressure compensated flow regulator valve with check valve

	RF-A-VU-38	60	270	240
	RF-A-VU-12	100	270	240
	RF-A-VU-34	150	270	240
	RF-A-VU-10	280	270	240

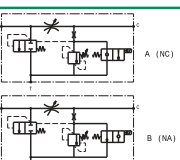
INDICE PER TIPO DI VALVOLA INDEX BY VALVE TYPE

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

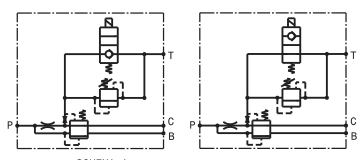
Valvola regolatrice di flusso compensata tre vie con valvola limitatrice di pressione
3 ways, pressure compensated flow regulator valve with relief valve

	RF-A-VLP10-38	60	270	241
	RF-A-VLP10-12	100	270	241
	RF-A-VLP10-34	150	270	241
	RF-A-VLP10-10	280	270	241
	RF-A-VLP10-38-L	60	270	243
	RF-A-VLP10-12-L	100	270	243
	RF-A-VLP10-34-L	150	270	244
	RF-A-VLP10-10-L	280	270	244

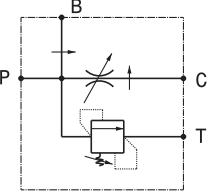
Valvola regolatrice di flusso compensata tre vie con valvola di massima, azionabile elettricamente
3 ways, pressure compensated flow regulator valve with relief valve and solenoid control

	RF-A-VLP10-38-EV-B	60	270	242
	RF-A-VLP10-12-EV-B	100	270	242

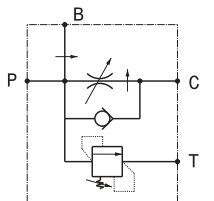
Valvola regolatrice di flusso compensata tre vie azionabile elettricamente con valvola limitatrice di pressione
3 ways, pressure compensated flow regulator valve with solenoid valve and relief

	RFPA-EV-VLP-38	60	270	248
	RFPA-EV-VLP-12	100	270	248
	RFPA-EV-VLP-34	150	270	248
	RFPA-EV-VLP-10	380	270	248

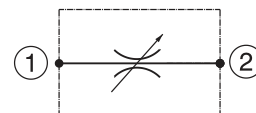
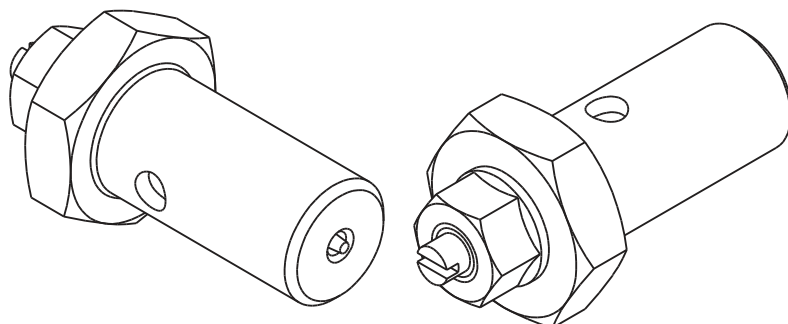
Valvola regolatrice di flusso compensata con valvola limitatrice di pressione, ghisa
Pressure compensated flow regulator valve with relief valve, cast iron

	RF-G-V	100	350	251
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Valvola regolatrice di flusso compensata con valvola limitatrice di pressione e di non ritorno, ghisa
Pressure compensated flow regulator valve with relief and check valves, cast iron

	RF-G-V-VU	100	350	252
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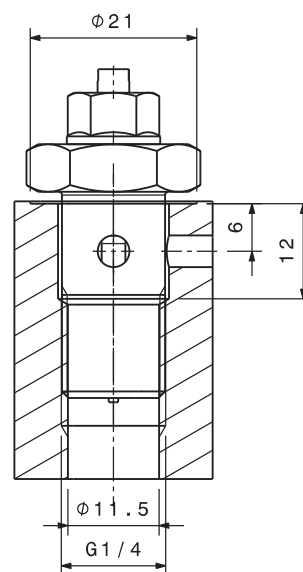
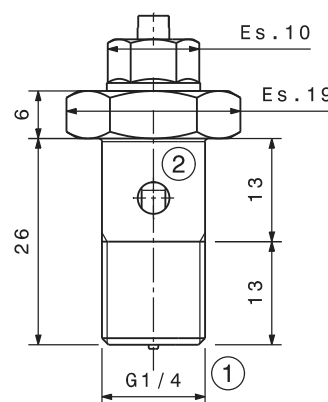
Strozzatore a cartuccia
Needle valve – cartridge type
mod. STV-C



Portata massima <i>Max flow</i>	5 l/min <i>1.3 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Coppia di serraggio <i>Installation torque</i>	12 ÷ 15 Nm <i>9 ÷ 11 lb ft</i>

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

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



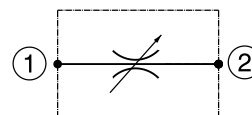
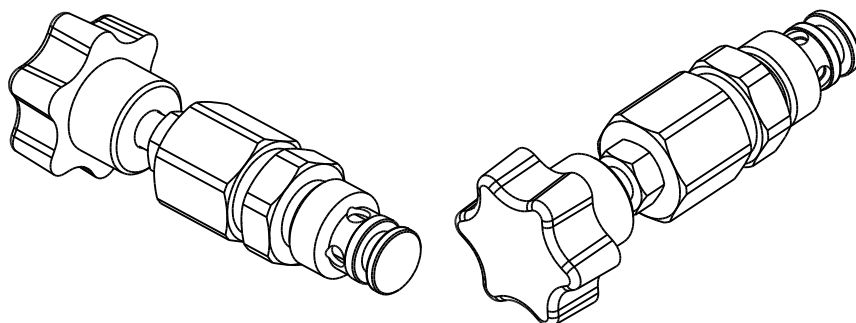
Sigla di ordinazione / Ordering code

STV-C-14

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.

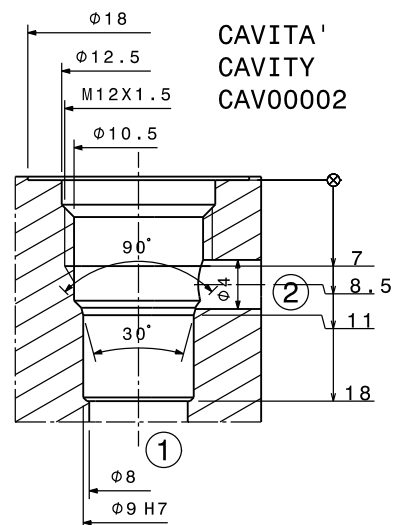
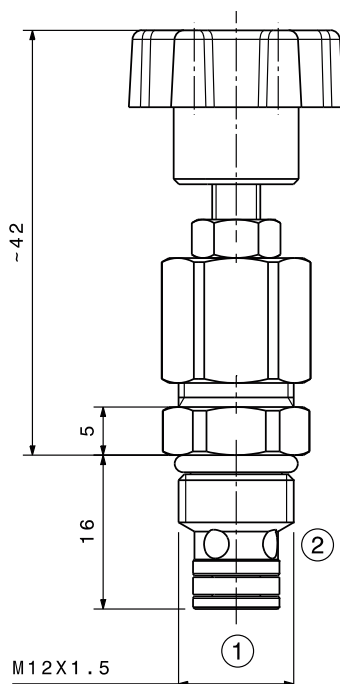
Strozzatore a cartuccia
Needle valve – cartridge type
mod. ST5-C



Portata massima <i>Max flow</i>	5 l/min <i>1.3 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Coppia di serraggio <i>Installation torque</i>	12 ÷ 15 Nm <i>9 ÷ 11 lb ft</i>

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

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



Sigla di ordinazione / Ordering code

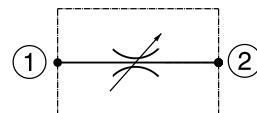
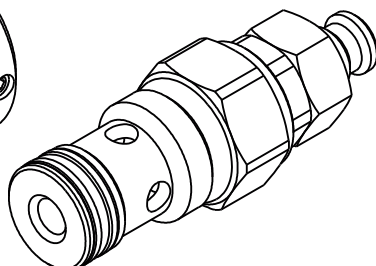
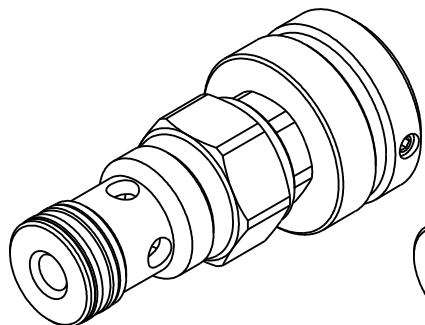
ST5-C-B

Modello
Type

For flow diagram see
PRESSURE DROP NEEDLE 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.*

Strozzatore a cartuccia
Needle valve – cartridge type
mod. ST-C



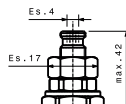
Portata massima Max flow	40 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 22 lb ft

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

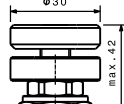
Regolazioni
Adjustments

A

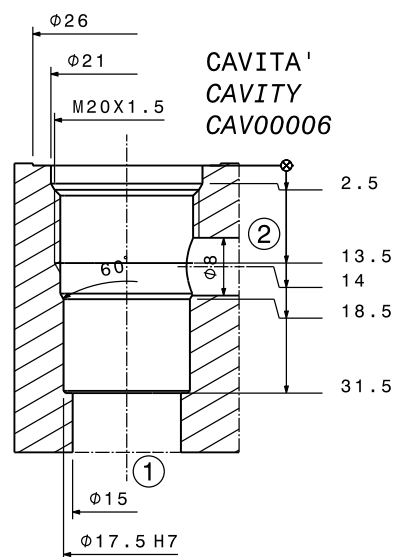
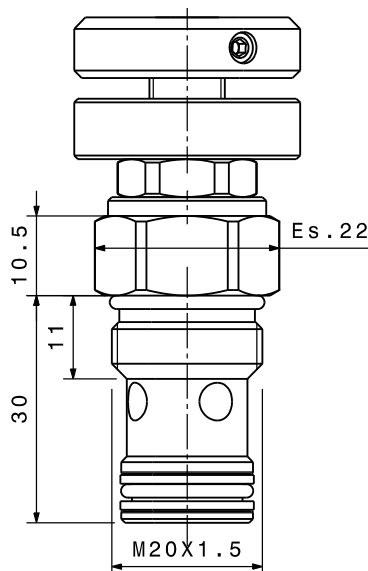


Vite esterna
esagono incassato
Leakproof hex
socket screw

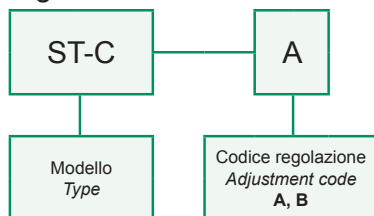
B



Volantino e dado
Handknob and
locknut



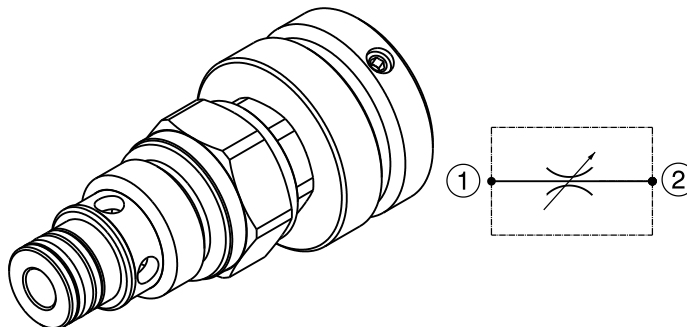
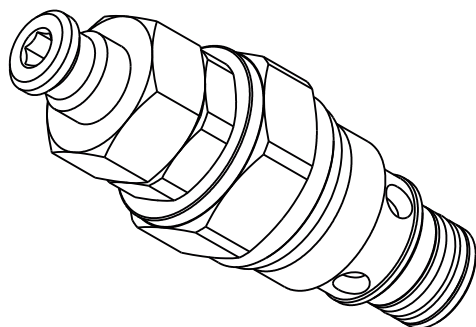
Sigla di ordinazione / Ordering code



For flow diagram see
PRESSURE DROP NEEDLE 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.

Strozzatore a cartuccia
Needle valve – cartridge type
mod. ST08-C



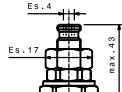
Portata massima <i>Max flow</i>	40 l/min <i>10.5 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Coppia di serraggio <i>Installation torque</i>	27 ÷ 30 Nm <i>20 ÷ 22 lbf ft</i>

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

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

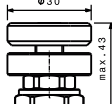
Regolazioni
Adjustments

A

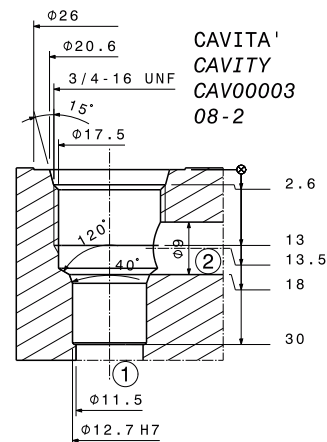
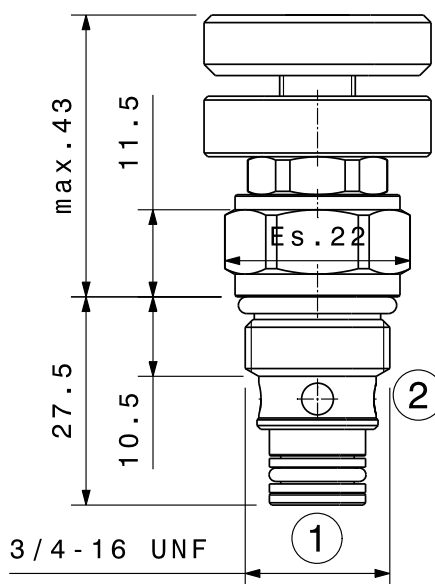


Vite esterna
 esagono incassato
*Leakproof hex
 socket screw*

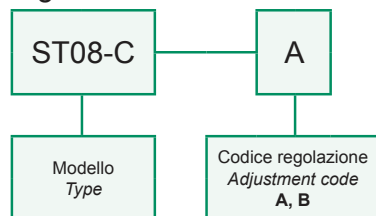
B



Volantino e dado
*Handknob and
 locknut*



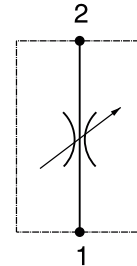
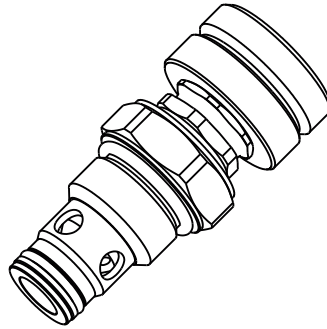
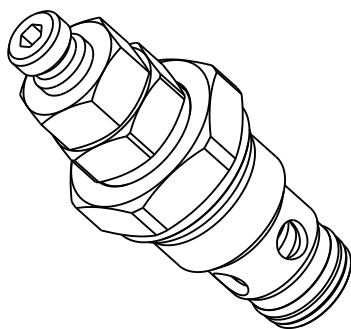
Sigla di ordinazione / Ordering code



For flow diagram see
 PRESSURE DROP NEEDLE 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.

Strozzatore a cartuccia
Needle valve – cartridge type
mod. ST10-C

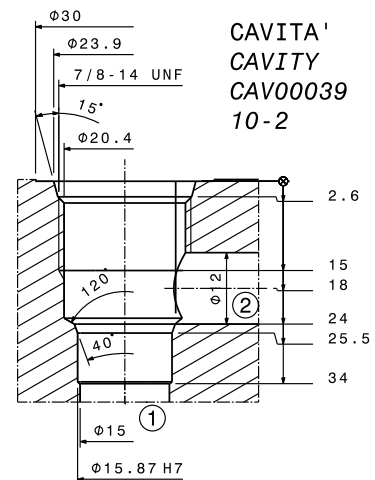
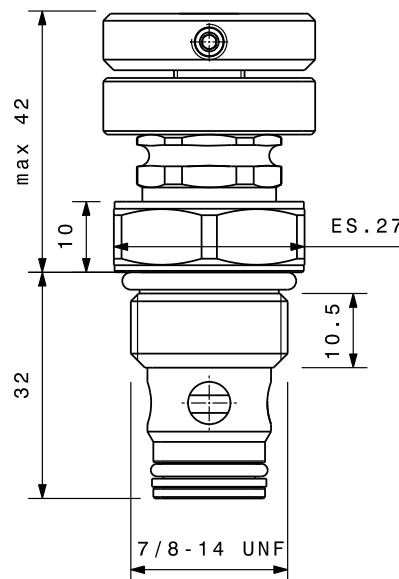
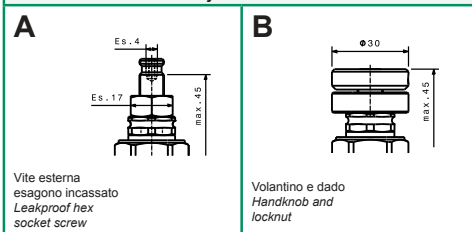


Portata massima Max flow	80 l/min 21 gpm
Pressione massima Max pressure	300 bar 4300 psi
Coppia di serraggio Installation torque	45 ÷ 50 Nm 33 ÷ 37 lb ft

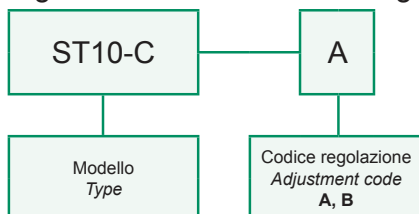
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

Regolazioni
Adjustments



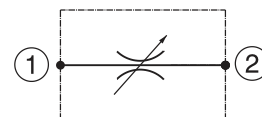
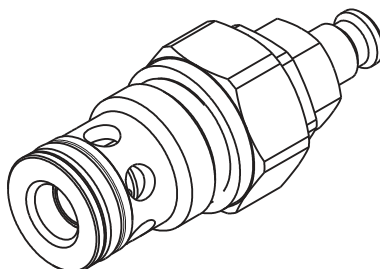
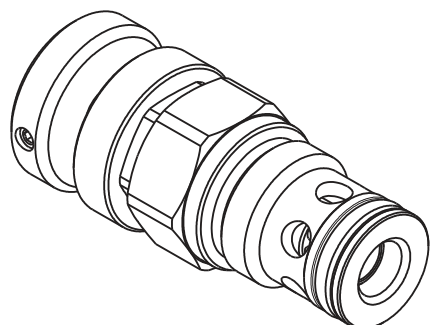
Sigla di ordinazione / Ordering code



For flow diagram see
PRESSURE DROP NEEDLE 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.

Strozzatore a cartuccia
 Needle valve – cartridge type
 mod. ST80-C



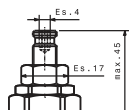
Portata massima Max flow	80 l/min 21 gpm
Pressione massima Max pressure	300 bar 4300 psi
Coppia di serraggio Installation torque	65 ÷ 70 Nm 48 ÷ 52 lb ft

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

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

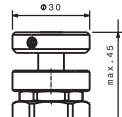
Regolazioni Adjustments

A

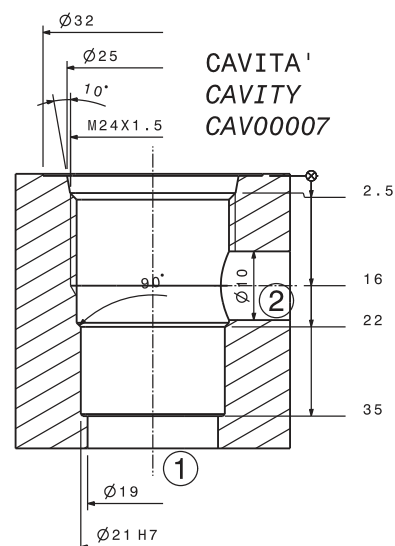
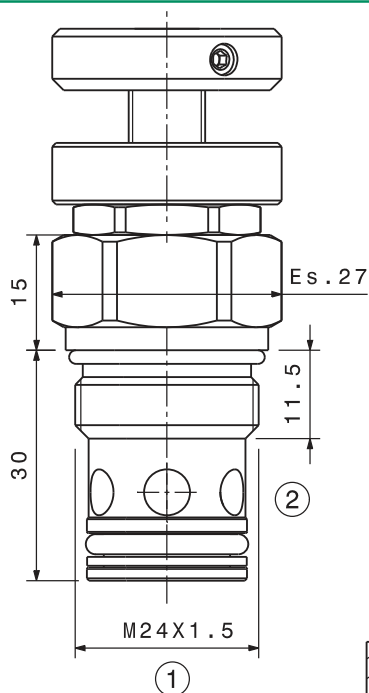


Vite esterna
esagono incassato
Leakproof hex
socket screw

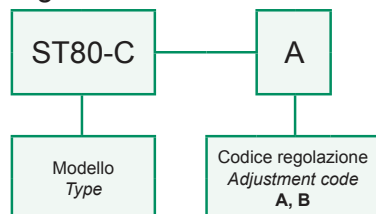
B



Volantino e dado
Handknob and
locknut



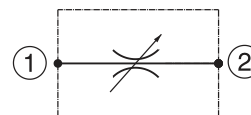
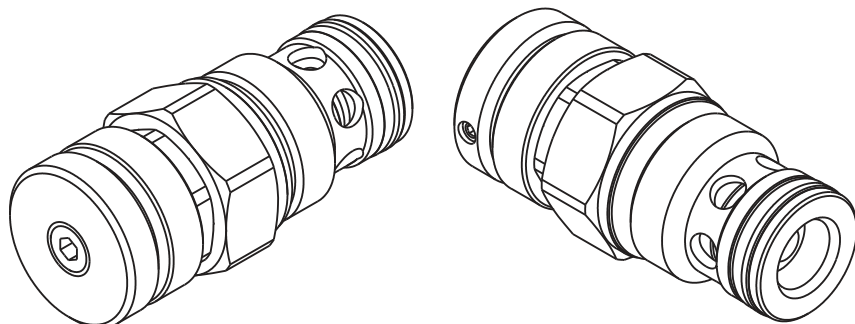
Sigla di ordinazione / Ordering code



For flow diagram see
 PRESSURE DROP NEEDLE 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.

Strozzatore a cartuccia
Needle valve – cartridge type
mod. ST130-C



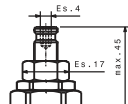
Portata massima <i>Max flow</i>	130 l/min <i>34 gpm</i>
Pressione massima <i>Max pressure</i>	300 bar <i>4300 psi</i>
Coppia di serraggio <i>Installation torque</i>	140 ÷ 160 Nm <i>105 ÷ 120 lb ft</i>

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

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

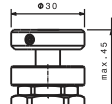
Regolazioni
Adjustments

A

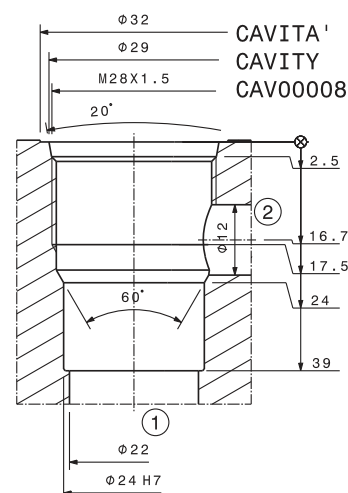
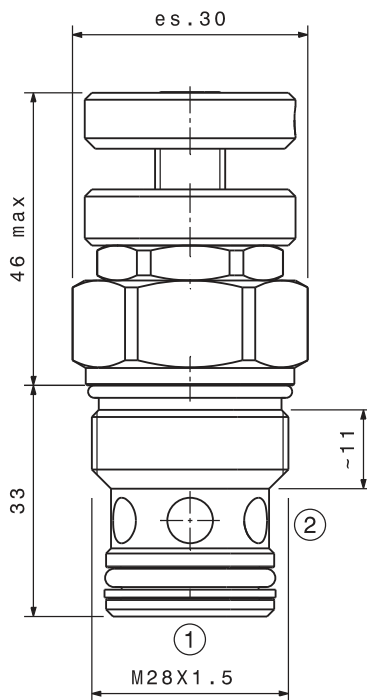


Vite esterna
esagono incassato
*Leakproof hex
socket screw*

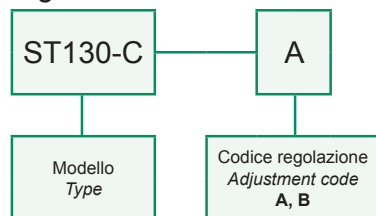
B



Volantino e dado
*Handknob and
locknut*



Sigla di ordinazione / Ordering code

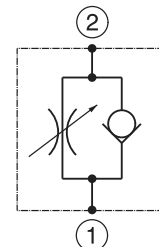
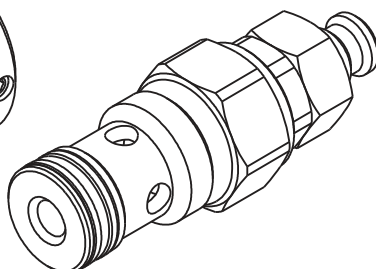
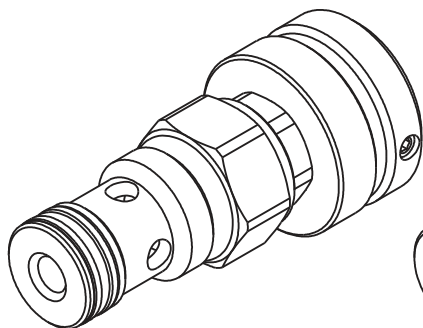


For flow diagram see
PRESSURE DROP NEEDLE VALVE (6)

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.*

Strozzatore unidirezionale a cartuccia
 Needle valve with free flow check – cartridge type

mod. STVU-C

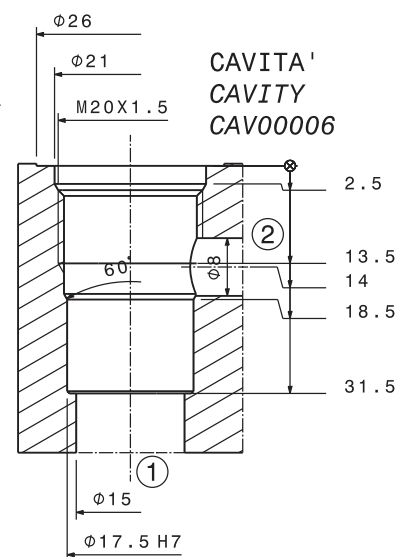
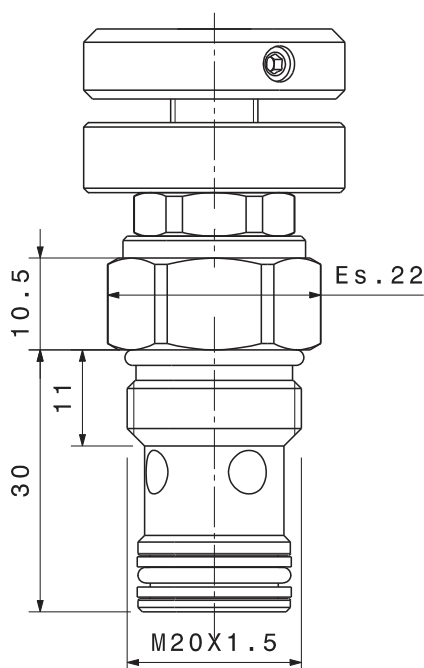


Portata massima Max flow	40 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 22 lbf ft

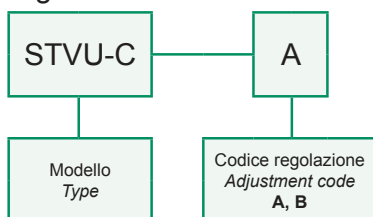
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

Regolazioni Adjustments	
A Vite esterna esagono incassato Leakproof hex socket screw	B Volantino e dado Handknob and locknut



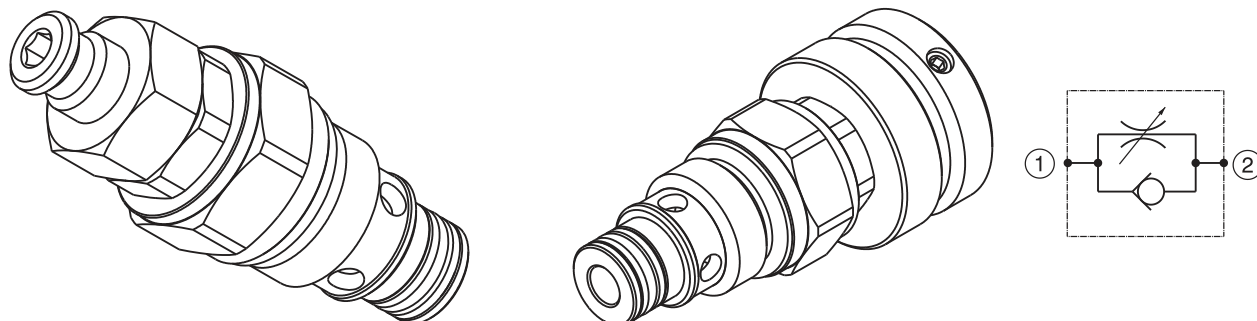
Sigla di ordinazione / Ordering code



For flow diagram see
 PRESSURE DROP NEEDLE 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.

Strozzatore unidirezionale a cartuccia
Needle valve with free flow check – cartridge type
mod. STVU-08-C

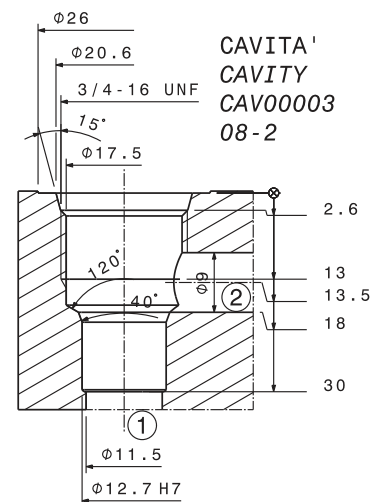
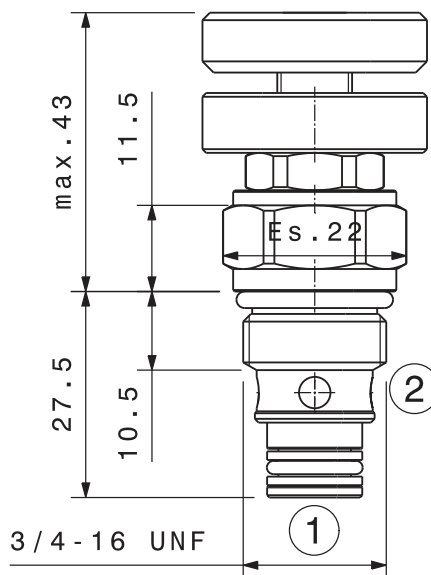
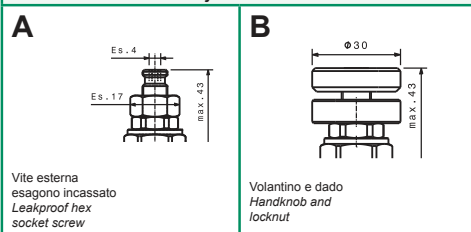


Portata massima <i>Max flow</i>	40 l/min <i>10.5 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Coppia di serraggio <i>Installation torque</i>	27 ÷ 30 Nm <i>20 ÷ 22 lbf ft</i>

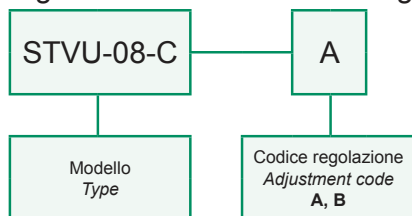
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

Regolazioni
Adjustments



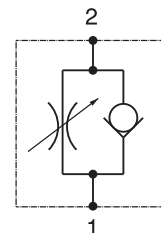
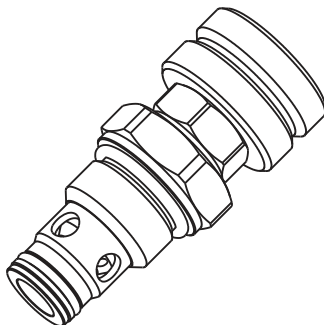
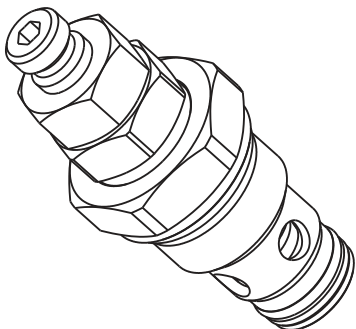
Sigla di ordinazione / Ordering code



For flow diagram see
PRESSURE DROP NEEDLE 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.

Strozzatore unidirezionale a cartuccia
Needle valve with free flow check – cartridge type
mod. STVU-10-C

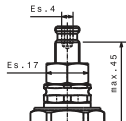


Portata massima <i>Max flow</i>	80 l/min <i>21 gpm</i>
Pressione massima <i>Max pressure</i>	300 bar <i>4300 psi</i>
Coppia di serraggio <i>Installation torque</i>	45 ÷ 50 Nm <i>33 ÷ 37 lb ft</i>

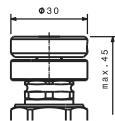
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

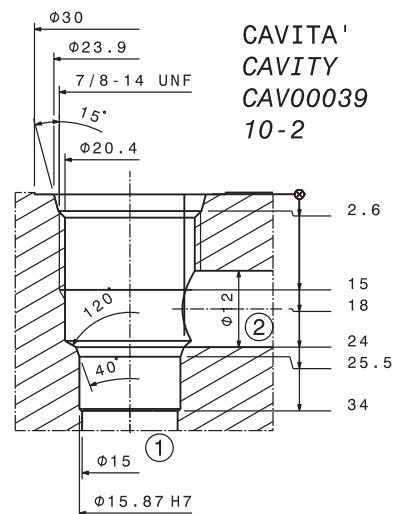
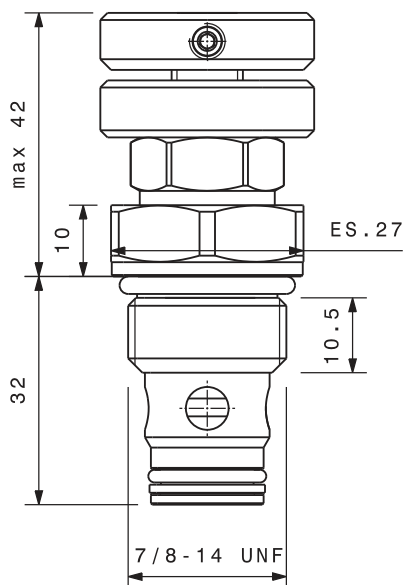
Regolazioni
Adjustments

A


Vite esterna
esagono incassato
*Leakproof hex
socket screw*

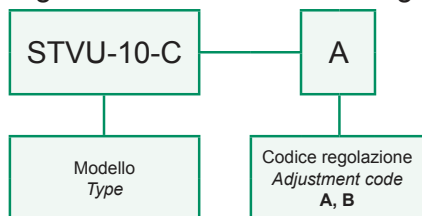
B


Volantino e dado
*Handknob and
locknut*



CAVITA'
CAVITY
CAV00039
10-2

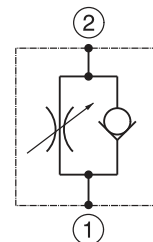
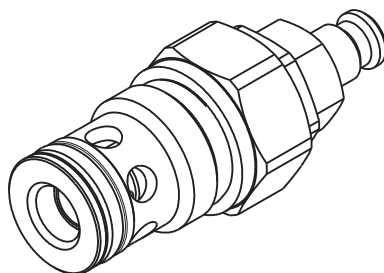
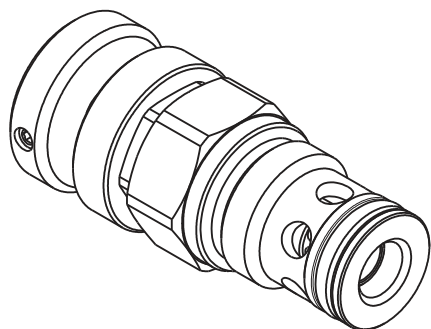
Sigla di ordinazione / Ordering code



For flow diagram see
PRESSURE DROP NEEDLE 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.

Strozzatore unidirezionale a cartuccia
Needle valve with free flow check – cartridge type
mod. ST80VU-C



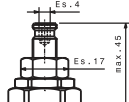
Portata massima <i>Max flow</i>	80 l/min <i>21 gpm</i>
Pressione massima <i>Max pressure</i>	300 bar <i>4300 psi</i>
Coppia di serraggio <i>Installation torque</i>	65 ÷ 70 Nm <i>48 ÷ 52 lb ft</i>

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

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

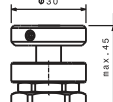
Regolazioni
Adjustments

A



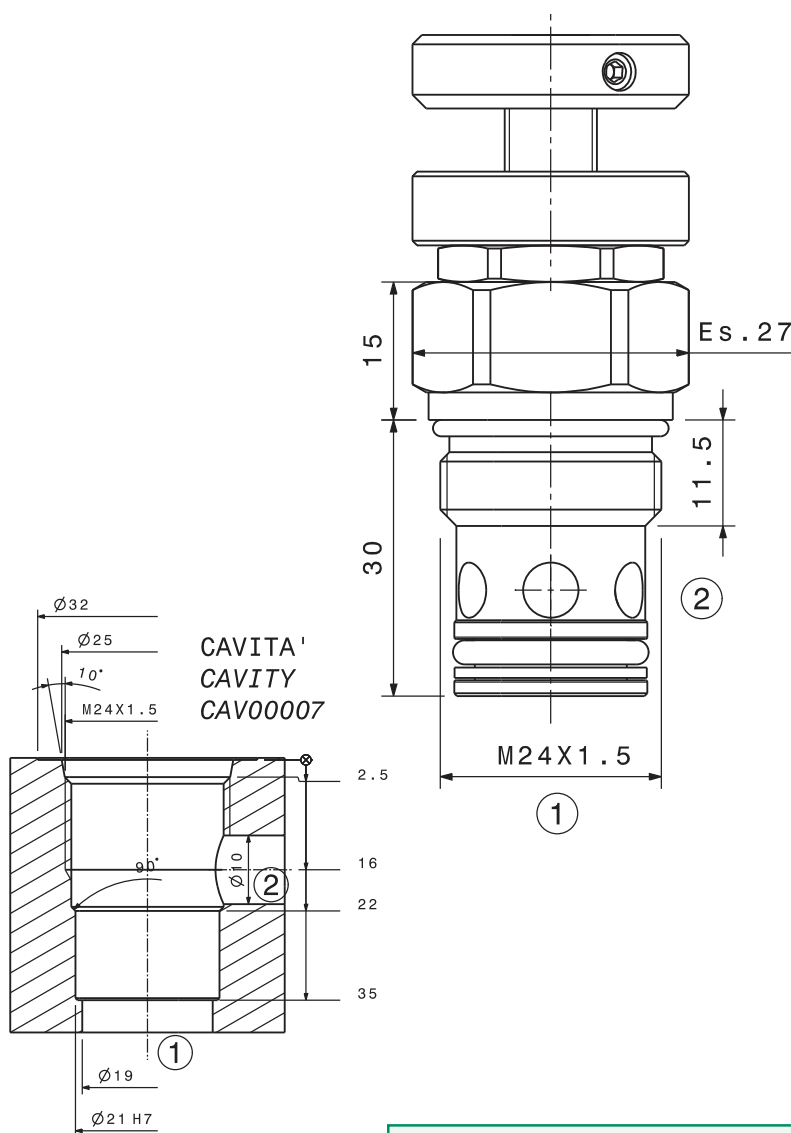
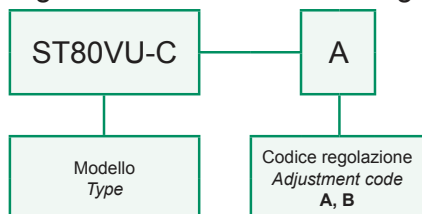
Vite esterna
esagono incassato
*Leakproof hex
socket screw*

B



Volantino e dado
*Handknob and
locknut*

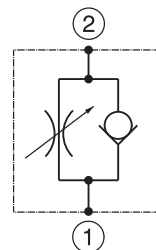
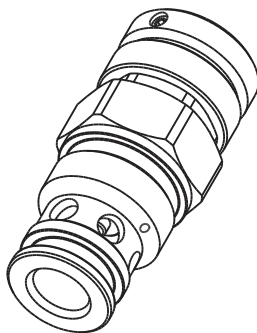
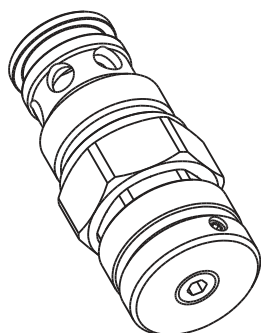
Sigla di ordinazione / Ordering code



For flow diagram see
PRESSURE DROP NEEDLE 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.

Strozzatore unidirezionale a cartuccia
 Needle valve with free flow check – cartridge type
 mod. ST130VU-C



Portata massima Max flow	130 l/min 34 gpm
Pressione massima Max pressure	300 bar 4300 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

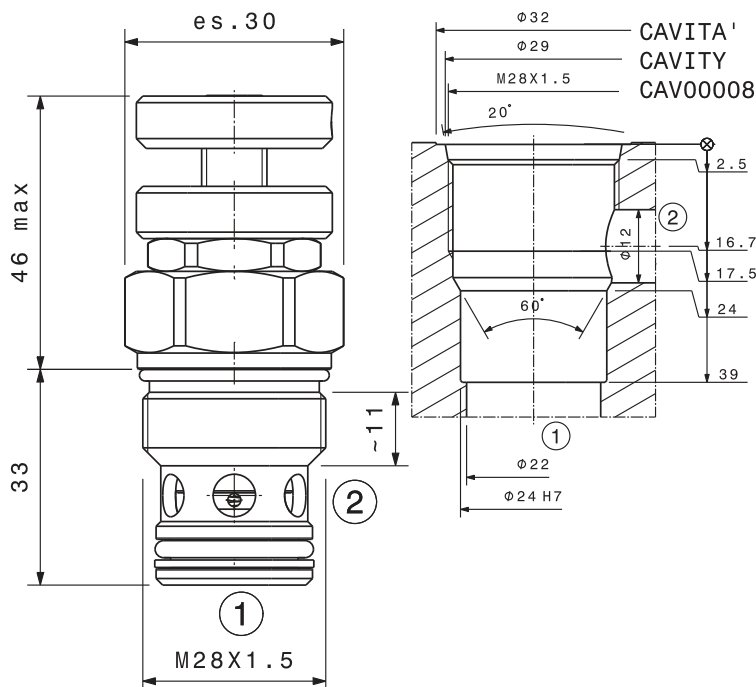
**Regolazioni
Adjustments**

A

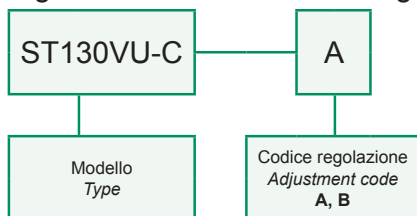
Vite esterna
esagono incassato
Leakproof hex
socket screw

B

Volantino e dado
Handknob and
locknut



Sigla di ordinazione / Ordering code

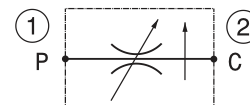
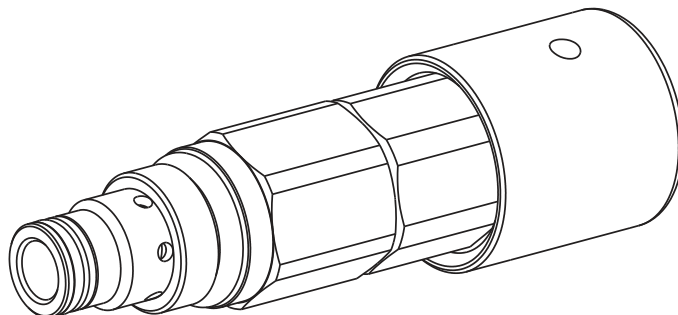


For flow diagram see
 PRESSURE DROP NEEDLE VALVE (11)

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 regolatrice di flusso compensata, due vie, a cartuccia
2 ways, pressure compensated flow regulator valve – cartridge type

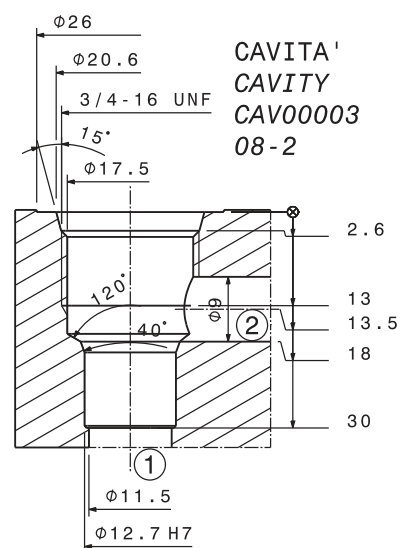
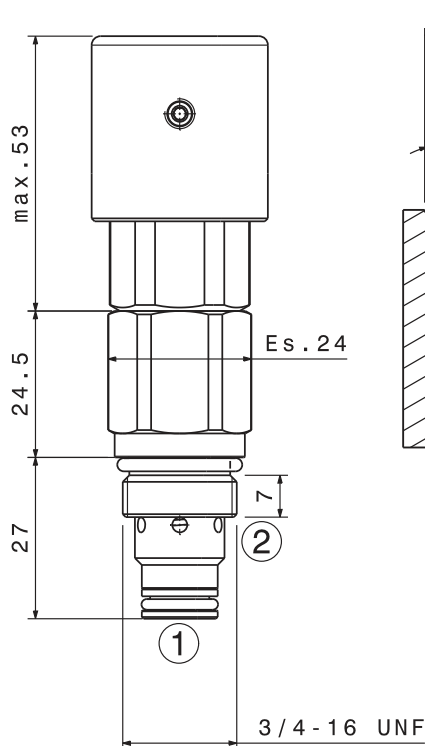
mod. RF2-08-C



Portata massima Max flow	18 l/min 4.75 gpm
Portata regolata Regulated flow	0 ÷ 18 l/min 0 ÷ 4.75 gpm
Portata regolata su richiesta Regulated flow upon request	0 ÷ 10 l/min 0 ÷ 2.6 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

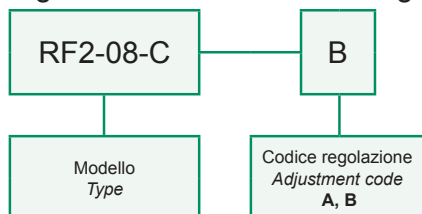
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



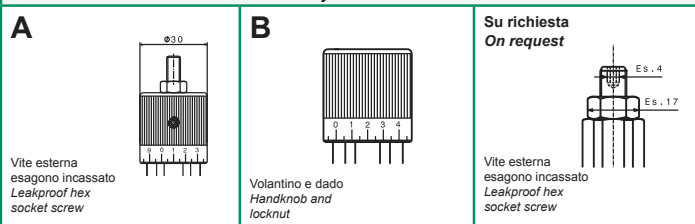
CAVITA'
CAVITY
CAV00003
08-2

For flow diagram see
CURVES OF COMPENSATION 2 WAYS VALVE (1)

Sigla di ordinazione / Ordering code



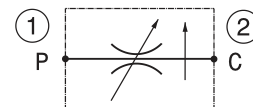
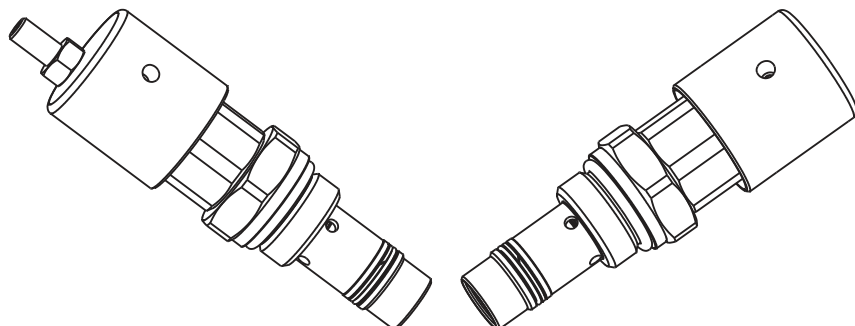
Regolazioni
Adjustments



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 regolatrice di flusso compensata, due vie, a cartuccia
 2 ways, pressure compensated flow regulator valve – cartridge type

mod. RF2-10-C

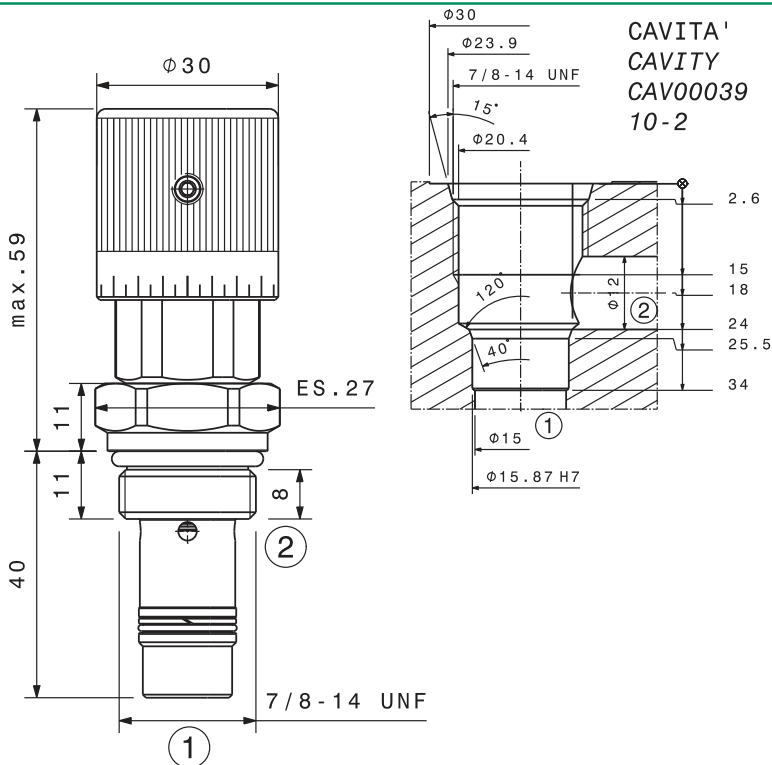


Portata massima Max flow	30 l/min 8 gpm
Portata regolata Regulated flow	0 ÷ 30 l/min 0 ÷ 8 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	40 ÷ 45 Nm 30 ÷ 34 lb ft

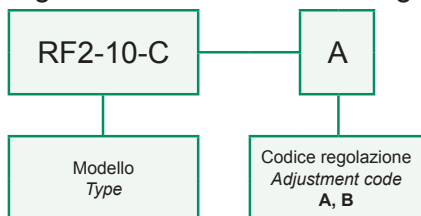
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

Regolazioni Adjustments		
A Manopola con vite di bloccaggio Handknob with locking screw	B Manopola Handknob	Su richiesta On request VEI Vite esterna esagono incassato Leakproof hex socket screw



Sigla di ordinazione / Ordering code

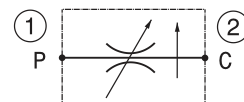
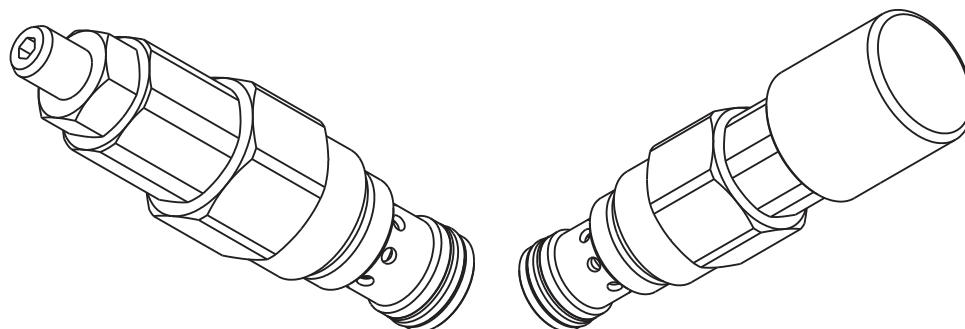


For flow diagram see
 CURVES OF COMPENSATION 2 WAYS VALVE (2)

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 regolatrice di flusso compensata, due vie, a cartuccia
2 ways, pressure compensated flow regulator valve – cartridge type

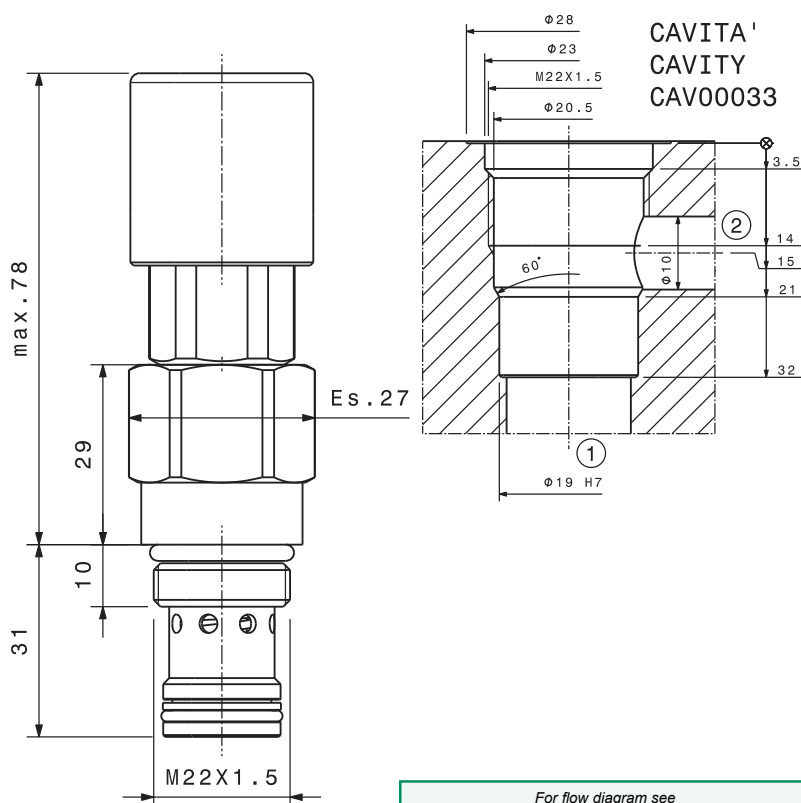
mod. RF2-50-C



Portata massima Max flow	30 l/min 8 gpm
Portata regolata Regulated flow	0 ÷ 30 l/min 0 ÷ 8 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	45 ÷ 50 Nm 34 ÷ 37 lb ft

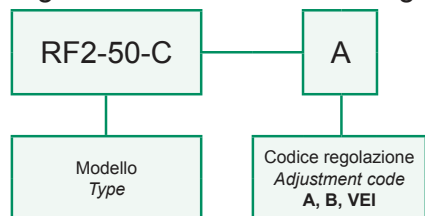
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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



For flow diagram see
CURVES OF COMPENSATION 2 WAYS VALVE (3)

Sigla di ordinazione / Ordering code



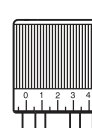
Regolazioni
Adjustments

A



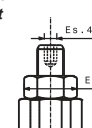
Manopola con vite di bloccaggio
Handknob with locking screw

B



Manopola
Handknob

Su richiesta
On request
VEI

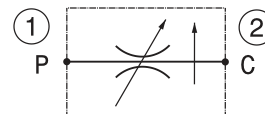
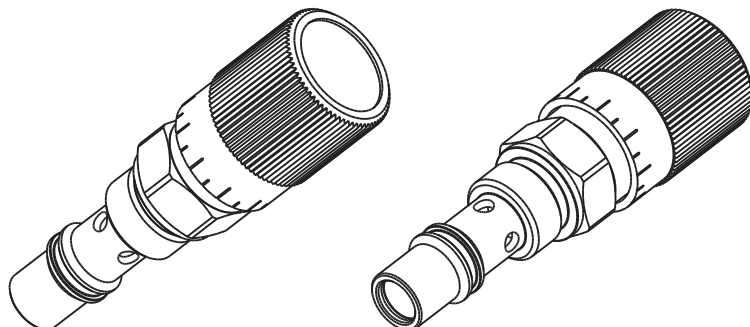


Vite esterna esagono incassato
Leakproof hex socket screw

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 regolatrice di flusso compensata, due vie, a cartuccia
 2 ways, pressure compensated flow regulator valve – cartridge type

mod. RF2-70-27-C



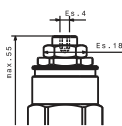
Portata massima Max flow	70 l/min 16 gpm
Portata regolata Regulated flow	0 ÷ 70 l/min 0 ÷ 18.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	80 ÷ 100 Nm 60 ÷ 75 lb ft

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

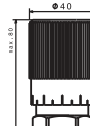
Regolazioni
Adjustments

A

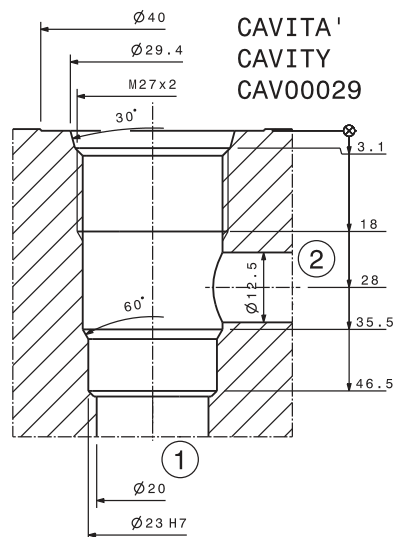
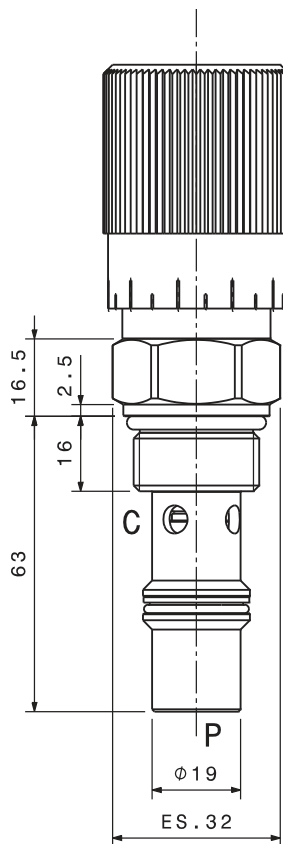


Vite esterna
esagono incassato
Leakproof hex
socket screw

B

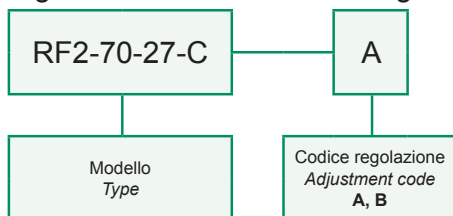


Manopola
Handknob



CAVITA'
CAVITY
CAV00029

Sigla di ordinazione / Ordering code



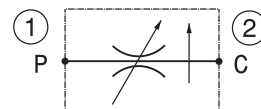
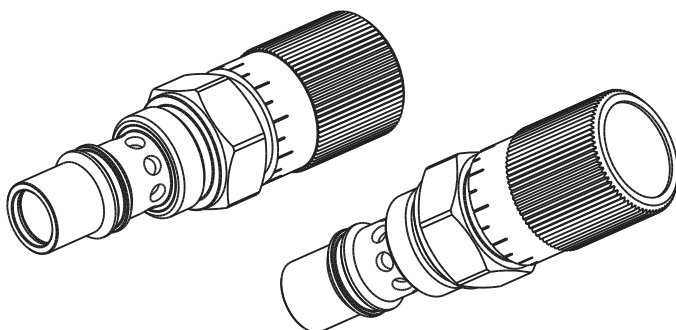
Flusso inverso dalla porta "C" alla porta "P" non è permesso
 Reverse flow from port "C" to port "P" is not permitted

For flow diagram see
 CURVES OF COMPENSATION 2 WAYS 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 regolatrice di flusso compensata, due vie, a cartuccia
2 ways, pressure compensated flow regulator valve – cartridge type

mod. RF2-130-33-C



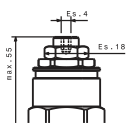
Portata massima <i>Max flow</i>	130 l/min 34 gpm
Portata regolata <i>Regulated flow</i>	0 ÷ 130 l/min 0 ÷ 34 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	180 ÷ 210 Nm 135 ÷ 157 lb ft

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

Viscosità consigliate <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

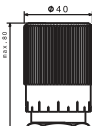
Regolazioni
Adjustments

A

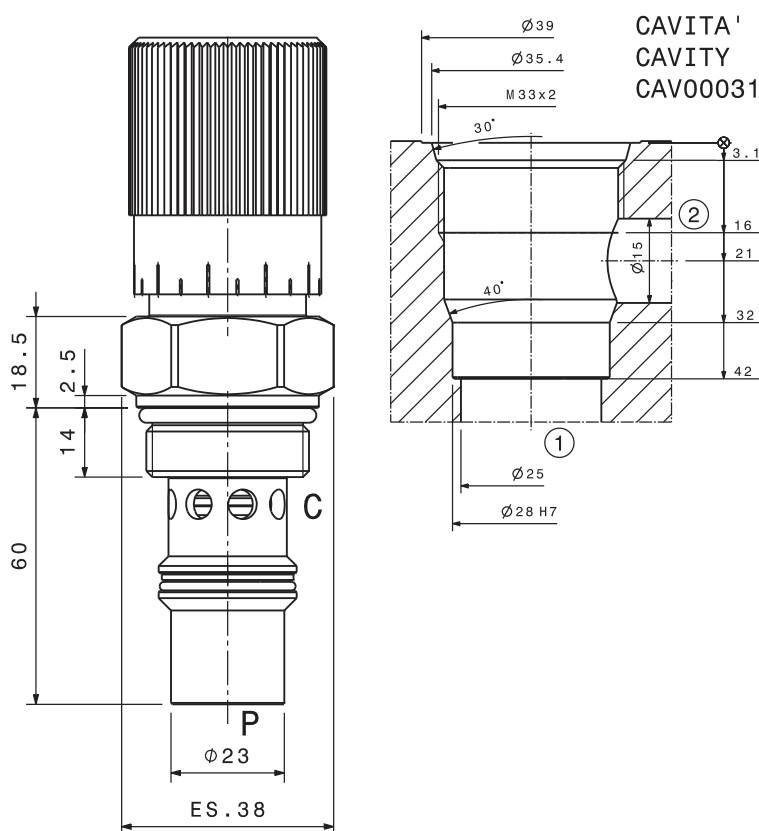


Vite esterna
esagono incassato
*Leakproof hex
socket screw*

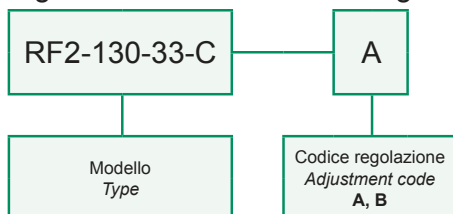
B



Manopola
Handknob



Sigla di ordinazione / Ordering code



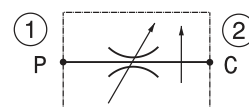
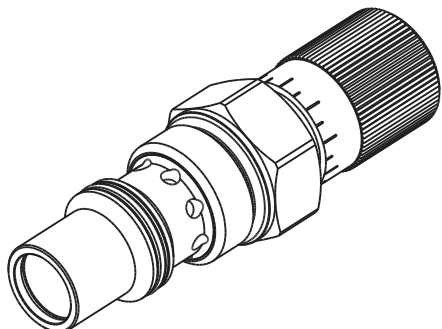
Flusso inverso dalla porta "C" alla porta "P" non è permesso
Reverse flow from port "C" to port "P" is not permitted

For flow diagram see
CURVES OF COMPENSATION 2 WAYS 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 regolatrice di flusso compensata, due vie, a cartuccia
 2 ways, pressure compensated flow regulator valve – cartridge type

mod. RF2-200-42-C



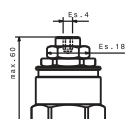
Portata massima Max flow	200 l/min 53 gpm
Portata regolata Regulated flow	0 ÷ 200 l/min 0 ÷ 53 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	220 ÷ 250 Nm 165 ÷ 187 lb ft

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

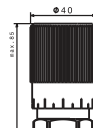
Regolazioni Adjustments

A

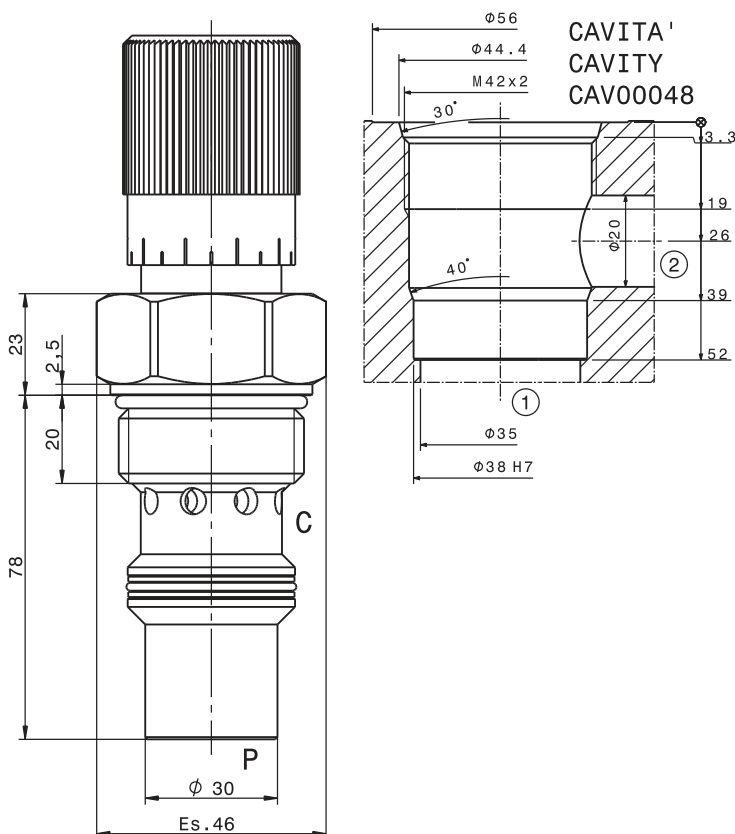


Vite esterna
esagono incassato
Leakproof hex
socket screw

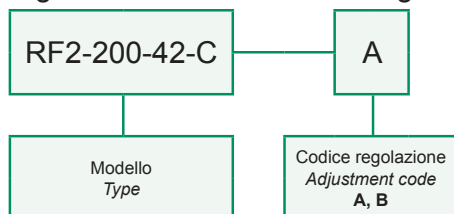
B



Manopola
Handknob



Sigla di ordinazione / Ordering code



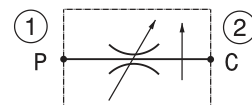
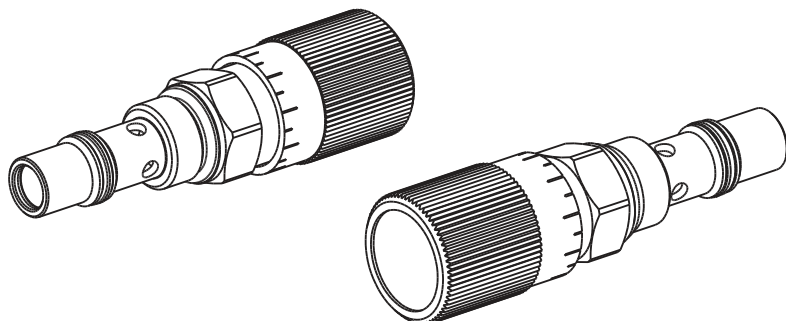
Flusso inverso dalla porta "C" alla porta "P" non è permesso
 Reverse flow from port "C" to port "P" is not permitted

For flow diagram see
 CURVES OF COMPENSATION 2 WAYS 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 regolatrice di flusso compensata, due vie, a cartuccia
2 ways, pressure compensated flow regulator valve – cartridge type

mod. RF2-70-12-C



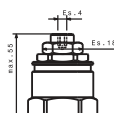
Portata massima Max flow	70 l/min 18.5 gpm
Portata regolata Regulated flow	0 ÷ 70 l/min 0 ÷ 18.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	80 ÷ 100 Nm 60 ÷ 75 lb ft

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

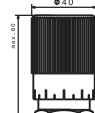
Regolazioni
Adjustments

A

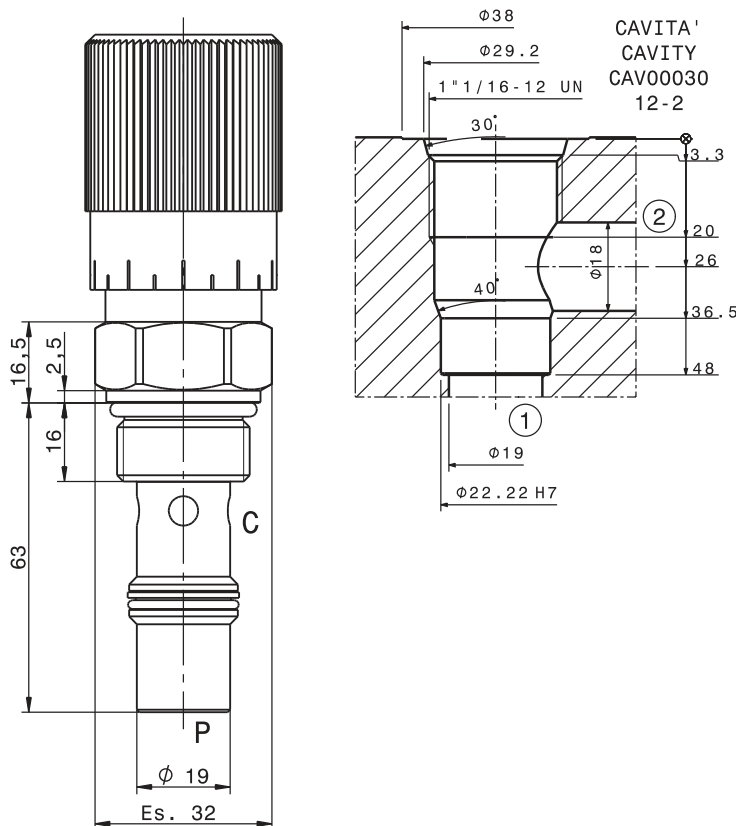


Vite esterna
esagono incassato
Leakproof hex
socket screw

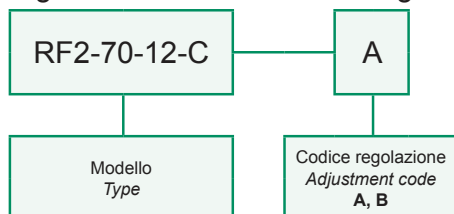
B



Manopola
Handknob



Sigla di ordinazione / Ordering code



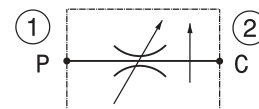
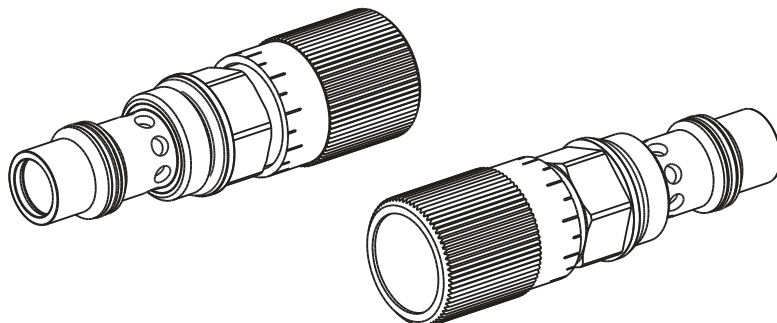
Flusso inverso dalla porta "C" alla porta "P" non è permesso
Reverse flow from port "C" to port "P" is not permitted

For flow diagram see
CURVES OF COMPENSATION 2 WAYS 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 regolatrice di flusso compensata, due vie, a cartuccia
 2 ways, pressure compensated flow regulator valve – cartridge type

mod. RF2-130-16-C



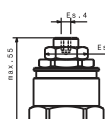
Portata massima Max flow	130 l/min 34 gpm
Portata regolata Regulated flow	0 ÷ 130 l/min 0 ÷ 34 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	180 ÷ 210 Nm 135 ÷ 157 lb ft

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

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

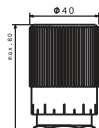
Regolazioni Adjustments

A

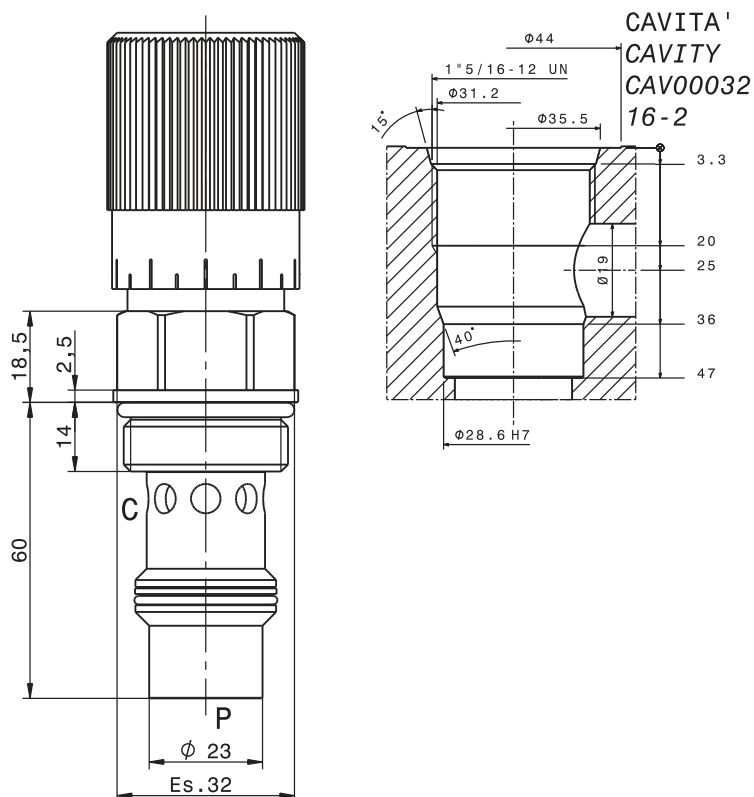


Vite esterna
esagono incassato
Leakproof hex
socket screw

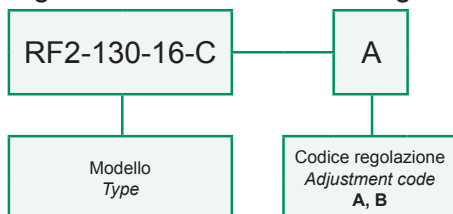
B



Manopola
Handknob



Sigla di ordinazione / Ordering code



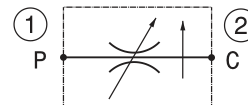
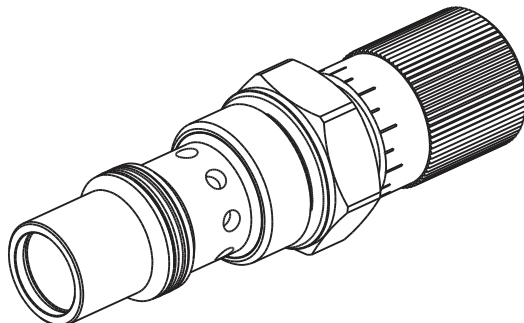
Flusso inverso dalla porta "C" alla porta "P" non è permesso
 Reverse flow from port "C" to port "P" is not permitted

For flow diagram see
 CURVES OF COMPENSATION 2 WAYS 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 regolatrice di flusso compensata, due vie, a cartuccia
2 ways, pressure compensated flow regulator valve – cartridge type

mod. RF2-200-20-C



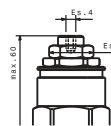
Portata massima <i>Max flow</i>	200 l/min 53 gpm
Portata regolata <i>Regulated flow</i>	0 ÷ 200 l/min 0 ÷ 53 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	220 ÷ 250 Nm 165 ÷ 187 lb ft

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 <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

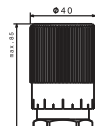
Regolazioni
Adjustments

A

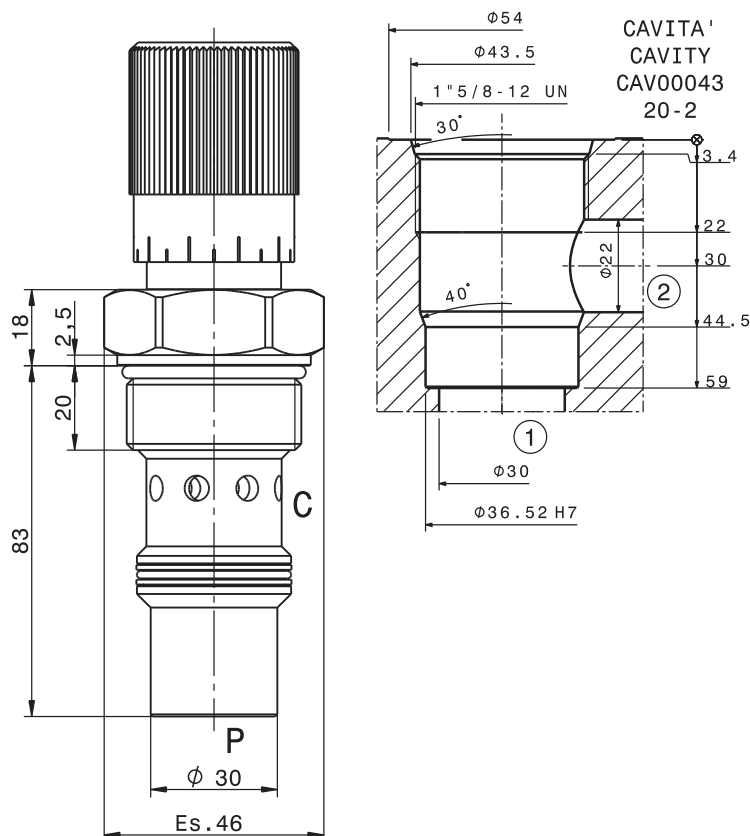


Vite esterna
esagono incassato
*Leakproof hex
socket screw*

B



Manopola
Handknob



Sigla di ordinazione / Ordering code

RF2-200-20-C

A

Modello
Type

Codice regolazione
Adjustment code
A, B

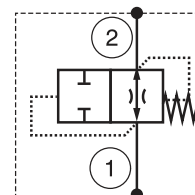
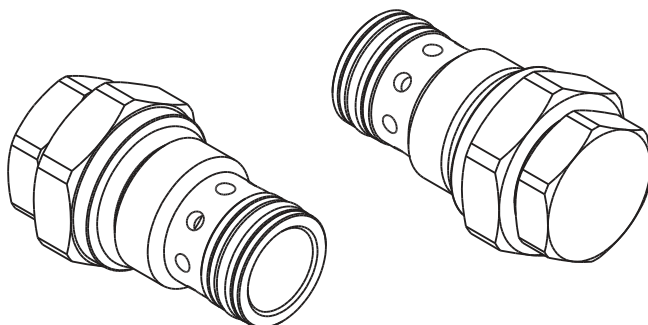
Flusso inverso dalla porta "C" alla porta "P" non è permesso
Reverse flow from port "C" to port "P" is not permitted

For flow diagram see
CURVES OF COMPENSATION 2 WAYS 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.*

Regolatore di flusso 2 vie compensato, regolazione fissa, a cartuccia
Flow regulator, 2 ways, pressure compensated, fixed setting – cartridge type

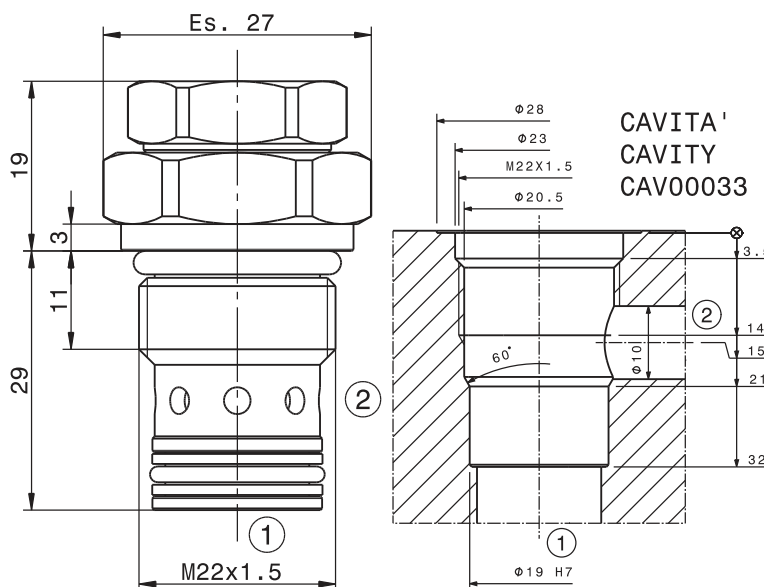
mod. RF2F-22-C



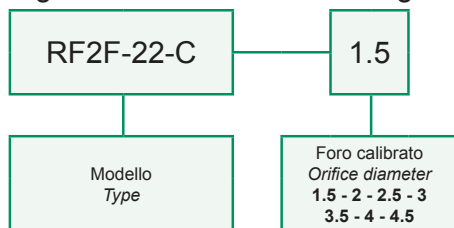
Portata massima Max flow	36 l/min 9.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	45 ÷ 50 Nm 33 ÷ 37 lb ft

Foro calibrato (mm) Orifice diameter (mm)	Portata regolata Regulated flow
1	2 l/min 0,5 gpm
1.5	4 l/min 1,1 gpm
2	7 l/min 1,8 gpm
2.5	10 l/min 2,6 gpm
3	15 l/min 4,0 gpm
3.5	21 l/min 5,5 gpm
4	28 l/min 7,4 gpm
4.5	36 l/min 9,5 gpm

Dati e tarature ottenuti usando olio a 30 cSt a 50°C.
Viscosità raccomandate 10 ÷ 420 cSt. Temperature di lavoro
-20÷+90 °C.
Filtrazione assoluta 25 µ.
Performances and calibrations are carried out by using hydraulic oil
with 30
cSt viscosity at 50°C (122 F). Recommended viscosity 10 ÷ 420 cSt,
working temperature -20÷+90 °C (-4 F÷194 F). Absolute filtration
25 µ.



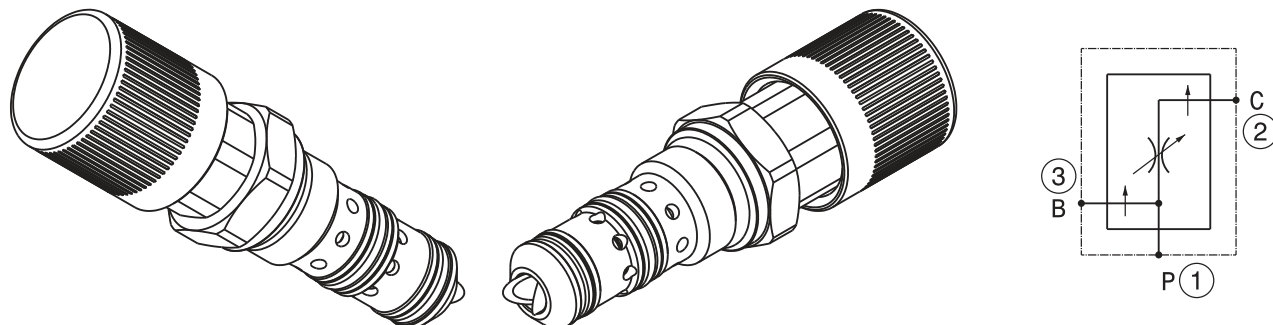
Sigla di ordinazione / Ordering code



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

Valvola regolatrice di flusso compensata, tre vie, a cartuccia
 3 ways, pressure compensated flow regulator valve – cartridge type

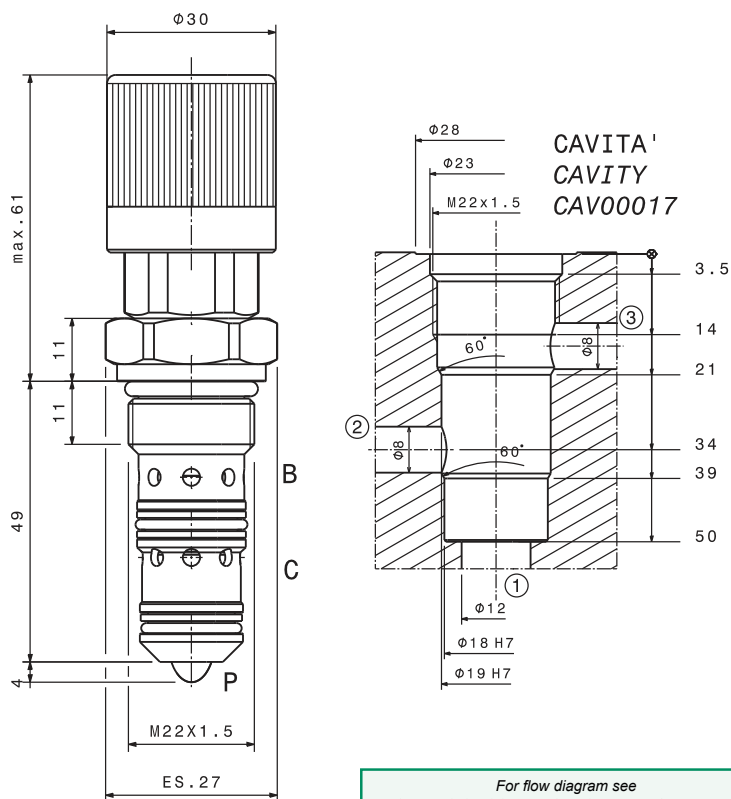
mod. RFP-50-C



Portata massima Max flow	40 l/min 10.5 gpm
Portata regolata Regulated flow	0 ÷ 25 l/min 0 ÷ 6.6 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	45 ÷ 50 Nm 34 ÷ 38 lb ft

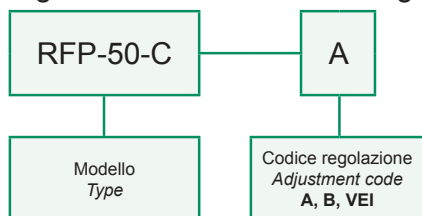
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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



For flow diagram see
 CURVES OF COMPENSATION 3 WAYS VALVE (1)

Sigla di ordinazione / Ordering code

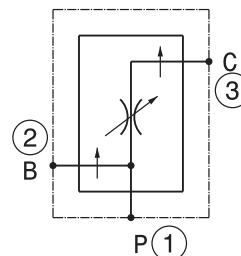
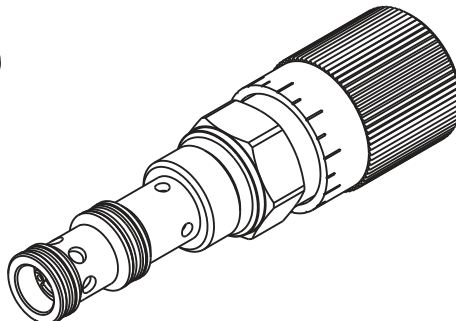
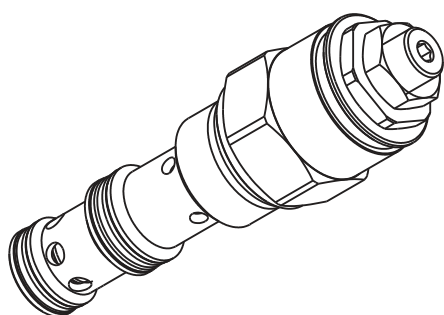


Regolazioni Adjustments		
A Manopola con vite di bloccaggio Handknob with locking screw	B Manopola Handknob	Su richiesta On request VEI Vite esterna esagono incassato Leakproof hex socket screw

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 regolatrice di flusso compensata, tre vie, a cartuccia
3 ways, pressure compensated flow regulator valve – cartridge type

mod. RFP-90-C



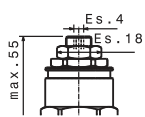
Portata massima Max flow	90 l/min 24 gpm
Portata regolata Regulated flow	2 ÷ 50 l/min 0.5 ÷ 13 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	80 ÷ 100 Nm 60 ÷ 75 lb ft

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

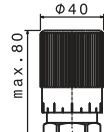
Regolazioni
Adjustments

A

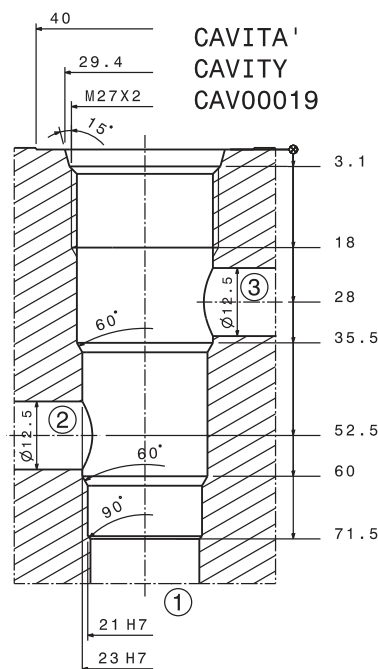
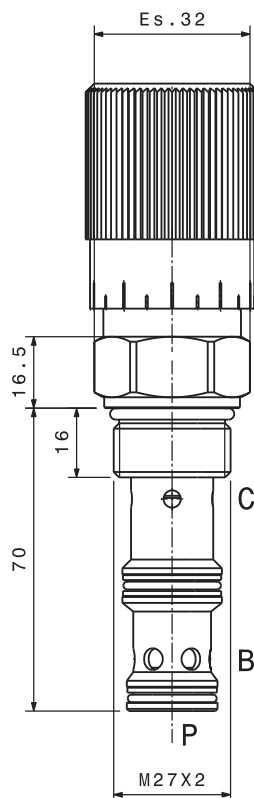


Vite esterna
esagono incassato
Leakproof hex
socket screw

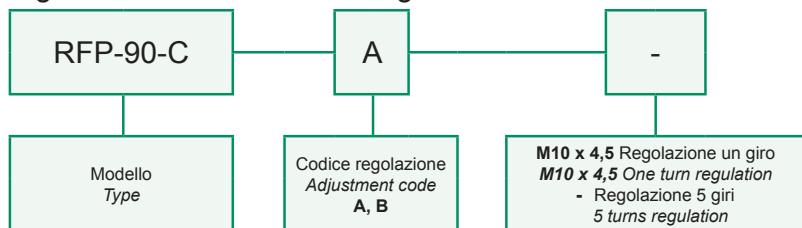
B



Manopola
Handknob



Sigla di ordinazione / Ordering code

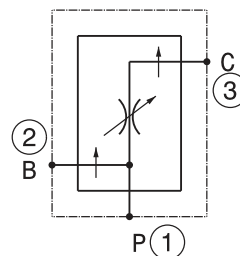
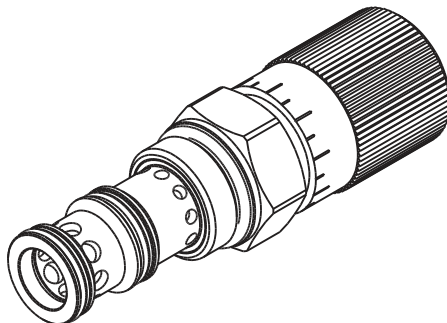


Flusso inverso dalla porta "C" alla porta "P" non è permesso
Reverse flow from port "C" to port "P" is not permitted

For flow diagram see
CURVES OF COMPENSATION 3 WAYS VALVE (2)

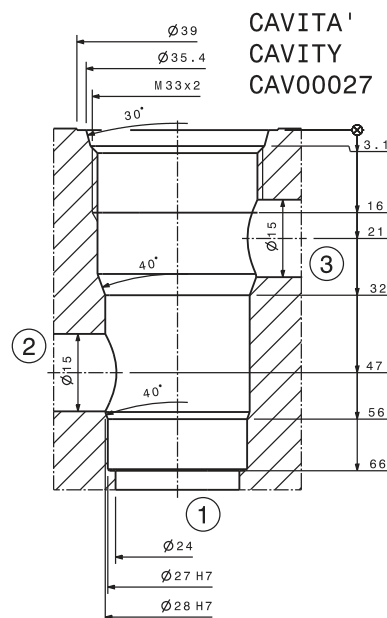
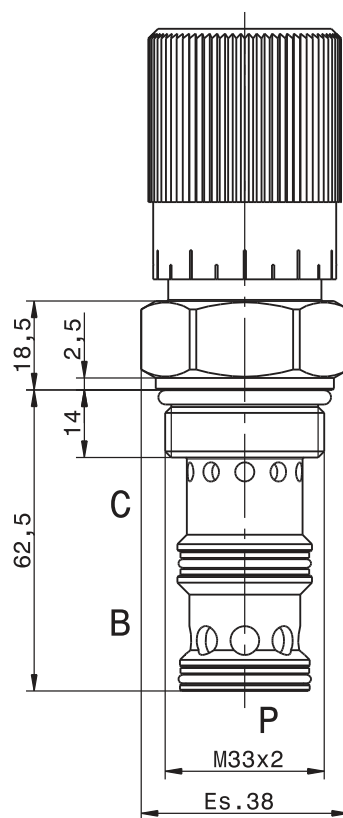
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

mod. RFP-150-33-C



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

Regolazioni <i>Adjustments</i>	
A Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	B Manopola <i>Handknob</i>



A

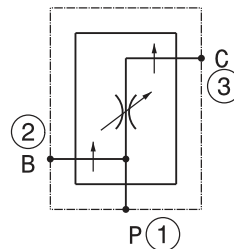
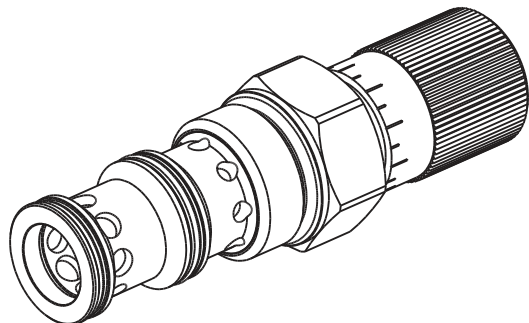
Codice regolazione
Adjustment code
A. B

Flusso inverso dalla porta "C" alla porta "P" non è permesso
Reverse flow from port "C" to port "P" is not permitted

For flow diagram see
CURVES OF COMPENSATION 3 WAYS VALVE (3)

201

Valvola regolatrice di flusso compensata, tre vie, a cartuccia
3 ways, pressure compensated flow regulator valve – cartridge type
 mod. **RFP-250-42-C**



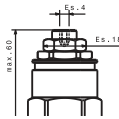
Portata massima <i>Max flow</i>	250 l/min 66 gpm
Portata regolata <i>Regulated flow</i>	5 ÷ 170 l/min 1.3 ÷ 45 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	240 ÷ 260 Nm 180 ÷ 195 lb ft

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

Viscosità consigliate <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

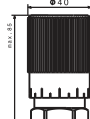
Regolazioni
Adjustments

A

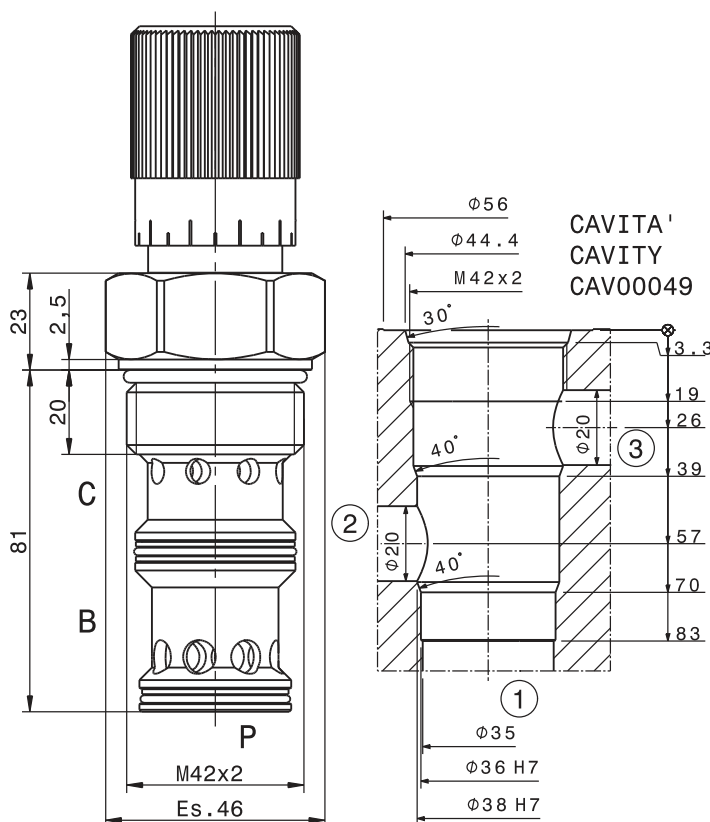


Vite esterna
esagono incassato
*Leakproof hex
socket screw*

B



Manopola
Handknob



Sigla di ordinazione / Ordering code

RFP-250-42-C

A

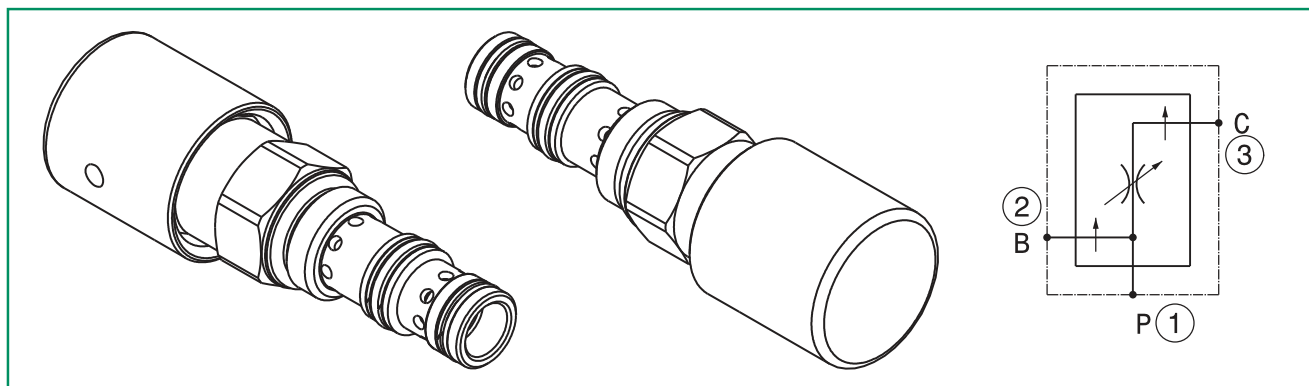
Modello
Type

Codice regolazione
Adjustment code
A, B

Flusso inverso dalla porta "C" alla porta "P" non è permesso
Reverse flow from port "C" to port "P" is not permitted

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.*

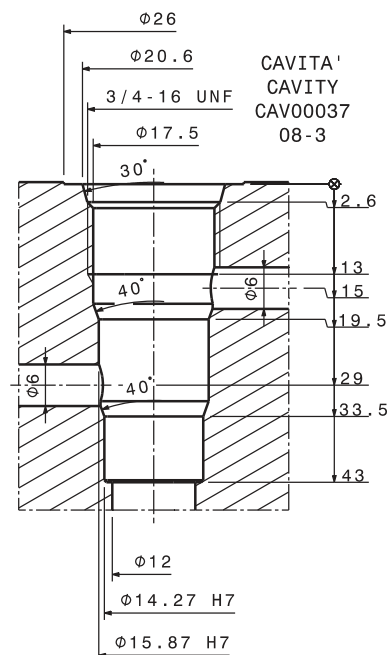
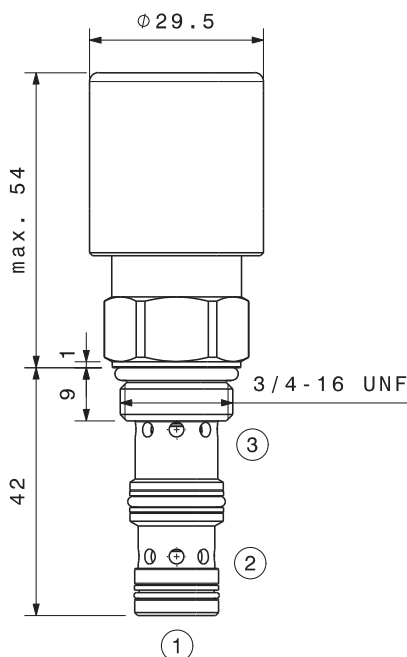
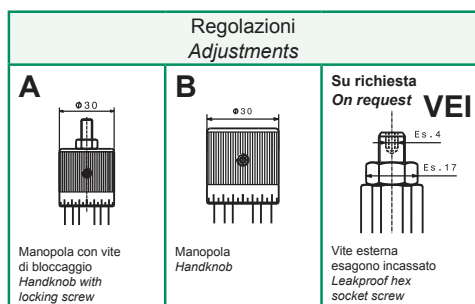
Regolatore di flusso prioritario a tre vie a cartuccia
Pressure compensated 3 ways flow regulator – cartridge type
mod. RFP-08-C



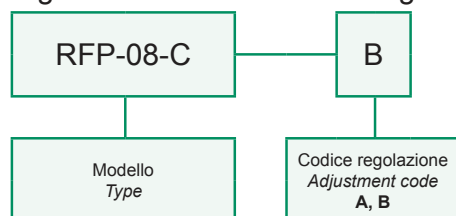
Portata massima <i>Max flow</i>	25 l/min 6.6 gpm
Portata regolata <i>Regulated flow</i>	15 l/min 3.96 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	27 ÷ 30 Nm 20.2 ÷ 22.5 lb ft

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

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

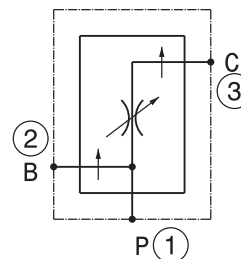
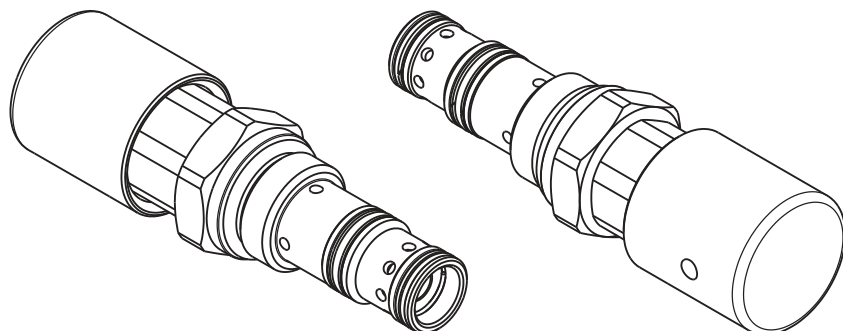


Sigla di ordinazione / Ordering code



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.

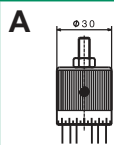
Regolatore di flusso prioritario a tre vie a cartuccia
Pressure compensated 3 ways flow regulator – cartridge type
mod. RFP-10-C



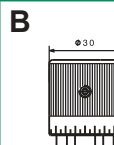
Portata massima <i>Max flow</i>	50 l/min 13 gpm
Portata regolata <i>Regulated flow</i>	Vedi tabella See table
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	40 ÷ 45 Nm 30 ÷ 34 lbf ft

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

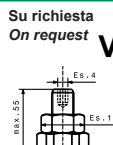
Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Regolazioni
Adjustments

Manopola con vite
di bloccaggio
*Handknob with
locking screw*

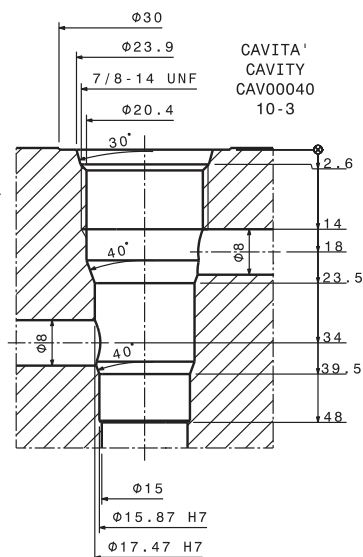
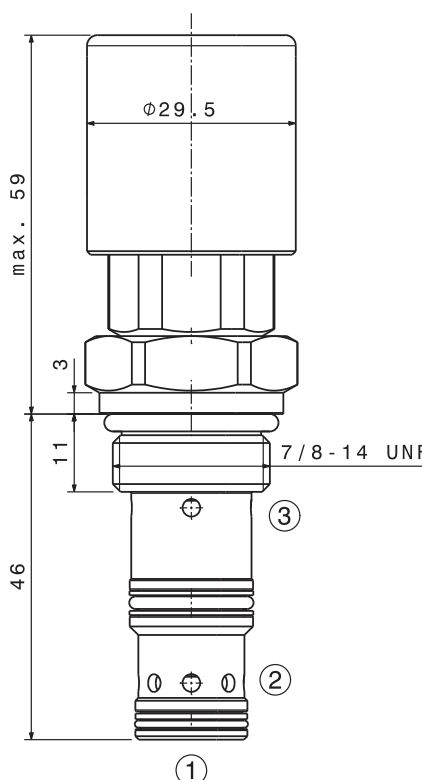


Manopola
Handknob

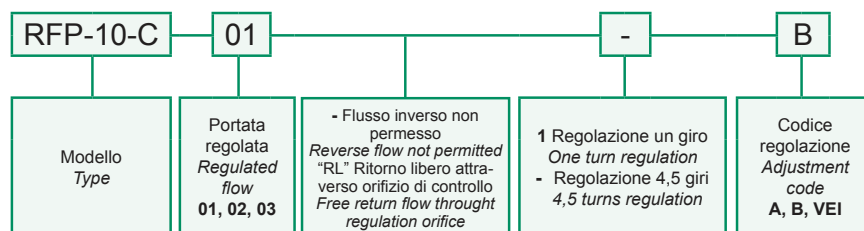


Vite esterna
esagono incassato
*Leakproof hex
socket screw*

VEI



Sigla di ordinazione / Ordering code

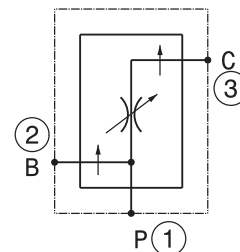
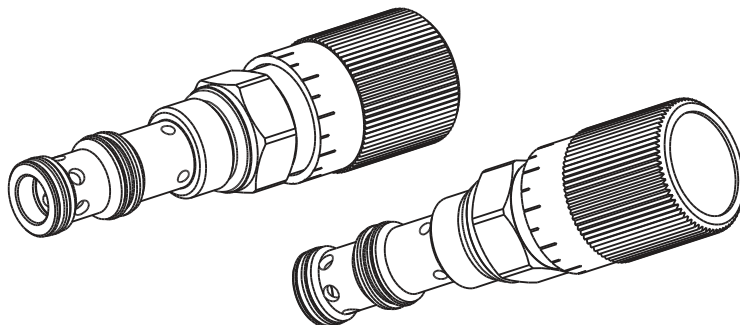


Codice Code	Portata regolata Regulated flow
01	0 ÷ 10 l/min 0 ÷ 2.6 gpm
02	0 ÷ 20 l/min 0 ÷ 5.3 gpm
03	0 ÷ 35 l/min 0 ÷ 9.2 gpm

For flow diagram see
CURVES OF COMPENSATION 3 WAYS 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 regolatrice di flusso compensata, tre vie, a cartuccia
3 ways, pressure compensated flow regulator valve – cartridge type
mod. RFP-90-12-C



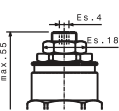
Portata massima Max flow	90 l/min 24 gpm
Portata regolata Regulated flow	2 ÷ 50 l/min 0.5 ÷ 13 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	80 ÷ 100 Nm 60 ÷ 75 lb ft

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

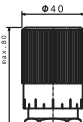
Regolazioni
Adjustments

A

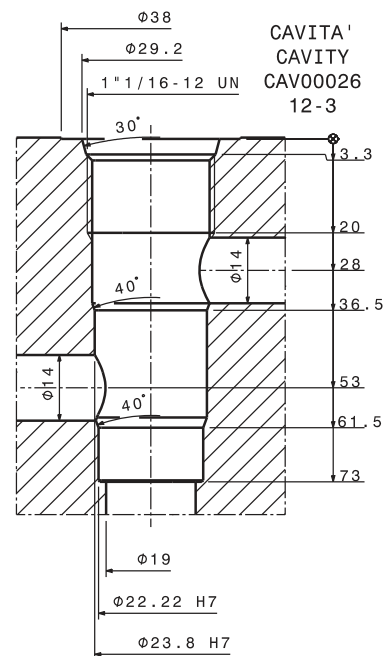
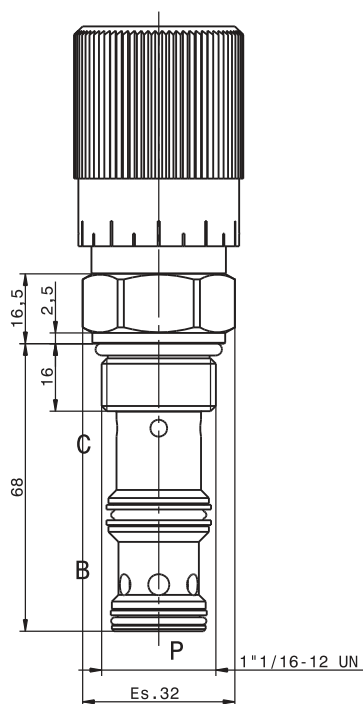


Vite esterna
esagono incassato
Leakproof hex
socket screw

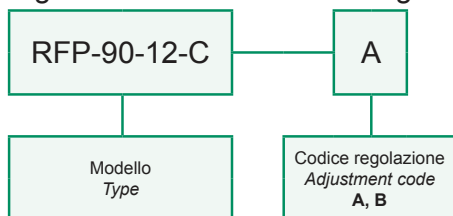
B



Manopola
Handknob



Sigla di ordinazione / Ordering code



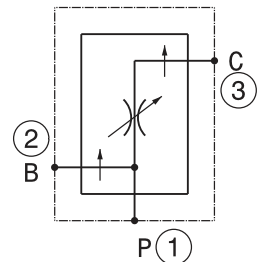
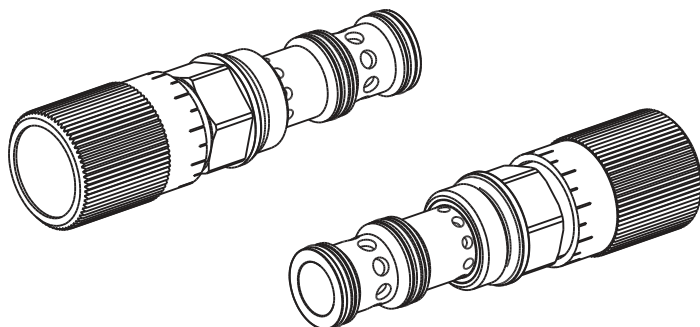
Flusso inverso dalla porta "C" alla porta "P" non è permesso
Reverse flow from port "C" to port "P" is not permitted

For flow diagram see
CURVES OF COMPENSATION 3 WAYS 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 regolatrice di flusso compensata, tre vie, a cartuccia
3 ways, pressure compensated flow regulator valve – cartridge type

mod. RFP-150-16-C



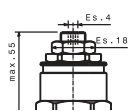
Portata massima Max flow	150 l/min 40 gpm
Portata regolata Regulated flow	5 ÷ 100 l/min 1.3 ÷ 26 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	180 ÷ 210 Nm 135 ÷ 157 lb ft

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

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

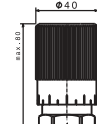
Regolazioni
Adjustments

A

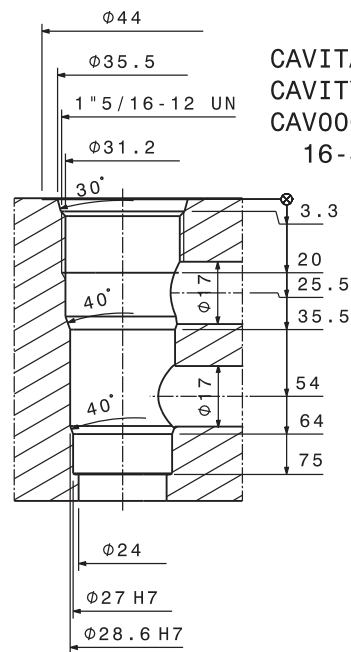
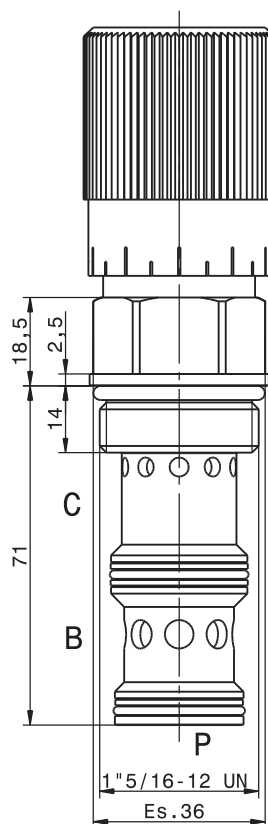


Vite esterna
esagono incassato
Leakproof hex
socket screw

B

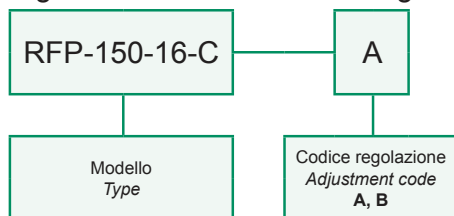


Manopola
Handknob



CAVITA'
CAVITY
CAV00028
16-3

Sigla di ordinazione / Ordering code



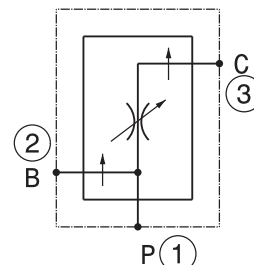
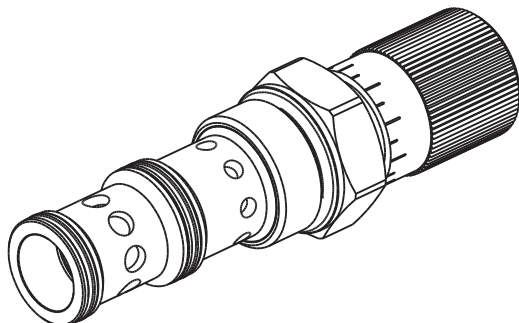
Flusso inverso dalla porta "C" alla porta "P" non è permesso
Reverse flow from port "C" to port "P" is not permitted

For flow diagram see
CURVES OF COMPENSATION 3 WAYS 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 regolatrice di flusso compensata, tre vie, a cartuccia
3 ways, pressure compensated flow regulator valve – cartridge type

mod. RFP-250-20-C



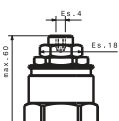
Portata massima Max flow	250 l/min 66 gpm
Portata regolata Regulated flow	5 ÷ 170 l/min 1.3 ÷ 45 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	240 ÷ 260 Nm 180 ÷ 195 lb ft

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

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

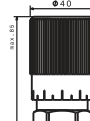
Regolazioni
Adjustments

A

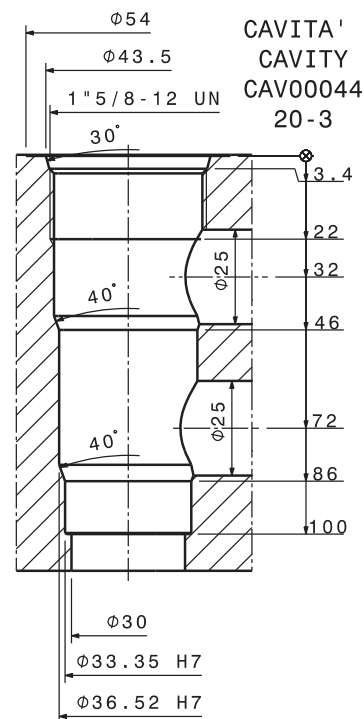
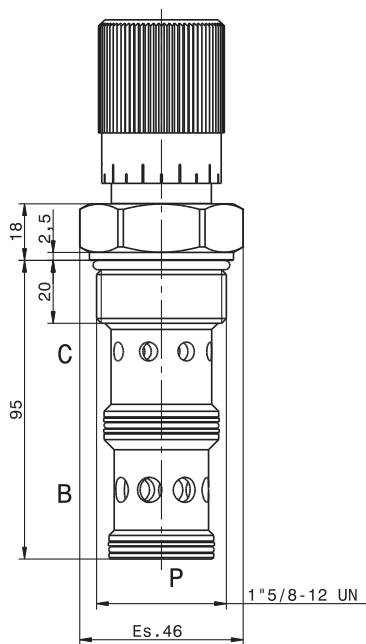


Vite esterna
esagono incassato
Leakproof hex
socket screw

B

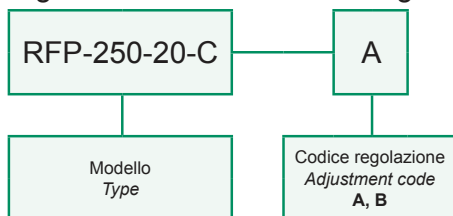


Manopola
Handknob



CAVITA'
CAVITY
CAV00044
20-3

Sigla di ordinazione / Ordering code

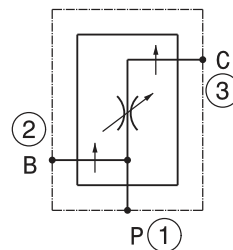
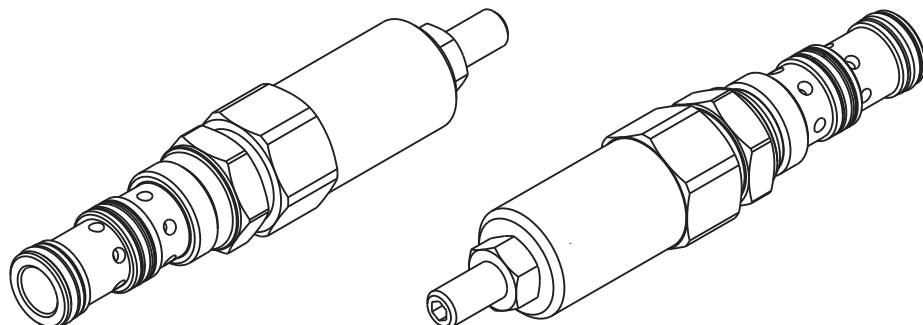


Flusso inverso dalla porta "C" alla porta "P" non è permesso
Reverse flow from port "C" to port "P" is not permitted

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 regolatrice di flusso compensata, tre vie, a cartuccia
 3 ways, pressure compensated flow regulator valve – cartridge type

mod. RF-C3

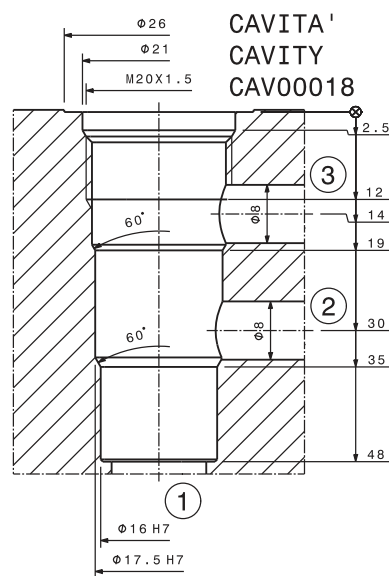
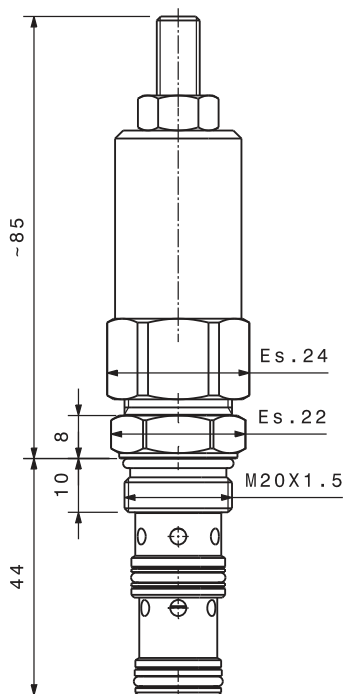


Portata massima Max flow	40 l/min 10.5 gpm
Portata regolata Regulated flow	2 ÷ 35 l/min 0.5 ÷ 9 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 23 lbf ft

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

Codice Code	Campo di portata Flow range
01	2 ÷ 6 l/min 0.5 ÷ 1.6 gpm
02	5 ÷ 10 l/min 1.3 ÷ 2.7 gpm
03	10 ÷ 18 l/min 2.7 ÷ 4.8 gpm
04	20 ÷ 35 l/min 5.3 ÷ 9 gpm



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

Sigla di ordinazione / Ordering code

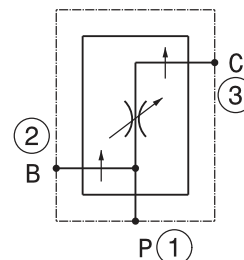
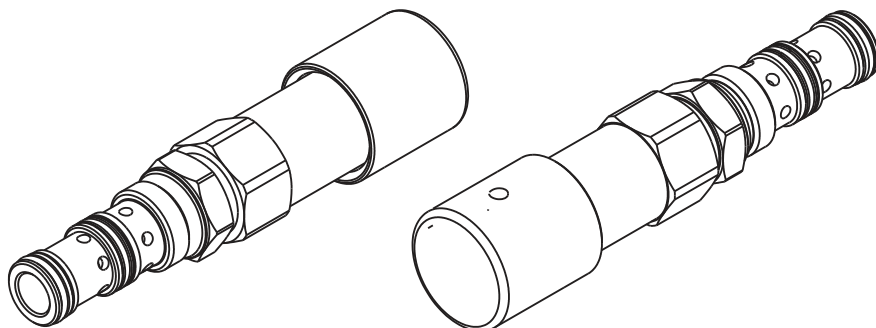
RF-C3	02	A
Modello Type	Campo di portata Flow range 01, 02, 03, 04	Codice regolazione Adjustment code A, B, C, D

For flow diagram see
 CURVES OF COMPENSATION 3 WAYS 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 regolatrice di flusso compensata, tre vie con manopola di regolazione, a cartuccia
3 ways, pressure compensated flow regulator valve with handknob – cartridge type

mod. RF-C3-M

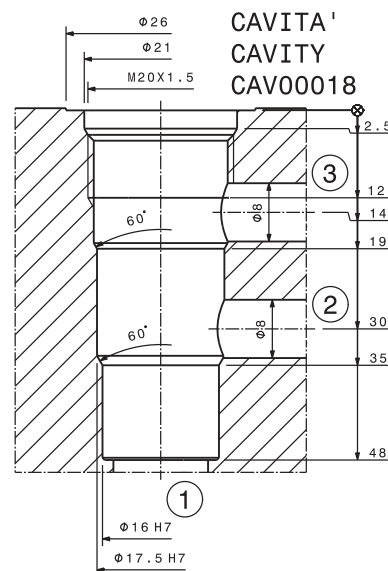
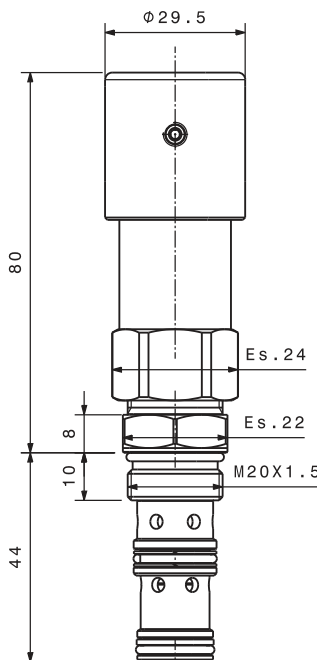


Portata massima Max flow	40 l/min 10.5 gpm
Portata regolata Regulated flow	2 ÷ 35 l/min 0.5 ÷ 9 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 23 lbf ft

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

Codice Code	Campo di portata Flow range
01	2 ÷ 6 l/min 0.5 ÷ 1.6 gpm
02	5 ÷ 10 l/min 1.3 ÷ 2.7 gpm
03	10 ÷ 18 l/min 2.7 ÷ 4.8 gpm
04	20 ÷ 35 l/min 5.3 ÷ 9 gpm



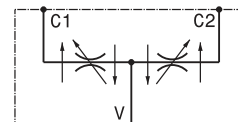
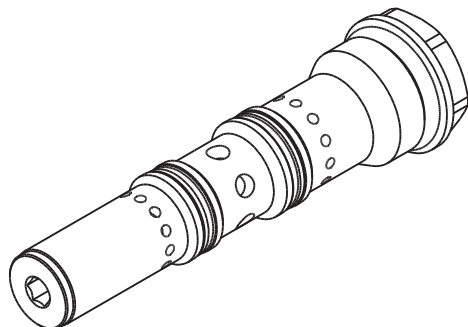
Sigla di ordinazione / Ordering code

RF-C3	02	M
Modello Type	Campo di portata Flow range 01, 02, 03, 04	Codice regolazione Adjustment code M

For flow diagram see
CURVES OF COMPENSATION 3 WAYS 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.

Divisore – riunificatore di flusso a cartuccia
 Flow divider combiner – cartridge type
 mod. DFR-C

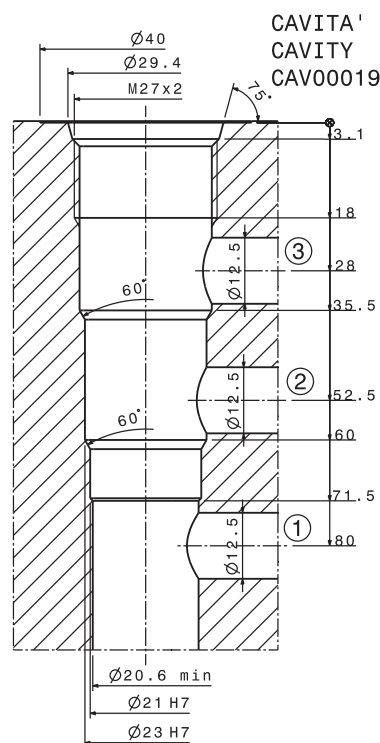
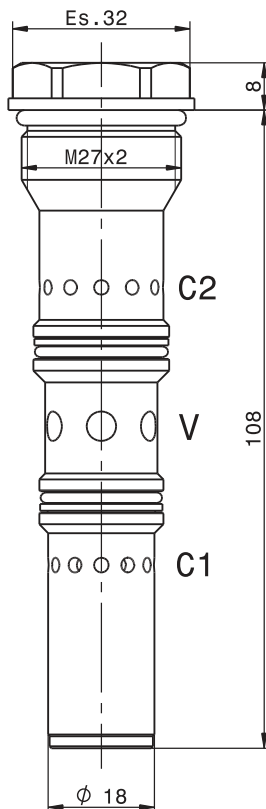


Portata massima Max flow	70 l/min 18.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	80 ÷ 100 Nm 60 ÷ 75 lbf ft
Errore max di divisione Flow accuracy of inlet flow	± 3%

Dati e tarature ottenuti usando olio con viscosità 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

Codice Code	Campo di portata Flow range
01	3 ÷ 6 l/min 0.8 ÷ 1.6 gpm
02	7 ÷ 12 l/min 1.8 ÷ 3.2 gpm
03	13 ÷ 25 l/min 3.4 ÷ 6.6 gpm
04	26 ÷ 40 l/min 6.9 ÷ 10.5 gpm
05	40 ÷ 70 l/min 10.5 ÷ 18.5 gpm



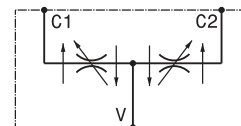
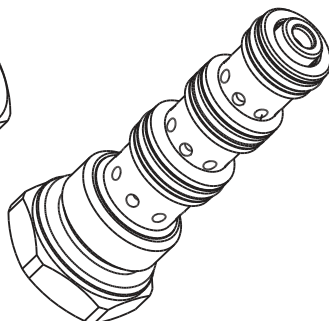
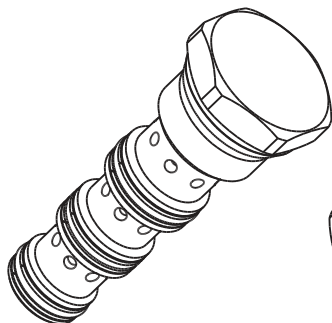
Sigla di ordinazione / Ordering code

DFR-C	02
Modello Type	Campo di portata Flow range 01, 02, 03, 04, 05

For flow diagram see
 PRESSURE DROP FLOW DIVIDER (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.

Divisore – riunificatore di flusso a cartuccia
 Flow divider combiner – cartridge type
 mod. DFR-10-C

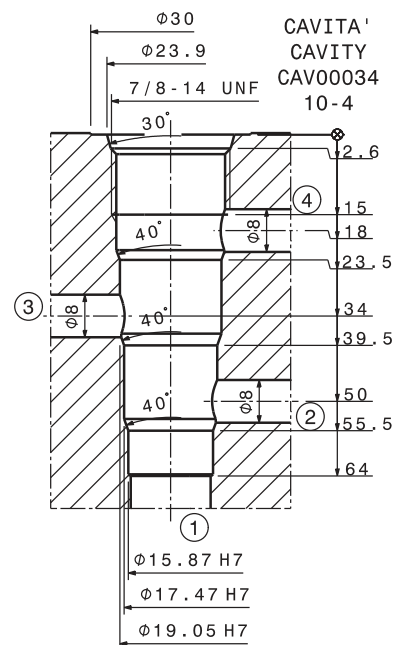
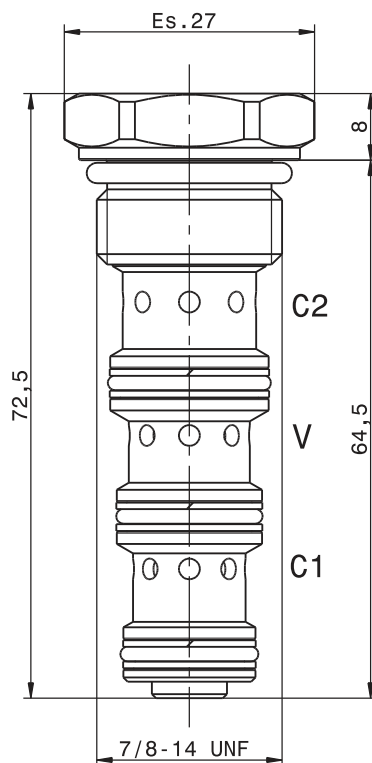


Portata massima Max flow	60 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	35 ÷ 40 Nm 26 ÷ 30 lbf ft
Errore max di divisione Flow accuracy of inlet flow	± 3%

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

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

Codice Code	Campo di portata Flow range
01	2 ÷ 4 l/min 0.5 ÷ 1 gpm
02	4 ÷ 7 l/min 1 ÷ 1.8 gpm
03	7 ÷ 12 l/min 1.8 ÷ 3.2 gpm
04	10 ÷ 16 l/min 2.7 ÷ 4.2 gpm
05	15 ÷ 25 l/min 4 ÷ 6.6 gpm
06	25 ÷ 40 l/min 6.6 ÷ 10.5 gpm
07	40 ÷ 60 l/min 10.5 ÷ 15.8 gpm



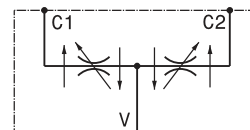
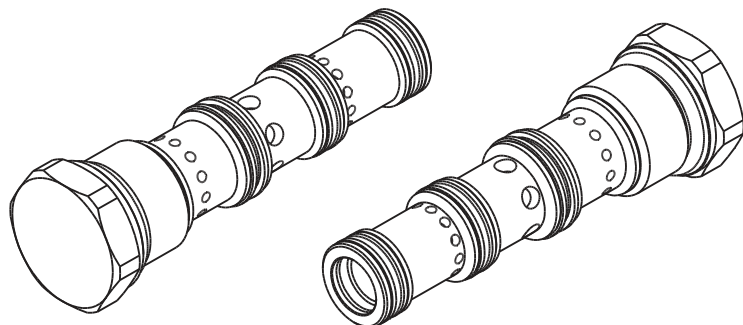
Sigla di ordinazione / Ordering code

DFR-10-C	02
Modello Type	Campo di portata Flow range 01, 02, 03, 04, 05, 06, 07

For flow diagram see
 PRESSURE DROP FLOW DIVIDER (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.

Divisore – riunificatore di flusso a cartuccia *Flow divider combiner – cartridge type* mod. DFR-12-C

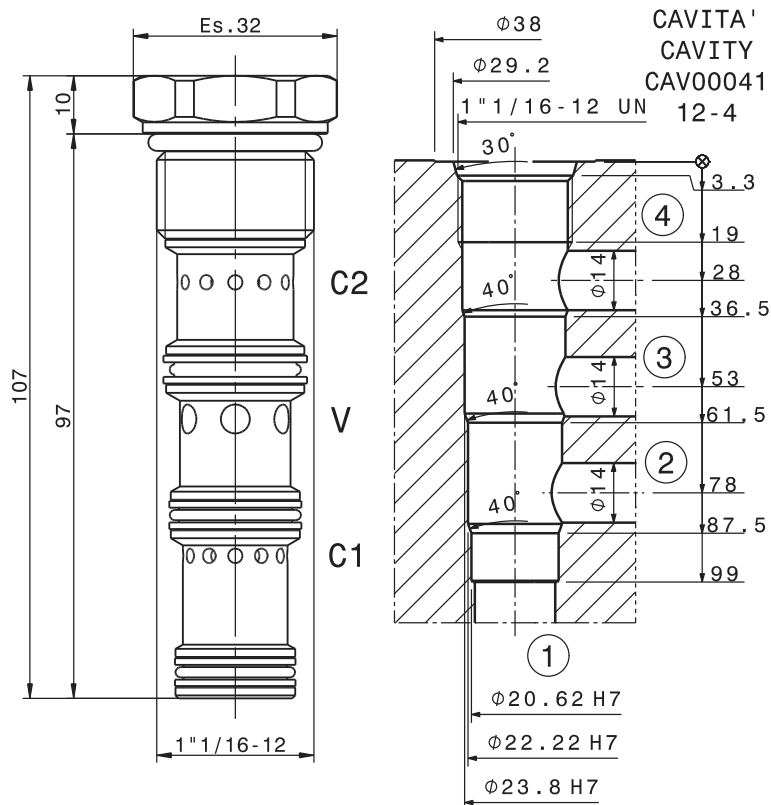


Portata massima <i>Max flow</i>	70 l/min <i>18.5 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Coppia di serraggio <i>Installation torque</i>	80 ÷ 100 Nm <i>60 ÷ 75 lbf ft</i>
Errore max di divisione <i>Flow accuracy of inlet flow</i>	± 3%

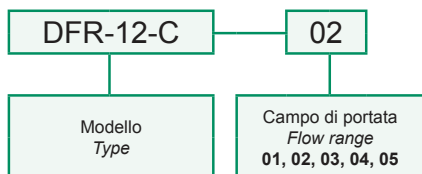
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil
with 30 cSt viscosity at 50°C

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

Codice <i>Code</i>	Campo di portata <i>Flow range</i>
01	3 ÷ 6 l/min <i>0.8 ÷ 1.6 gpm</i>
02	7 ÷ 12 l/min <i>1.8 ÷ 3.2 gpm</i>
03	13 ÷ 25 l/min <i>3.4 ÷ 6.6 gpm</i>
04	26 ÷ 40 l/min <i>6.9 ÷ 10.5 gpm</i>
05	40 ÷ 70 l/min <i>10.5 ÷ 18.5 gpm</i>

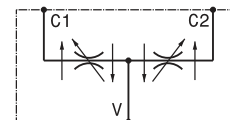
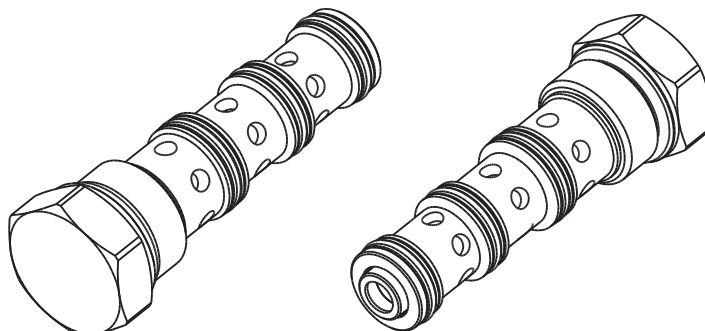


Sigla di ordinazione / Ordering code



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

Divisore – riunificatore di flusso a cartuccia
Flow divider combiner – cartridge type
mod. DFR-16-C

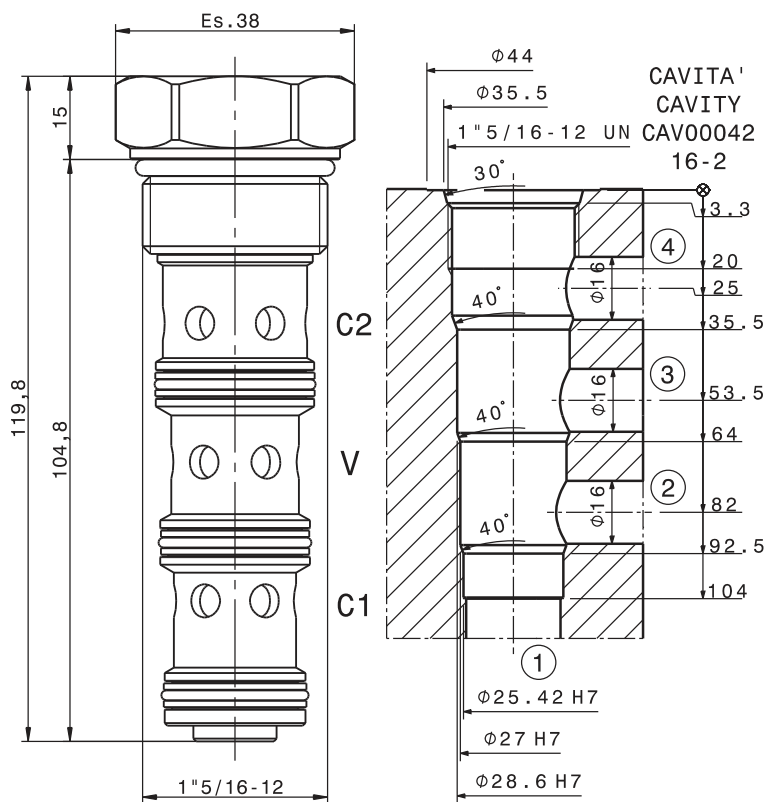


Portata massima <i>Max flow</i>	150 l/min 40 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	180 ÷ 210 Nm 135 ÷ 157 lbf ft
Errore max di divisione <i>Flow accuracy of inlet flow</i>	± 3%

Dati e tarature ottenuti usando olio con viscosità 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

Codice <i>Code</i>	Campo di portata <i>Flow range</i>
01	20 ÷ 32 l/min 5.3 ÷ 8.4 gpm
02	31 ÷ 50 l/min 8.2 ÷ 13 gpm
03	39 ÷ 64 l/min 10.3 ÷ 17 gpm
04	61 ÷ 100 l/min 16.1 ÷ 26 gpm
05	92 ÷ 150 l/min 24.3 ÷ 40 gpm

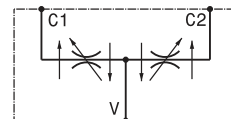
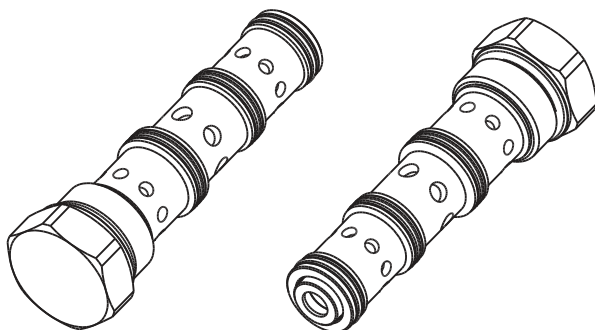


Sigla di ordinazione / Ordering code

DFR-16-C	02
Modello <i>Type</i>	Campo di portata <i>Flow range</i> 01, 02, 03, 04, 05

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.

Divisore – riunificatore di flusso a cartuccia
 Flow divider combiner – cartridge type
 mod. DFR-20-C

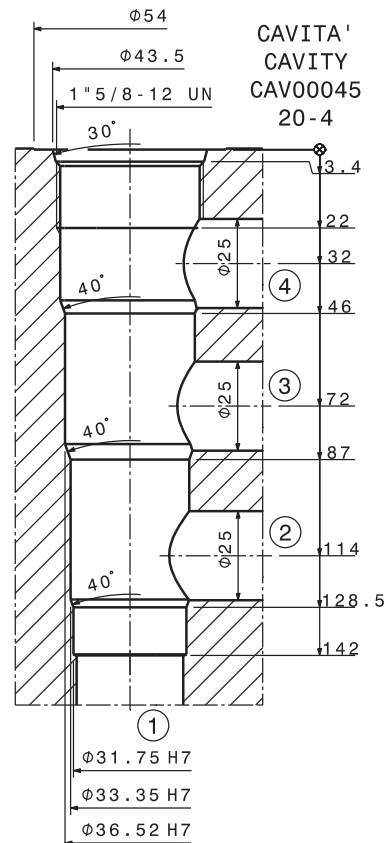
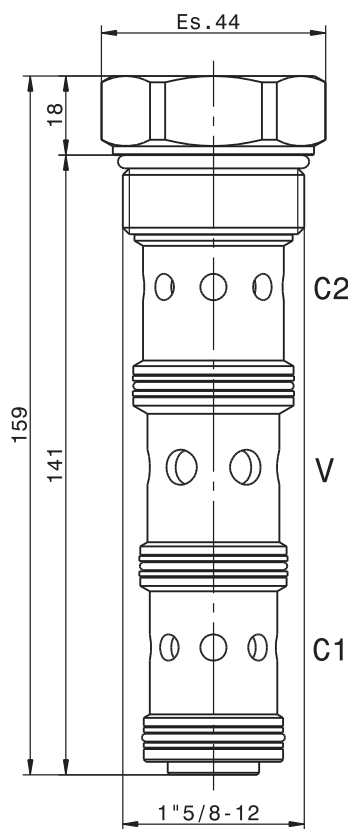


Portata massima Max flow	250 l/min 66 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	240 ÷ 260 Nm 180 ÷ 195 lbf ft
Errore max di divisione Flow accuracy of inlet flow	± 3%

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

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

Codice Code	Campo di portata Flow range
01	40 ÷ 70 l/min 10.5 ÷ 18.5 gpm
02	60 ÷ 100 l/min 16 ÷ 26 gpm
03	90 ÷ 140 l/min 24 ÷ 37 gpm
04	120 ÷ 200 l/min 32 ÷ 53 gpm
05	150 ÷ 250 l/min 40 ÷ 66 gpm



Sigla di ordinazione / Ordering code

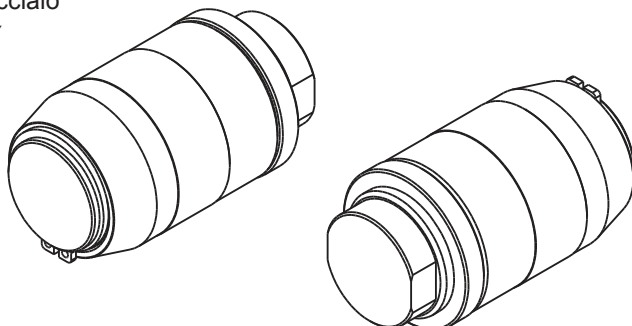
DFR-20-C	02
Modello Type	Campo di portata Flow range 01, 02, 03, 04, 05

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.

Strozzatore / Strozzatore unidirezionale
Needle valve / unidirectional needle valve

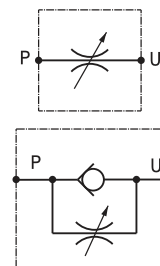
mod. ST / STU

Corpo in acciaio
Steel body



bidirezionale
bidirectional

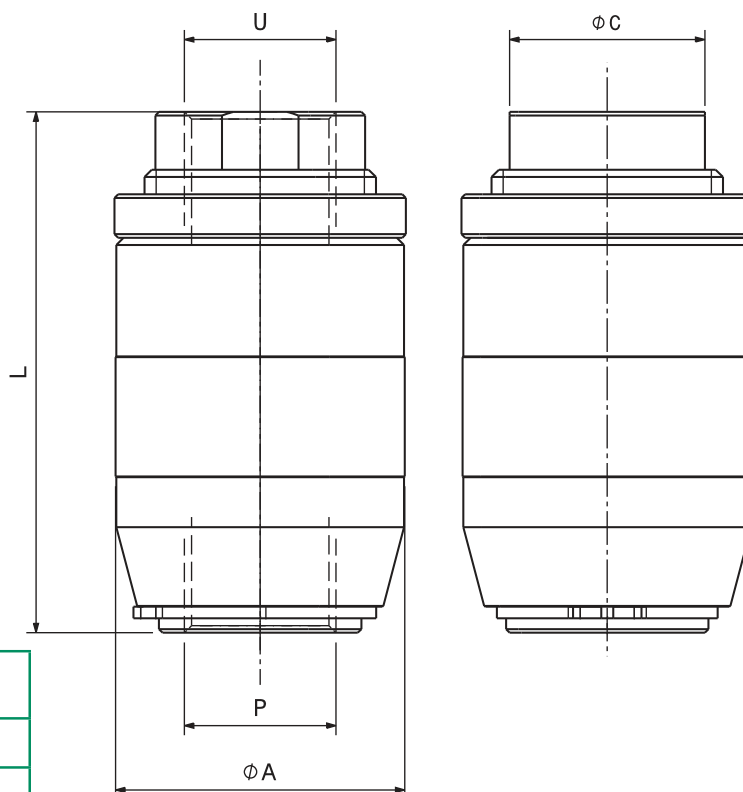
unidirezionale (U)
unidirectional (U)



Modello Type	PU	A	L	C	Portata massima Max flow	Pressione max Max pressure
ST-14	1/4" GAS	27	61	17	25 l/min 6.6 gpm	350 bar 5000 psi
STU-14	1/4" GAS	27	61	17	25 l/min 6.6 gpm	350 bar 5000 psi
ST-38	3/8" GAS	34	72	24	40 l/min 10.5 gpm	350 bar 5000 psi
STU-38	3/8" GAS	34	72	24	40 l/min 10.5 gpm	350 bar 5000 psi
ST-12	1/2" GAS	40	72	27	60 l/min 16 gpm	350 bar 5000 psi
STU-12	1/2" GAS	40	72	27	60 l/min 16 gpm	350 bar 5000 psi
ST-34	3/4" GAS	50	100	32	120 l/min 32 gpm	350 bar 5000 psi
STU-34	3/4" GAS	50	100	32	120 l/min 32 gpm	350 bar 5000 psi
ST-10	1" GAS	60	115	41	200 l/min 53 gpm	300 bar 4300 psi
STU-10	1" GAS	60	115	41	200 l/min 53 gpm	300 bar 4300 psi

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

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



Sigla di ordinazione / Ordering code

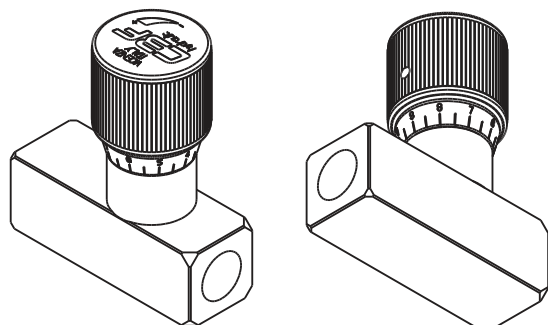
STU-34

Modello
Type

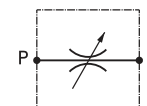
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Strozzatore / Strozzatore unidirezionale
Needle valve / unidirectional needle valve

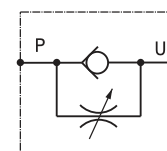
mod. SP / SPU



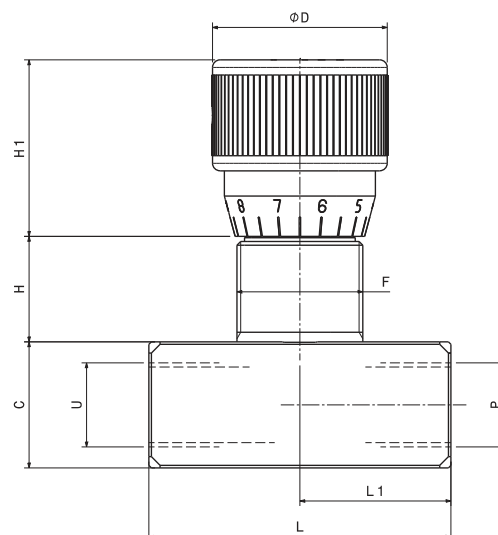
bidirezionale
bidirectional



unidirezionale (U)
unidirectional (U)



Modello Type	PU	C	L	L1	F	D	H	H1	Portata max Max flow	Pressione max Max pressure
SP-14	1/4" GAS	20	51	25.5	M20X1	30	17	33	15 l/min 4 gpm	350 bar 5000 psi
SPU-14	1/4" GAS	20	66	26	M20X1	30	17	33	15 l/min 4 gpm	350 bar 5000 psi
SP-38	3/8" GAS	25	60	30	M25X1.5	35	20	35	30 l/min 8 gpm	350 bar 5000 psi
SPU-38	3/8" GAS	25	75	30	M25X1.5	35	20	35	30 l/min 8 gpm	350 bar 5000 psi
SP-12	1/2" GAS	30	66	33	M30X1.5	40	21	43	45 l/min 12 gpm	350 bar 5000 psi
SPU-12	1/2" GAS	30	85	33	M30X1.5	40	21	43	45 l/min 12 gpm	350 bar 5000 psi
SP-34	3/4" GAS	40	92	46	M40X1.5	50	25	48	85 l/min 22 gpm	350 bar 5000 psi
SPU-34	3/4" GAS	40	110	46	M40X1.5	50	25	48	85 l/min 22 gpm	350 bar 5000 psi



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

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

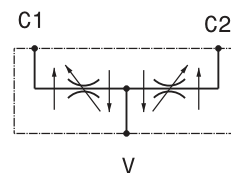
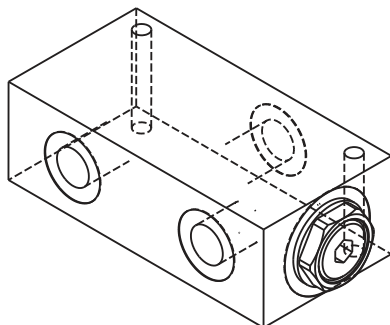
Sigla di ordinazione / Ordering code

SP-38

Modello
Type

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

Divisore – riunificatore di flusso
Flow divider combiner
mod. DFR (3/8" - 1/2" BSP)



Corpo in alluminio
Aluminium body

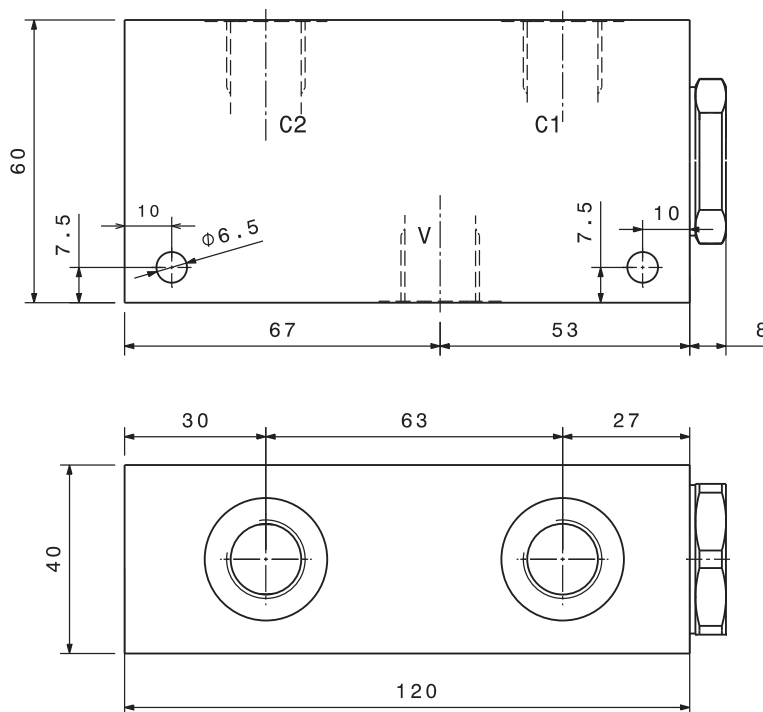
Codice Code	DFR-38 Q	DFR-12 Q
01	3 ÷ 6 l/min 0.8 ÷ 1.6 gpm	-
02	7 ÷ 12 l/min 1.8 ÷ 3.2 gpm	-
03	13 ÷ 25 l/min 3.5 ÷ 6.6 gpm	-
04	-	26 ÷ 40 l/min 6.9 ÷ 10.5 gpm
05	-	40 ÷ 70 l/min 10.5 ÷ 18.5 gpm

Codice Code	DFR-38	DFR-12
Errore max di divisione Flow accuracy of inlet flow	± 3%	

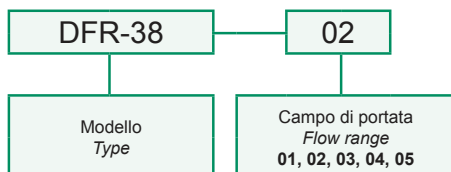
Modello Type	V	C1,C2	Pressione max Max pressure
DFR-38	3/8" GAS	3/8" GAS	300 bar 4300 psi
DFR-12	1/2" GAS	3/8" GAS	300 bar 4300 psi

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

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

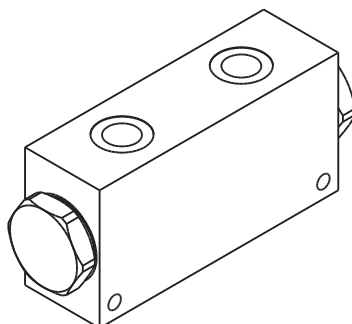


Sigla di ordinazione / Ordering code

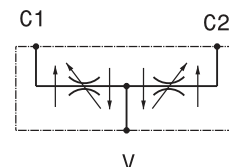


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Divisore – riunificatore di flusso
Flow divider combiner
 mod. DFR (3/4" - 1" BSP)



Corpo in alluminio
 Aluminium body

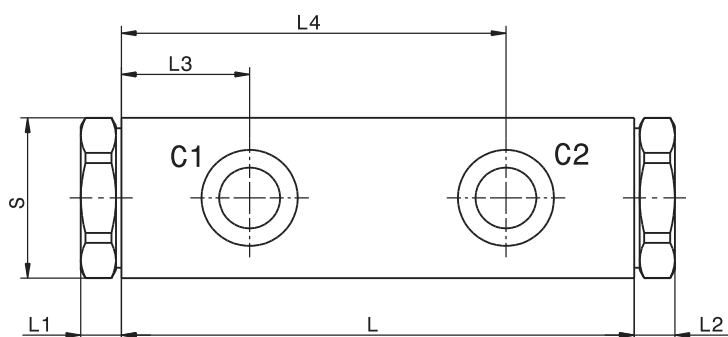
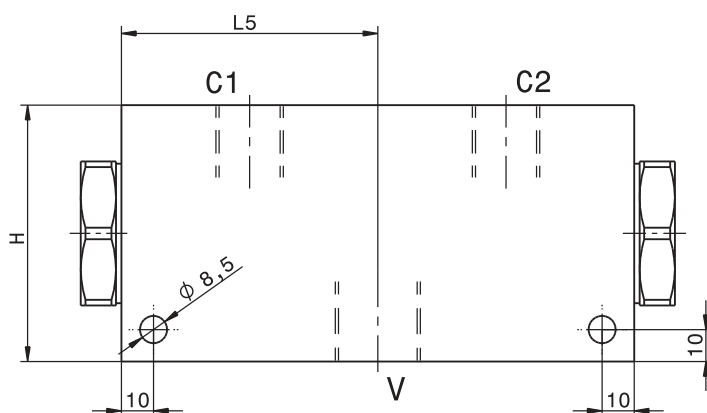


Codice Code	DFR-34 Q	DFR-10 Q
06	60 ÷ 95 l/min 16 ÷ 25 gpm	60 ÷ 95 l/min 16 ÷ 25 gpm
07	90 ÷ 150 l/min 24 ÷ 40 gpm	90 ÷ 150 l/min 24 ÷ 40 gpm

Codice Code	DFR-34	DFR-10
Pressione max Max pressure	250 bar 3600 psi	250 bar 3600 psi
Errore max di divisione Flow accuracy of inlet flow	± 3%	

Dati e tarature ottenuti usando olio con viscosità 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



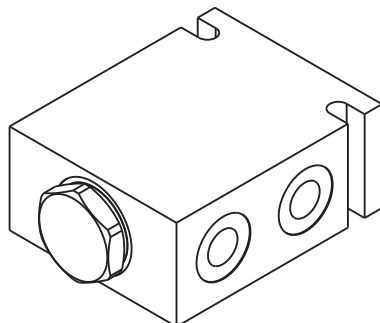
Sigla di ordinazione / Ordering code

DFR-34	06
Modello Type	Campo di portata Flow range 06, 07

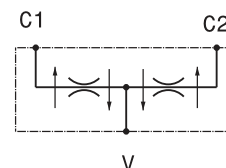
Modello Type	L	L1	L2	L3	L4	L5	H	S	V	C1,C2	Pressione max Max pressure
DFR-34	160	13	13	40	120	80	80	50	3/4" GAS	1/2" GAS	250 bar 3600 psi
DFR-10	160	13	13	40	120	80	80	50	1" GAS	3/4" GAS	250 bar 3600 psi

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

Divisore – riunificatore di flusso
Flow divider combiner
mod. DFR-10



Corpo in alluminio
Aluminium body



Modello Type	Pressione massima Max pressure	Portata massima Max flow	V	C1	C2
DFR-10-14	300 bar 4300 psi	25 l/min 6.6 gpm	1/4" GAS	1/4" GAS	1/4" GAS
DFR-10-38	300 bar 4300 psi	25 l/min 6.6 gpm	3/8" GAS	3/8" GAS	3/8" GAS
DFR-10-12	300 bar 4300 psi	60 l/min 15.8 gpm	1/2" GAS	3/8" GAS	3/8" GAS

Errore max di divisione
*Flow accuracy of
inlet flow*

± 3%

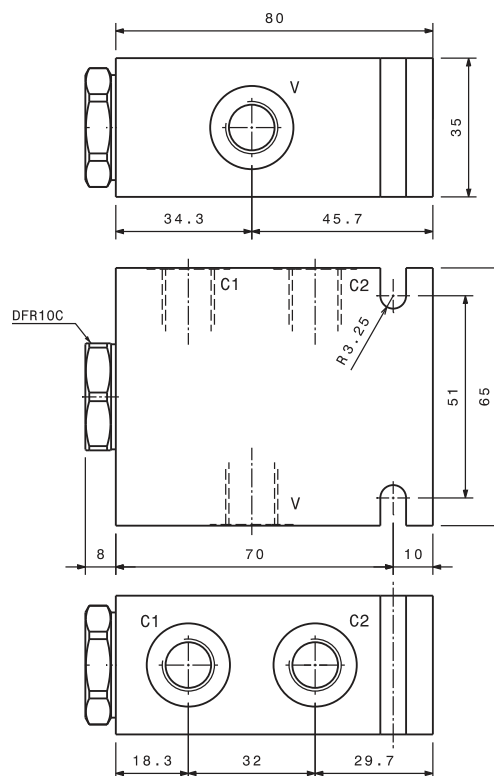
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
*Performances and calibrations are carried out by using hydraulic oil
with 30 cSt viscosity at 50°C*

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

Codice Code	Campo di portata Flow range	DFR-10-14	DFR-10-38	DFR-10-12
01	2 ÷ 4 l/min 0.5 ÷ 1 gpm	●	●	-
02	4 ÷ 7 l/min 1 ÷ 1.8 gpm	●	●	-
03	7 ÷ 12 l/min 1.8 ÷ 3.2 gpm	●	●	-
04	10 ÷ 16 l/min 2.7 ÷ 4.2 gpm	●	●	-
05	15 ÷ 25 l/min 4 ÷ 6.6 gpm	●	●	-
06	25 ÷ 40 l/min 6.6 ÷ 10.5 gpm	-	-	●
07	40 ÷ 60 l/min 10.5 ÷ 15.8 gpm	-	-	●

Sigla di ordinazione / Ordering code

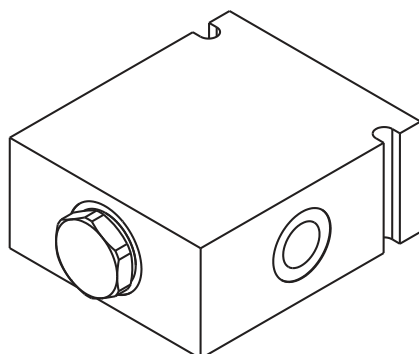
DFR-10-38	02
Modello Type	Campo di portata Flow range 01, 02, 03, 04, 05, 06, 07



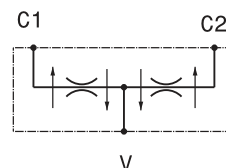
For flow diagram see performance of cartridge

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.

Divisore – riunificatore di flusso
Flow divider combiner
mod. DFR-12



Corpo in alluminio
Aluminium body



Modello Type	Pressione massima Max pressure	Portata massima Max flow	V	C1	C2
DFR-12-12	300 bar 4300 psi	70 l/min 18.5 gpm	1/2" GAS	1/2" GAS	1/2" GAS
DFR-12-34	300 bar 4300 psi	70 l/min 18.5 gpm	3/4" GAS	3/4" GAS	3/4" GAS

Errore max di divisione Flow accuracy of inlet flow	± 3%
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Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

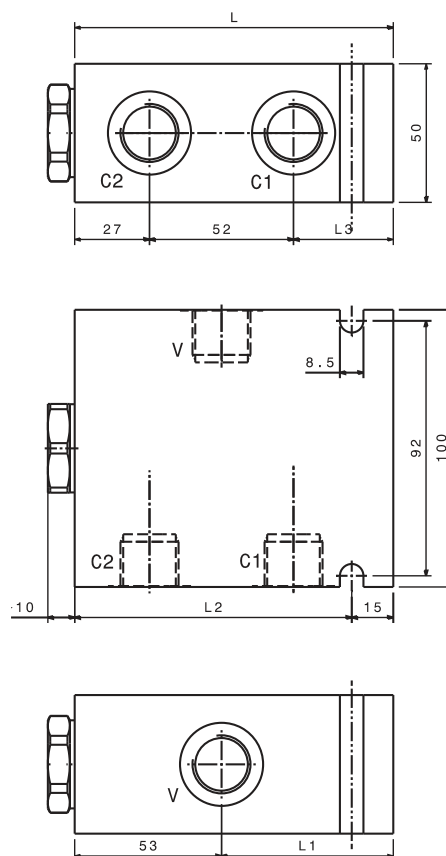
Viscosità consigliata Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Codice Code	Campo di portata Flow range	DFR-12-12	DFR-12-34
01	3 ÷ 6 l/min 0.8 ÷ 1.6 gpm	●	-
02	7 ÷ 12 l/min 1.8 ÷ 3.2 gpm	●	-
03	13 ÷ 25 l/min 3.4 ÷ 6.6 gpm	●	-
04	26 ÷ 40 l/min 6.9 ÷ 10.5 gpm	●	●
05	40 ÷ 70 l/min 10.5 ÷ 18.5 gpm	●	●

Modello Type	L	L1	L2	L3
DFR-12-12	115	62	100	36
DFR-12-34	120	67	105	41

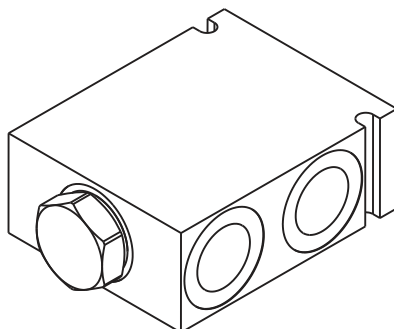
Sigla di ordinazione / Ordering code

DFR-12-12	02
Modello Type	Campo di portata Flow range 01, 02, 03, 04, 05

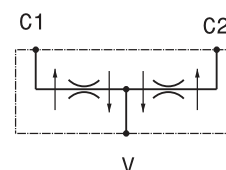


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Divisore – riunificatore di flusso
Flow divider combiner
mod. DFR-16



Corpo in alluminio
Aluminium body



Modello Type	Pressione massima Max pressure	Portata massima Max flow	V	C1	C2
DFR-16-34	300 bar 4300 psi	100 l/min 26 gpm	3/4" GAS	3/4" GAS	3/4" GAS
DFR-16-10	300 bar 4300 psi	150 l/min 40 gpm	1" GAS	1" GAS	1" GAS
DFR-16-10-34	300 bar 4300 psi	150 l/min 40 gpm	1" GAS	3/4" GAS	3/4" GAS

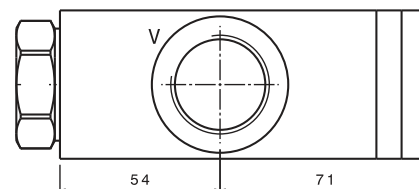
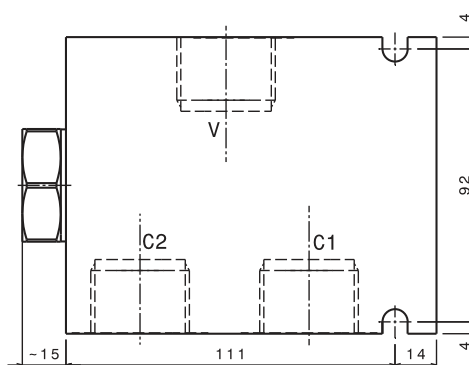
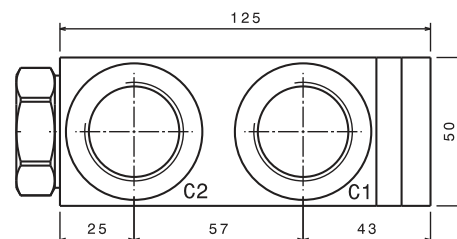
Errore max di divisione
*Flow accuracy of
inlet flow*

± 3%

Dati e tarature ottenuti usando olio con viscosità 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

Codice Code	Campo di portata Flow range	DFR-16-34	DFR-16-10	DFR-16-34-10
01	20 ÷ 32 l/min 5.3 ÷ 8.4 gpm	●	-	-
02	31 ÷ 50 l/min 8.2 ÷ 13 gpm	●	-	-
03	39 ÷ 64 l/min 10.3 ÷ 17 gpm	●	-	-
04	61 ÷ 100 l/min 16.1 ÷ 26 gpm	●	●	●
05	92 ÷ 150 l/min 24.3 ÷ 40 gpm	-	●	●

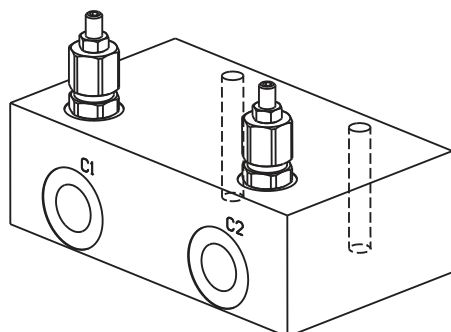


Sigla di ordinazione / Ordering code

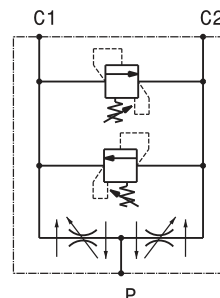
DFR-16-10	02
Modello Type DFR-16-34 DFR-16-10 DFR-16-10-34	Campo di portata Flow range 01, 02, 03, 04, 05

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.

Divisore di flusso con VLP5C incrociate
 Flow divider with double cross VLP5C
 mod. DFR-VLP5



Corpo in alluminio
 Aluminium body



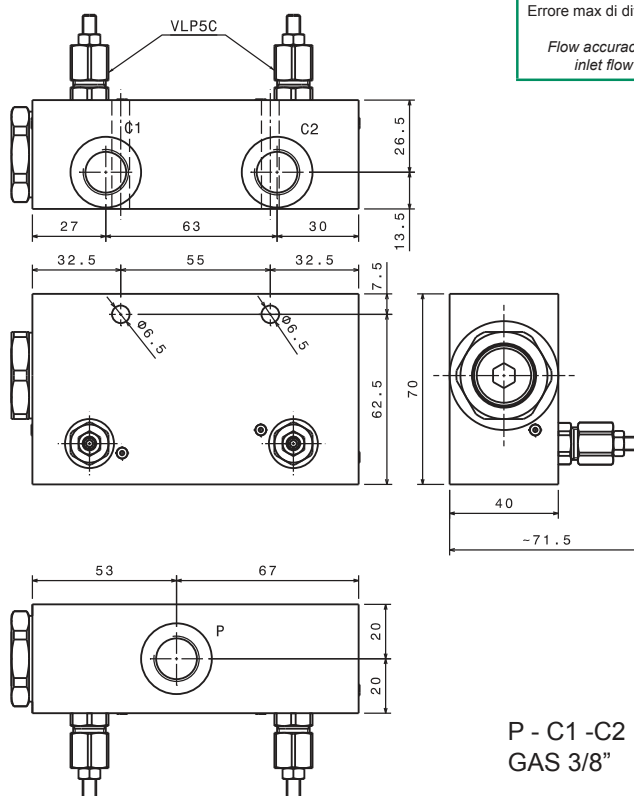
Portata massima Max flow	25 l/min 6.6 gpm
Pressione massima Max pressure	300 bar 4300 psi

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

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

Codice Code	Campo di portata Flow range
01	3 ÷ 6 l/min 0.8 ÷ 1.6 gpm
02	7 ÷ 12 l/min 1.8 ÷ 3.2 gpm
03	13 ÷ 25 l/min 3.4 ÷ 6.6 gpm

Taratura VLP5C Setting VLP5C			
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



Errore max di divisione Flow accuracy of inlet flow	± 3%
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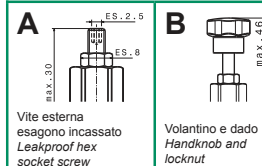
P - C1 -C2
 GAS 3/8"

For flow diagram see performance of cartridge

Sigla di ordinazione / Ordering code

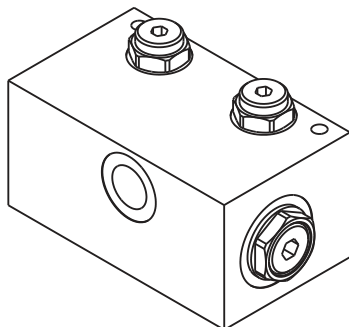
DFR	VLP5	A
Campo di portata Flow range 01, 02, 03	Codice taratura Setting code 00, 01, 02, 03	Codice regolazione Adjustment code A, B

Regolazioni
 Adjustments

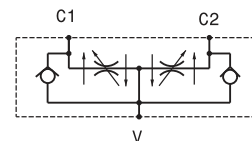


I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Divisore di flusso con ritorno libero
Flow divider with free return flow
 mod. DFR-VNR



Corpo in alluminio
Aluminium body



Portata massima <i>Max flow</i>	70 l/min <i>18.5 gpm</i>
Pressione massima <i>Max pressure</i>	300 bar <i>4300 psi</i>

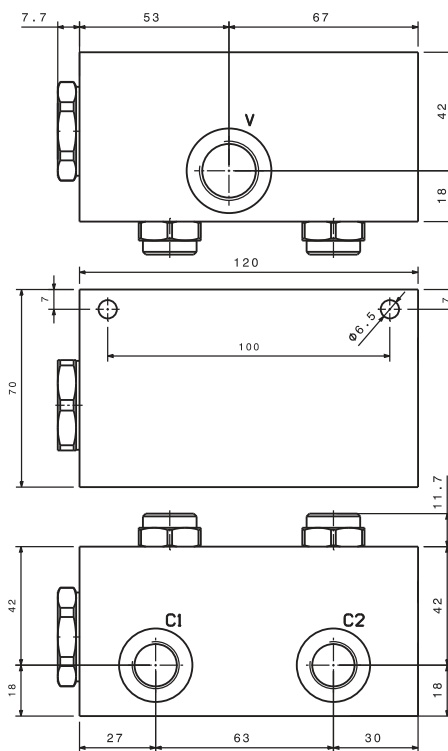
Errore max di divisione <i>Flow accuracy of inlet flow</i>	± 3%
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Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

Codice <i>Code</i>	DFR-38 <i>Q</i>	DFR-12 <i>Q</i>
01	3 ÷ 6 l/min <i>0.8 ÷ 1.6 gpm</i>	-
02	7 ÷ 12 l/min <i>1.8 ÷ 3.2 gpm</i>	-
03	13 ÷ 25 l/min <i>3.5 ÷ 6.6 gpm</i>	-
04	-	26 ÷ 40 l/min <i>6.9 ÷ 10.5 gpm</i>
05	-	40 ÷ 70 l/min <i>10.5 ÷ 18.5 gpm</i>

Modello <i>Type</i>	V	C1, C2	Pressione max <i>Max pressure</i>
DFR-38-VNR40	3/8" GAS	3/8" GAS	300 bar 4300 psi
DFR-12-VNR40	1/2" GAS	3/8" GAS	300 bar 4300 psi



Sigla di ordinazione / Ordering code

DFR-12-03 VNR40

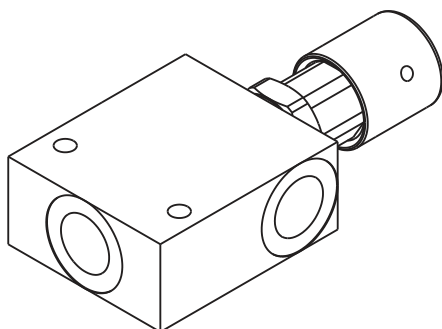
Campo di portata
Flow range
 01, 02, 03, 04, 05

For flow diagram see performance of cartridge

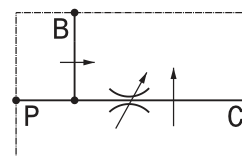
I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola regolatrice di flusso compensata, tre vie
3 ways, *pressure compensated flow regulator valve*

mod. RFP-50



Corpo in alluminio
Aluminium body

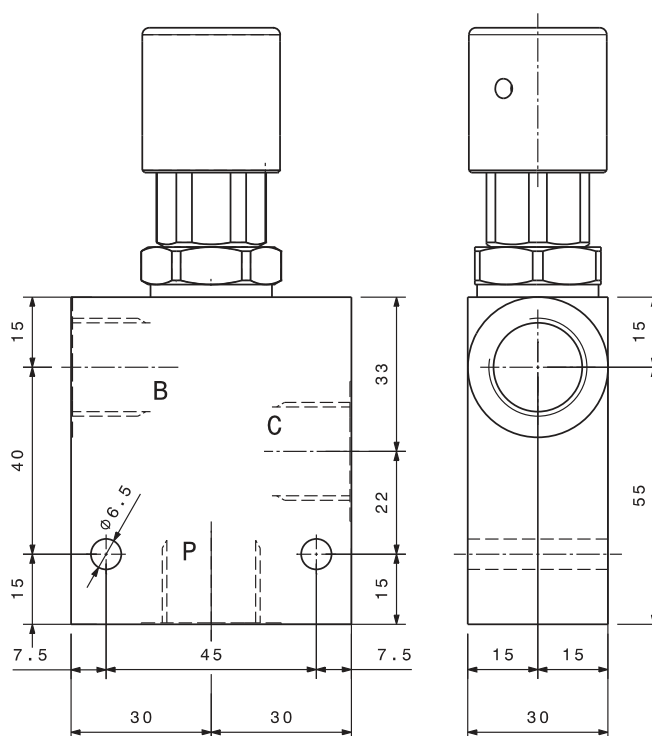


Portata massima <i>Max flow</i>	40 l/min <i>10.5 gpm</i>
Portata regolata <i>Regulated flow</i>	0 ÷ 25 l/min <i>0 ÷ 6.6 gpm</i>
Pressione massima <i>Max pressure</i>	300 bar <i>4300 psi</i>

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

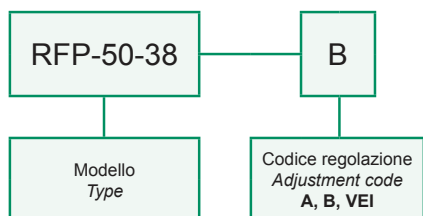
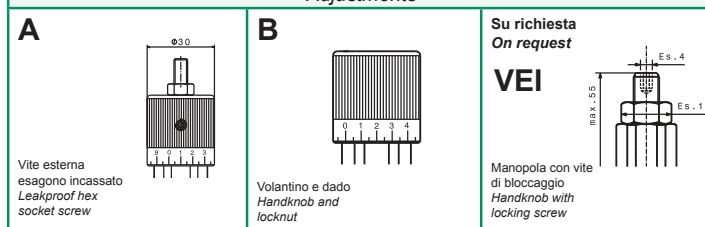
Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	C, B, P
RFP-50-38	3/8" GAS
RFP-50-12	1/2" GAS



For flow diagram see performance of cartridge

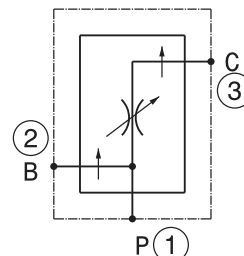
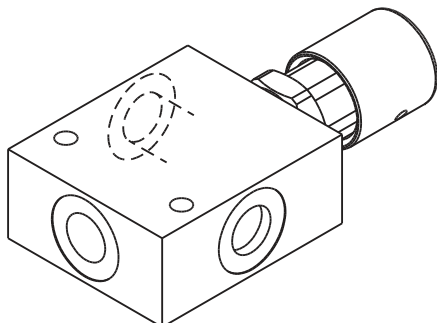
Sigla di ordinazione / Ordering code

Regolazioni
Adjustments

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 regolatrice di flusso compensata, tre vie
3 ways, pressure compensated flow regulator valve
mod. RFP-10

Corpo in alluminio
Aluminium body



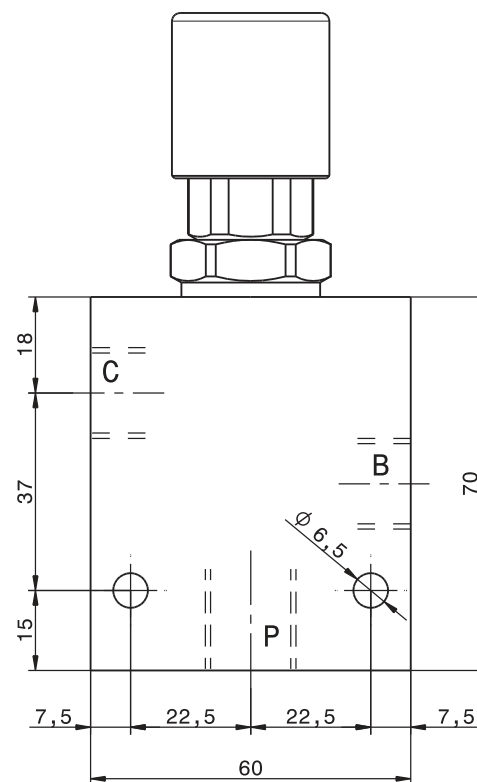
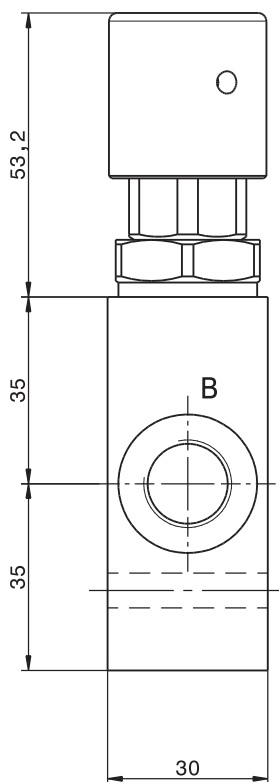
Portata massima Max flow	50 l/min 13.2 gpm
Portata regolata Regulated flow	Vedi Tabella See table
Pressione massima Max pressure	300 bar 4300 psi

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	C, B, P
RFP-10-38	3/8" GAS
RFP-10-12	1/2" GAS

Regolazioni Adjustments		
A	B	Su richiesta On request VEI Vite esterna esagono incassato Leakproof/hex socket screw
Manopola con vite di bloccaggio Handknob with locking screw	Manopola Handknob	



For flow diagram see performance of cartridge

Sigla di ordinazione / Ordering code

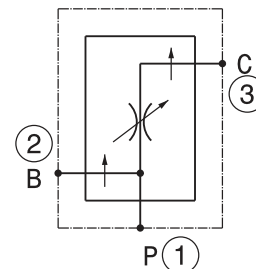
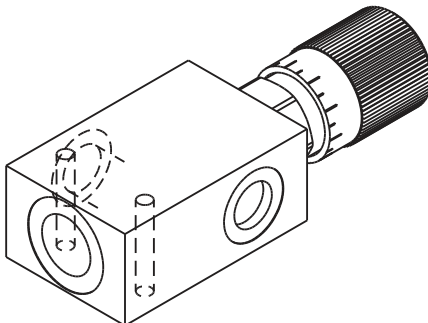
RFP-10-12	01	-	B
Modello Type	Portata regolata Regulated flow 01, 02, 03	- Flusso inverso non permesso Reverse flow not permitted "RL" Ritorno libero attraverso orificio di controllo Free return flow through regulation orifice	1 Regolazione un giro One turn regulation - Regolazione 4,5 giri 4,5 turns regulation
			Codice regolazione Adjustment code A, B, VEI

Codice Code	Portata regolata Regulated flow
01	0 ÷ 10 l/min 0 ÷ 2.6 gpm
02	0 ÷ 20 l/min 0 ÷ 5.3 gpm
03	0 ÷ 35 l/min 0 ÷ 9.2 gpm

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 regolatrice di flusso compensata, tre vie
 3 ways, pressure compensated flow regulator valve
 mod. RFP-90

Corpo in alluminio
 Aluminium body

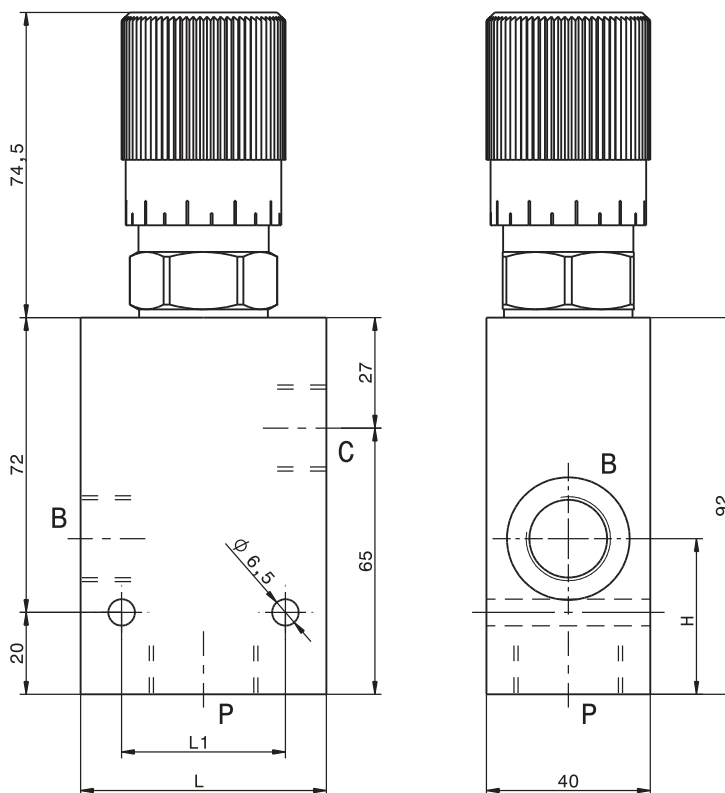
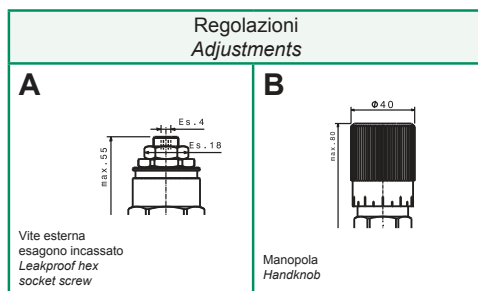


Portata massima Max flow	90 l/min 24 gpm
Portata regolata Regulated flow	2 ÷ 50 l/min 0.5 ÷ 13 gpm
Pressione massima Max pressure	300 bar 4300 psi

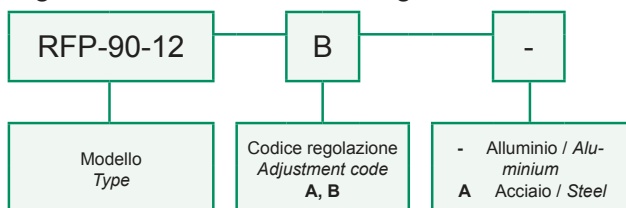
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

Modello Type	P	C, B	L	L1	H
RFP-90-12	3/4" GAS	1/2" GAS	60	40	38
RFP-90-34	3/4" GAS	3/4" GAS	70	45	40



Sigla di ordinazione / Ordering code



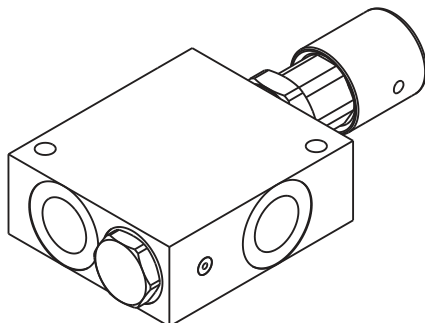
Flusso inverso dalla porta "C" alla porta "P" non è permesso
 Reverse flow from port "C" to port "P" is not permitted

For flow diagram see performance of cartridge

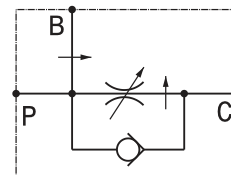
I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola regolatrice di flusso compensata con valvola di non ritorno, tre vie
 3 ways, pressure compensated flow regulator valve with check valve

mod. RFP-50-VU



Corpo in alluminio
 Aluminium body

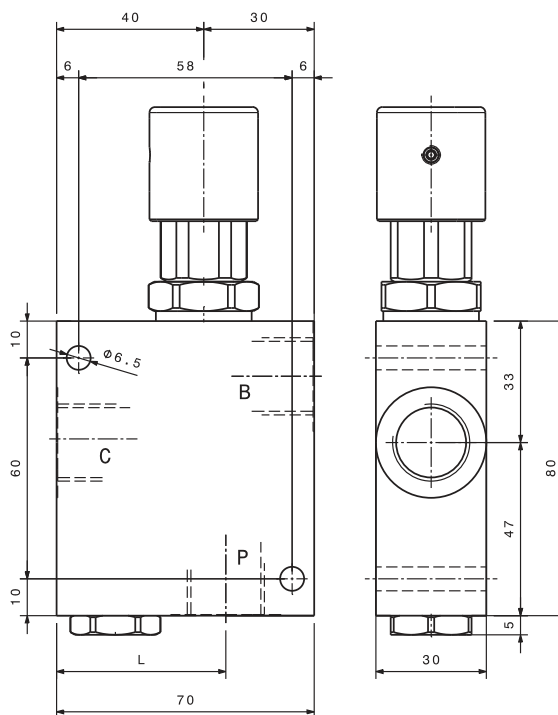


Portata massima Max flow	40 l/min 10.5 gpm
Portata regolata Regulated flow	0 ÷ 25 l/min 0 ÷ 6.6 gpm
Pressione massima Max pressure	300 bar 4300 psi

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

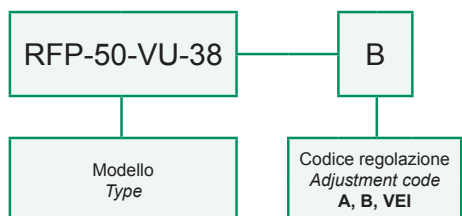
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Modello Type	C, B, P	L
RFP-50-VU-38	3/8" GAS	44
RFP-50-VU-12	1/2" GAS	46



For flow diagram see performance of cartridge

Sigla di ordinazione / Ordering code



Regolazioni
 Adjustments

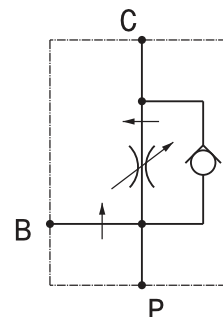
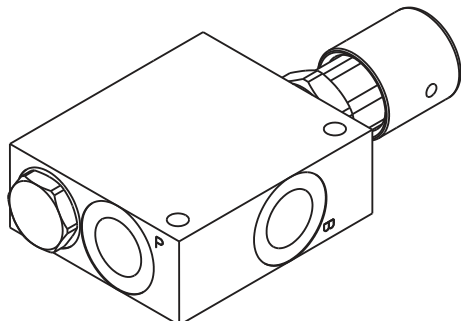
A Vite esterna esagono incassato Leakproof hex socket screw	B Manopola Handknob	Su richiesta On request VEI Manopola con vite di bloccaggio Handknob with locking screw
--	--------------------------------------	--

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 regolatrice di flusso compensata con valvola di non ritorno, tre vie
3 ways, pressure compensated flow regulator valve with check valve

mod. RFP-10-VU

Corpo in alluminio
Aluminium body

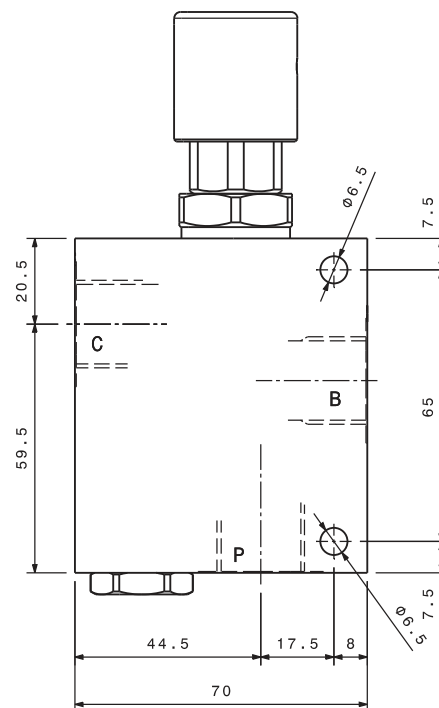
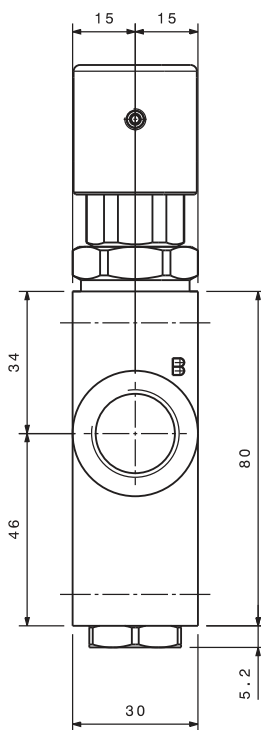


Portata massima Max flow	50 l/min 13.2 gpm
Portata regolata Regulated flow	Vedi Tabella See table
Pressione massima Max pressure	300 bar 4300 psi

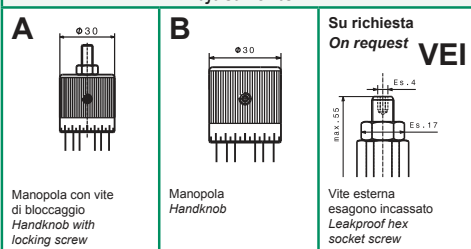
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

Modello Type	C, B, P	L
RFP-10-VU-38	3/8" GAS	43
RFP-10-VU-12	1/2" GAS	44.5



Regolazioni Adjustments



For flow diagram see performance of cartridge

Sigla di ordinazione / Ordering code

RFP-10-VU-12	01	-	B
Modello Type	Portata regolata Regulated flow 01, 02, 03	- Flusso inverso non permesso Reverse flow not permitted "RL" Ritorno libero attraverso orifizio di controllo Free return flow through regulation orifice	1 Regolazione un giro One turn regulation - Regolazione 4,5 giri 4,5 turns regulation
			Codice regolazione Adjustment code A, B, VEI

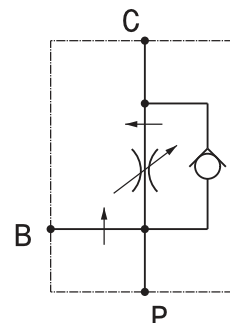
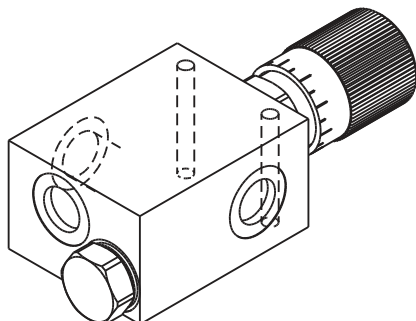
Codice Code	Portata regolata Regulated flow
01	0 ÷ 10 l/min 0 ÷ 2.6 gpm
02	0 ÷ 20 l/min 0 ÷ 5.3 gpm
03	0 ÷ 35 l/min 0 ÷ 9.2 gpm

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 regolatrice di flusso compensata con valvola di non ritorno, tre vie
 3 ways, pressure compensated flow regulator valve with check valve

mod. RFP-90-VU

Corpo in alluminio
 Aluminium body



Portata massima Max flow	90 l/min 24 gpm
Portata regolata Regulated flow	2 ÷ 50 l/min 0.5 ÷ 13 gpm
Pressione massima Max pressure	300 bar 4300 psi

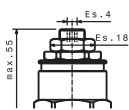
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

Modello Type	P	C, B	L	H
RFP-90-VU-12	1/2" GAS	1/2" GAS	28	38
RFP-90-VU-34	3/4" GAS	3/4" GAS	22	41

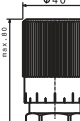
Regolazioni Adjustments

A

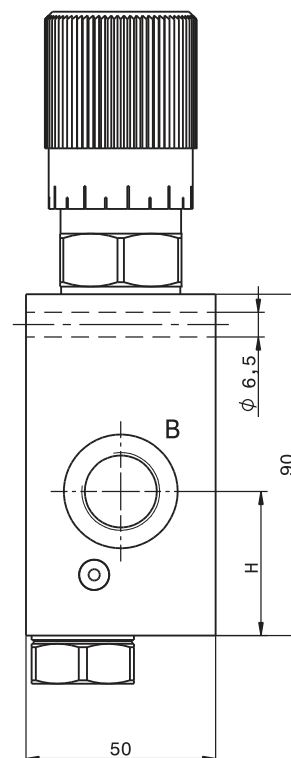
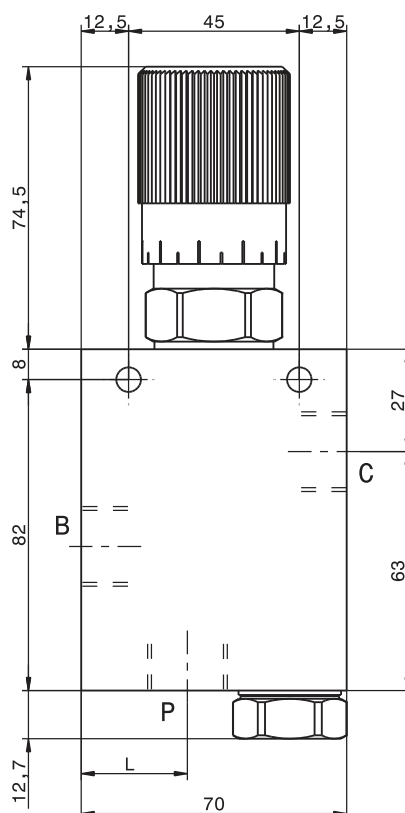


Vite esterna
esagono incassato
Leakproof hex
socket screw

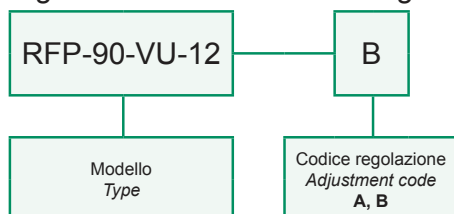
B



Manopola
Handknob



Sigla di ordinazione / Ordering code



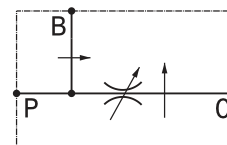
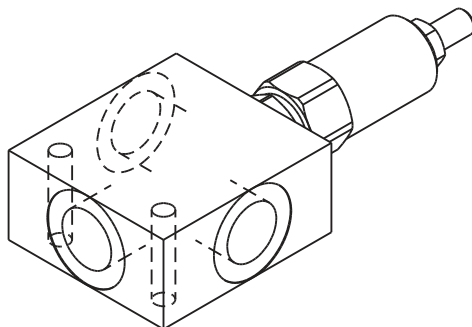
For flow diagram see performance of cartridge

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 regolatrice di flusso compensata, tre vie
 3 ways, pressure compensated flow regulator valve

mod. RF-3

Corpo in alluminio
 Aluminium body



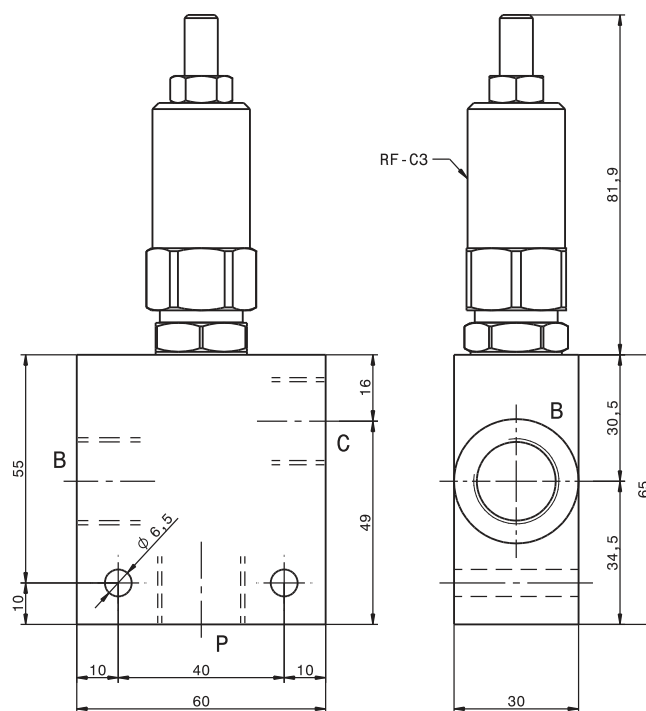
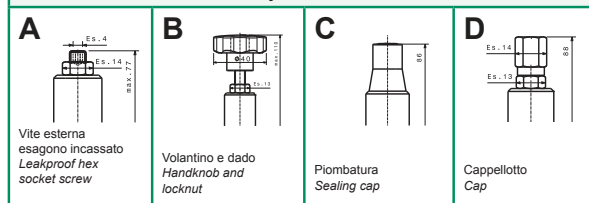
Modello Type	P, B, C	Pressione max. Max. pressure	Portata max Max. flow
RF-3-38	3/8" GAS	300 bar 4300 psi	40 l/min 10.5 gpm
RF-3-12	1/2" GAS	300 bar 4300 psi	40 l/min 10.5 gpm

Codice Code	Campo di portata Flow range
01	2 ÷ 6 l/min 0.5 ÷ 1.6 gpm
02	5 ÷ 10 l/min 1.3 ÷ 2.7 gpm
03	10 ÷ 18 l/min 2.7 ÷ 4.8 gpm
04	20 ÷ 35 l/min 5.3 ÷ 9 gpm

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

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

Regolazioni
 Adjustments



Sigla di ordinazione / Ordering code

RF-3-38	02	A
Modello Type	Campo di portata Flow range 01, 02, 03, 04	Codice regolazione Adjustment code A, B, C, D

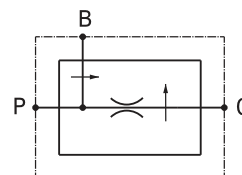
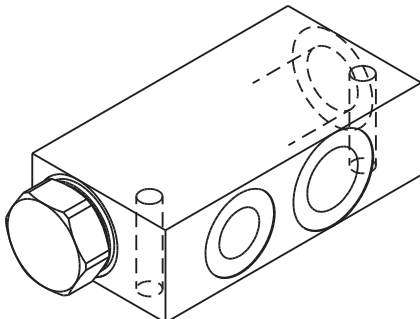
For flow diagram see performance of cartridge

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 regolatrice di flusso compensata, tre vie - acciaio
 3 ways, pressure compensated flow regulator valve - steel

mod. RFP-38

Corpo in acciaio
 Steel body

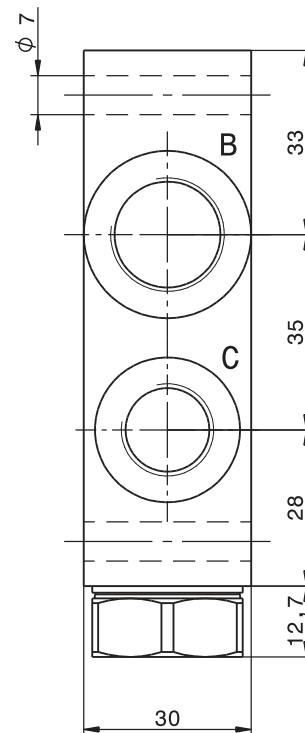
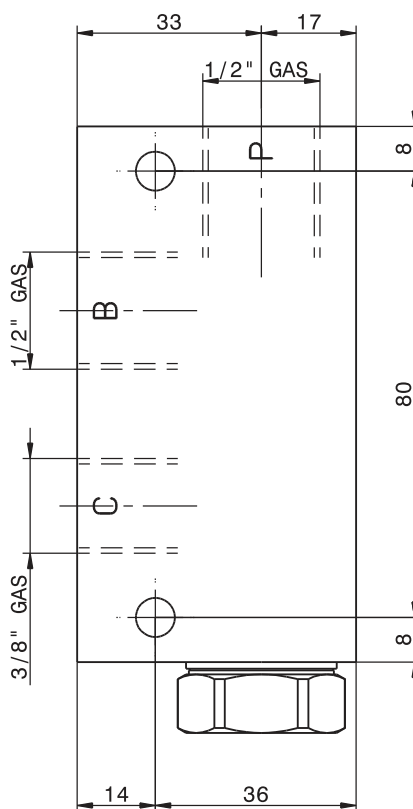


Portata massima Max flow	70 l/min 18.5 gpm
Pressione massima Max pressure	350 bar 5000 psi

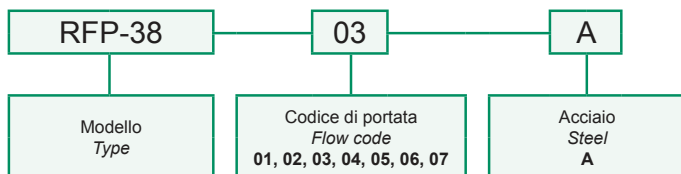
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

Codice portata Flow code	Portata regolata Regulated flow	Foro Hole mm
01	1,5 l/min 0.4 gpm	1
02	4 l/min 1 gpm	1,5
03	6 l/min 1.6 gpm	2
04	9 l/min 2.4 gpm	2,5
05	12 l/min 3.2 gpm	3
06	15 l/min 4 gpm	3,5
07	20 l/min 5.3 gpm	4



Sigla di ordinazione / Ordering code

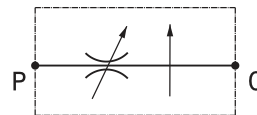
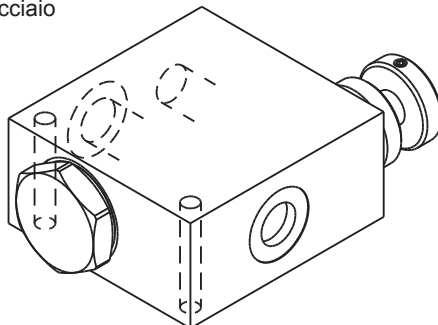


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola regolatrice di flusso compensata, due vie
2 ways, pressure compensated flow regulator valve

mod. RF-A2

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

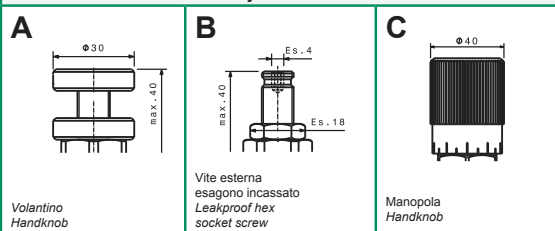


Modello Type	P, C	Portata max Max flow	Pressione max Max pressure
RF-A2-38	3/8" GAS	40 l/min 10.5 gpm	270 bar 3900 psi
RF-A2-12	1/2" GAS	45 l/min 12 gpm	270 bar 3900 psi
RF-A2-34	3/4" GAS	90 l/min 24 gpm	270 bar 3900 psi
RF-A2-10	1" GAS	190 l/min 50 gpm	270 bar 3900 psi

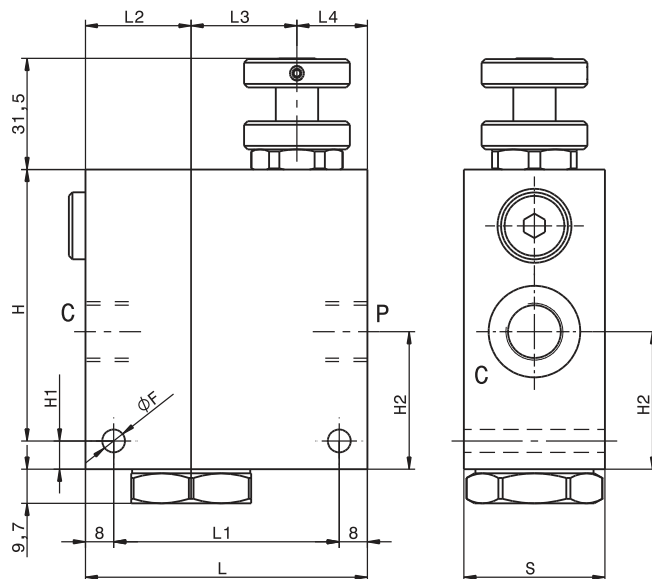
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

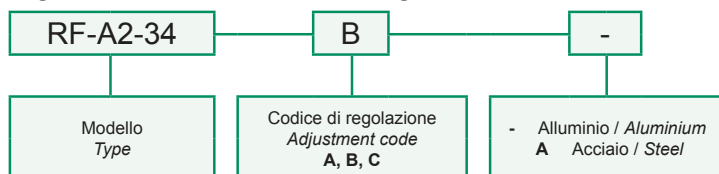
Regolazioni
Adjustments



Modello Type	L	L1	L2	L3	L4	H	H1	H2	F	S
RF-A2-38	80	64	30	30	20	85	8	39	6.5	40
RF-A2-12	80	64	30	30	20	85	8	39	6.5	40
RF-A2-34	100	84	36	39	25	100	10	44	8.5	50
RF-A2-10	100	84	40	35	25	100	10	43	8.5	50



Sigla di ordinazione / Ordering code

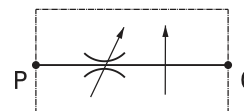
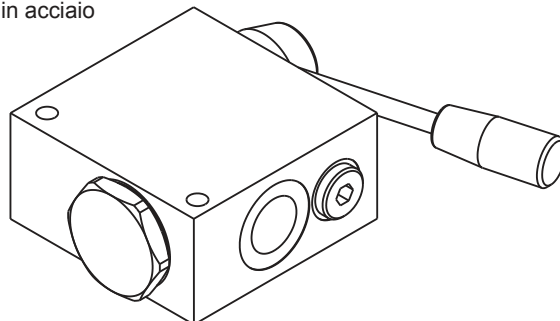


I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola regolatrice di flusso compensata, due vie, regolazione a leva
2 ways, pressure compensated flow regulator valve, lever operated

mod. RF-A2-L

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



Modello Type	P, C	Portata max Max flow	Pressione max Max pressure
RF-A2-38-L	3/8" GAS	See table	270 bar 3900 psi
RF-A2-12-L	1/2" GAS	See table	270 bar 3900 psi
RF-A2-34-L	3/4" GAS	90 l/min 24 gpm	270 bar 3900 psi
RF-A2-10-L	1" GAS	190 l/min 50 gpm	270 bar 3900 psi

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

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

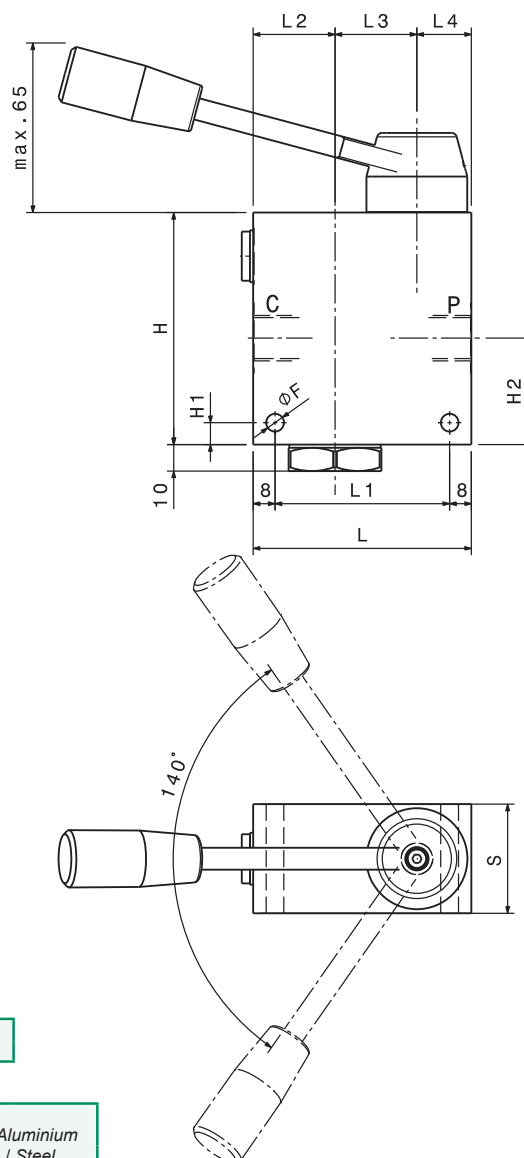
Modello Type	L	L1	L2	L3	L4	H	H1	H2	F	S
RF-A2-38-L	80	64	30	30	20	85	8	39	6.5	40
RF-A2-12-L	80	64	30	30	20	85	8	39	6.5	40
RF-A2-34-L	100	84	36	39	25	100	10	44	8.5	50
RF-A2-10-L	100	84	40	35	25	100	10	43	8.5	50

Campi di portata (Solo per 3/8" e G1/2")
Flow range (Only for G3/8" and G1/2")

01	0 ÷ 10 l/min 0 ÷ 2.7 gpm
02	0 ÷ 20 l/min 0 ÷ 5.3 gpm
03	0 ÷ 40 l/min 0 ÷ 10.5 gpm

Sigla di ordinazione / Ordering code

RF-A2-38-L	01	-
Modello Type	Campo di portata Adjustment flow range 01, 02, 03	- Alluminio / Aluminium A Acciaio / Steel

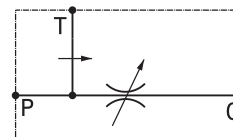
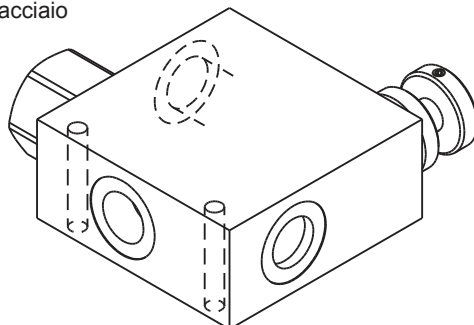


I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola regolatrice di flusso compensata, tre vie
3 ways, pressure compensated flow regulator valve

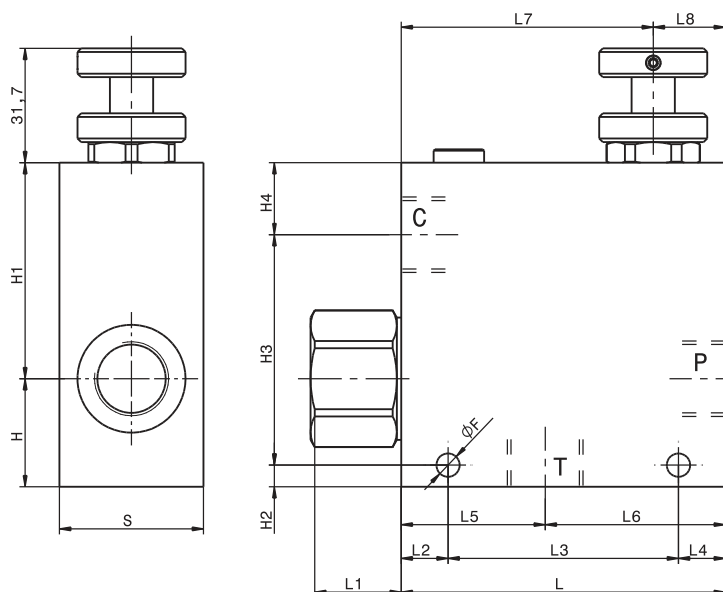
mod. RF-A

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



Modello Type	P, C, T	Portata max Max flow		Pressione max Max pressure
		Ingresso Inflow P	Regolata Regulated C	
RF-A-38	3/8" GAS	60 l/min 16 gpm	35 l/min 9 gpm	270 bar 3900 psi
RF-A-12	1/2" GAS	100 l/min 26 gpm	70 l/min 18 gpm	270 bar 3900 psi
RF-A-34	3/4" GAS	150 l/min 40 gpm	90 l/min 24 gpm	270 bar 3900 psi

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



Regolazioni Adjustments		
A Volantino Handknob	B Vite esterna esagono incassato Leakproof hex socket screw	C Manopola Handknob

Modello Type	L	L1	L2	L3	L4	L5	L6	L7	L8	H	H1	H2	H3	H4	F	S
RF-A-38	90	25	13	64	13	40	50	70	20	30	60	6	67	17	6.5	40
RF-A-12	90	25	13	64	13	40	50	70	20	30	60	6	64	20	6.5	40
RF-A-34	110	34	11	88	11	45	65	83	27	37	73	7	80	23	8.5	50

Sigla di ordinazione / Ordering code

RF-A-38	B	-
Modello Type	Codice di regolazione Adjustment code A, B, C	- Alluminio / Aluminium A Acciaio / Steel

LA VERSIONE G3/4 IN ACCIAIO È DISPONIBILE SOLO
CON ATTACCHI FRONTALI. VEDI RFA34AFA
THE G3/4 STEEL VERSION IS AVAILABLE ONLY WITH
FRONT ATTACHMENTS. SEE RFA34AFA

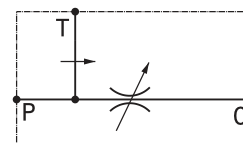
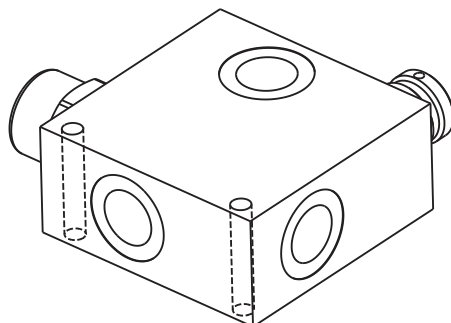
For flow diagram see
CURVES OF COMPENSATION 3 WAYS VALVE (6) +
CURVES OF COMPENSATION 3 WAYS VALVE (7)

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 regolatrice di flusso compensata, tre vie, attacco C frontale, acciaio
3 ways, pressure compensated flow regulator valve, frontal C port, steel body

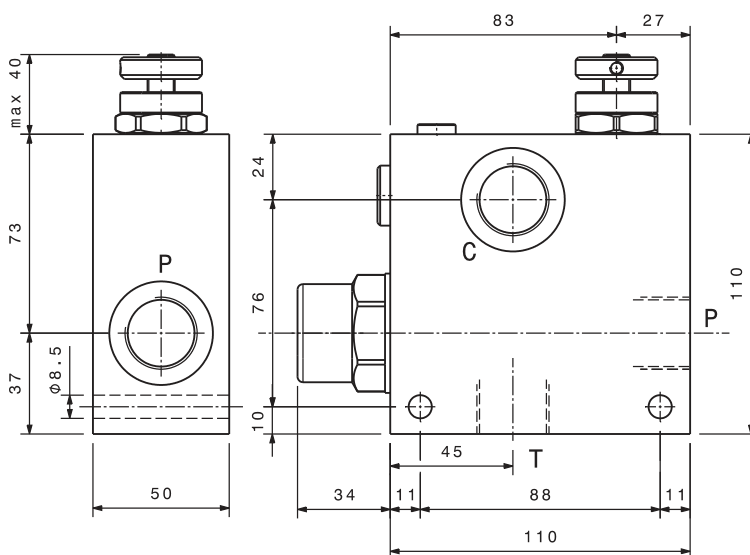
mod. RF-A-34-AF-A

Corpo in acciaio
Steel body



Modello Type	P, C, T	Portata max Max flow		Pressione max Max pressure
		Ingresso Inflow P	Regolata Regulated C	
RF-A-34 AF-A	3/4" GAS	150 l/min 40 gpm	90 l/min 24 gpm	270 bar 3900 psi

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



Regolazioni Adjustments		
A Volantino Handknob	B Vite esterna esagono incassato Leakproof hex socket screw	C Manopola Handknob

Sigla di ordinazione / Ordering code

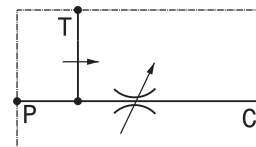
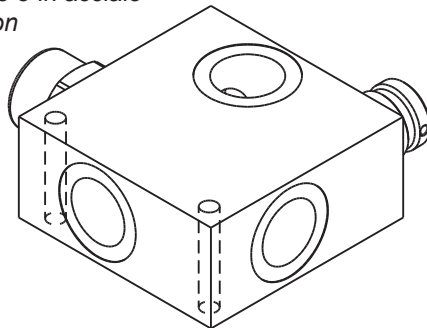
RF-A-34-AF	B	A
Modello Type	Codice di regolazione Adjustment code A, B, C	A Acciaio / Steel

For flow diagram see
CURVES OF COMPENSATION 3 WAYS 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 regolatrice di flusso compensata, tre vie
 3 ways, pressure compensated flow regulator valve
 mod. RF-A-10

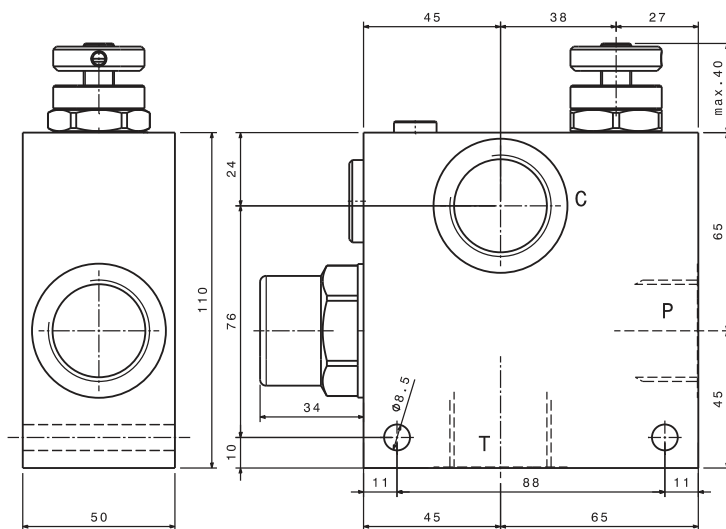
Versione con corpo in alluminio o in acciaio
 Aluminium or steel body version



Modello Type	P, C, T	Portata max Max flow		Pressione max Max pressure
		Ingresso Inflow P	Regolata Regulated C	
RF-A-10	1" GAS	280 l/min 74 gpm	190 l/min 50 gpm	270 bar 3900 psi

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

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



Regolazioni Adjustments		
A Volantino Handknob	B Vite esterna esagono incassato Leakproof hex socket screw	C Manopola Handknob

Sigla di ordinazione / Ordering code

RF-A-10	B	-
Modello Type	Codice di regolazione Adjustment code A, B, C	- Alluminio / Aluminium A Acciaio / Steel

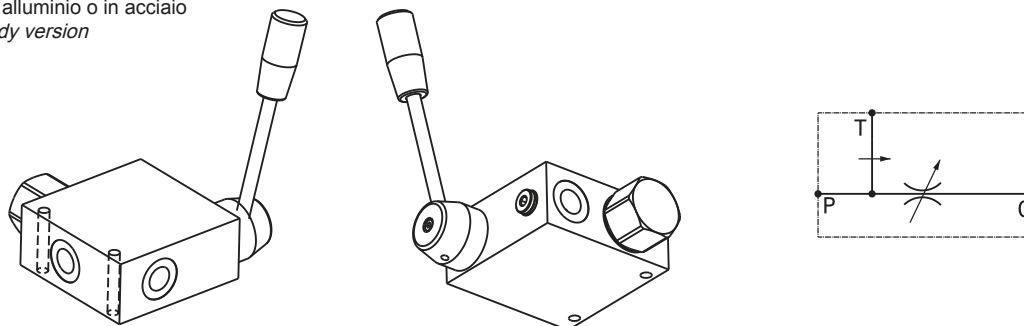
For flow diagram see
 CURVES OF COMPENSATION 3 WAYS VALVE (7)

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 regolatrice di flusso compensata, tre vie, regolazione a leva
3 ways, pressure compensated flow regulator valve, lever operated

mod. RF-A-L

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



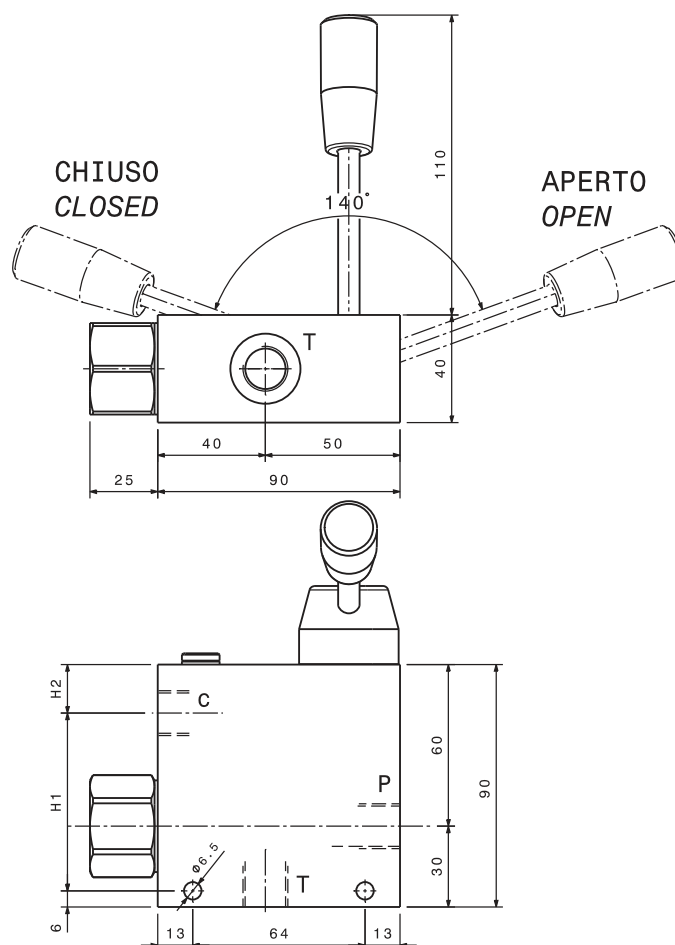
Modello Type	P, C, T	Portata max Max flow		Pressione max Max pressure
		Ingresso Inflow P	Regolata Regulated C	
RF-A-38-L	3/8" GAS	60 l/min 16 gpm	Vedi tabella See table	270 bar 3900 psi
RF-A-12-L	1/2" GAS	100 l/min 26 gpm	Vedi tabella See table	270 bar 3900 psi

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

Campi di portata Flow range	
01	0 ÷ 10 l/min 0 ÷ 2.7 gpm
02	0 ÷ 20 l/min 0 ÷ 5.3 gpm
03	0 ÷ 40 l/min 0 ÷ 10.5 gpm

Modello Type	H1	H2
RF-A-38-L	67	17
RF-A-12-L	64	20



Sigla di ordinazione / Ordering code

RF-A-38-L	01	-
Modello Type	Campo di portata Adjustment flow range 01, 02, 03	- Alluminio / Aluminium A Acciaio / Steel

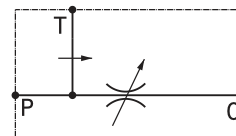
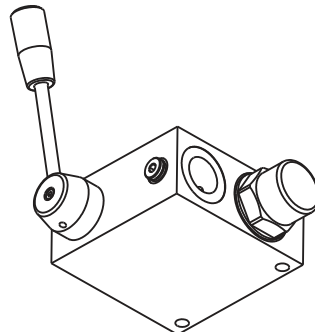
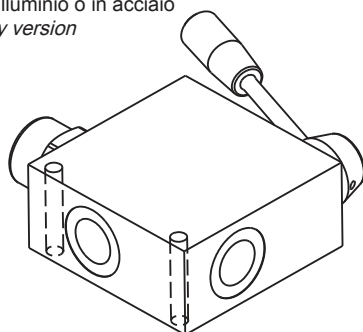
For flow diagram see
CURVES OF COMPENSATION 3 WAYS VALVE (6)

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 regolatrice di flusso compensata, tre vie, regolazione a leva
 3 ways, pressure compensated flow regulator valve, lever operated

mod. RF-A-34-L

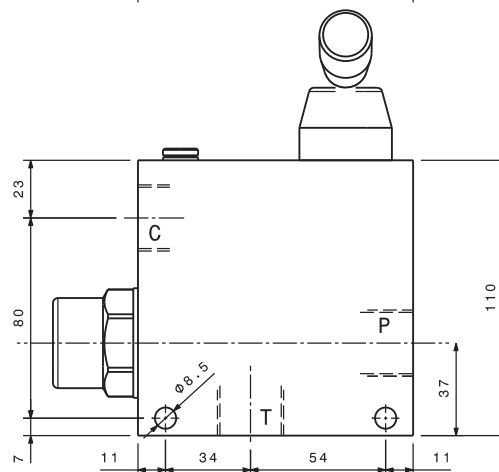
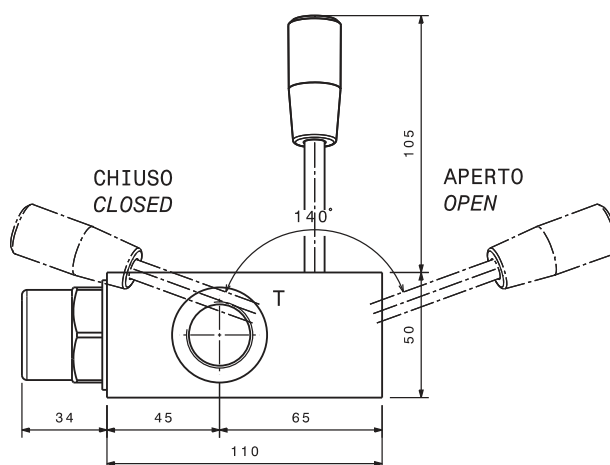
Versione con corpo in alluminio o in acciaio
 Aluminium or steel body version



Modello Type	P, C, T	Portata max Max flow		Pressione max Max pressure
		Ingresso Inflow P	Regolata Regulated C	
RF-A-34-L	3/4" GAS	150 l/min 40 gpm	90 l/min 24 gpm	270 bar 3900 psi

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

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



Sigla di ordinazione / Ordering code

RF-A-34-L	-
Modello Type	- Alluminio / Aluminium A Acciaio / Steel

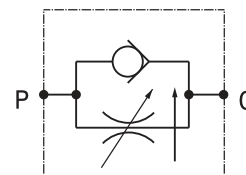
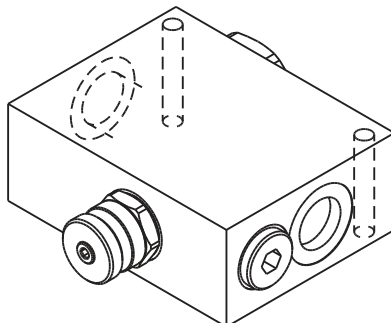
For flow diagram see
 CURVES OF COMPENSATION 3 WAYS VALVE (7)

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 regolatrice di flusso compensata due vie con valvola di non ritorno
2 ways, pressure compensated flow regulator valve with check valve

mod. RF-A2-VU

Corpo in alluminio
Aluminium body

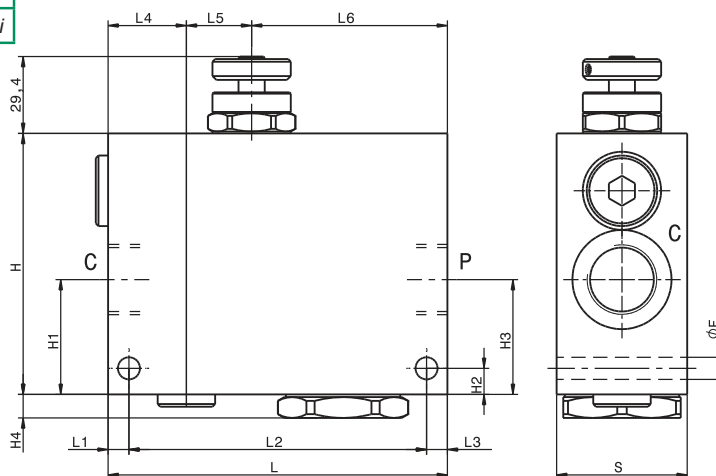
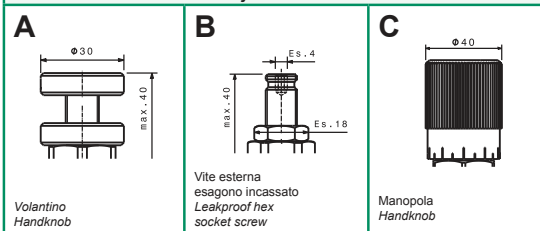


Modello Type	P, C	Portata max Max flow	Pressione max Max pressure
RF-A2-VU-38	3/8" GAS	40 l/min 10.5 gpm	270 bar 3900 psi
RF-A2-VU-12	1/2" GAS	45 l/min 12 gpm	270 bar 3900 psi
RF-A2-VU-34	3/4" GAS	90 l/min 24 gpm	270 bar 3900 psi
RF-A2-VU-10	1" GAS	190 l/min 50 gpm	270 bar 3900 psi

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

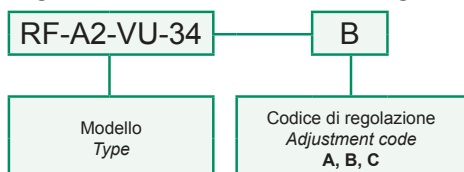
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Regolazioni
Adjustments



Modello Type	L	H	S	L1	L2	L3	L4	L5	L6	L7	H1	H2	H3	H4	F
RF-2-VU-38	95	85	40	8	64	23	30	26	39	6	39	8	39	10	6.5
RF-2-VU-12	95	85	40	8	64	23	30	26	39	8	39	8	39	10	6.5
RF-2-VU-34	130	100	50	10	110	10	40	35	55	4	44	11	44	10	8.5
RF-2-VU-10	145	110	50	8	82	55	40	40	65	5	44	10	34	10	8.5

Sigla di ordinazione / Ordering code

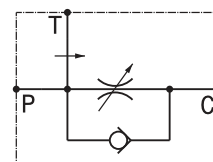
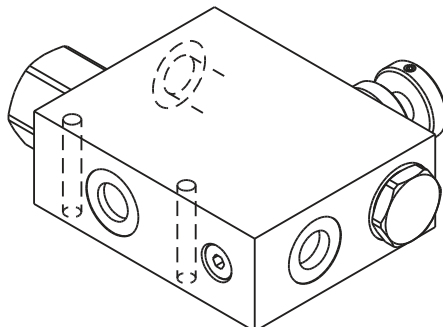


I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola regolatrice di flusso compensata tre vie con valvola di non ritorno
3 ways, pressure compensated flow regulator valve with check valve

mod. RF-A-VU

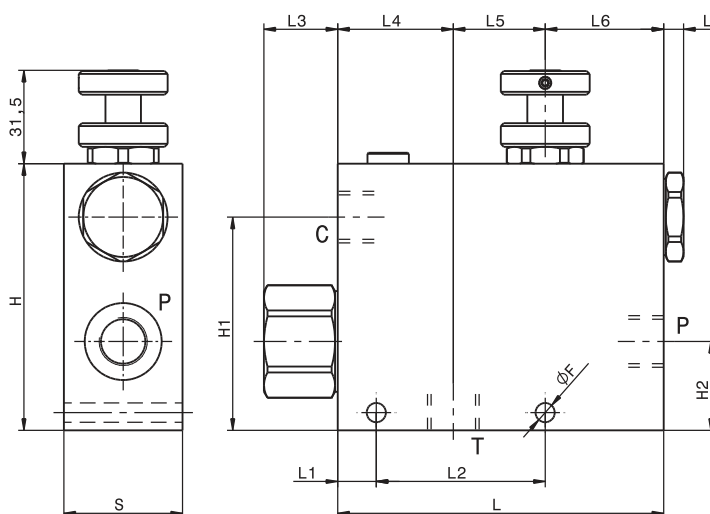
Corpo in alluminio
Aluminium body



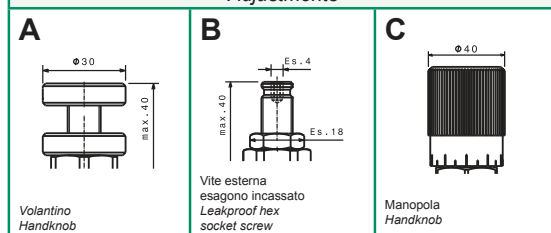
Modello Type	P, C, T	Portata max Max flow		Pressio- ne max Max pressure
		Ingresso Inflow P	Regolata Regulated C	
RF-A-VU-38	3/8" GAS	60 l/min 16 gpm	35 l/min 9 gpm	270 bar 3900 psi
RF-A-VU-12	1/2" GAS	100 l/min 26 gpm	70 l/min 18 gpm	270 bar 3900 psi
RF-A-VU-34	3/4" GAS	150 l/min 40 gpm	90 l/min 24 gpm	270 bar 3900 psi
RF-A-VU-10	1" GAS	280 l/min 74 gpm	190 l/min 50 gpm	270 bar 3900 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

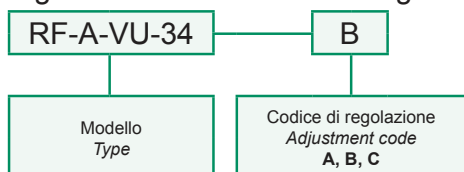


Regolazioni Adjustments



Modello Type	L	L1	L2	L3	L4	L5	L6	L7	H	H1	H2	F	S
RF-A-VU-38	110	13	57	25	39	31	40	7	90	72	30	6.5	40
RF-A-VU-12	110	13	57	25	39	31	40	7	90	70	30	6.5	40
RF-A-VU-34	130	10	70	34	45	32	53	20	110	87	35	8.5	50
RF-A-VU-10	130	10	70	34	45	32	53	20	120	96	44	8.5	50

Sigla di ordinazione / Ordering code



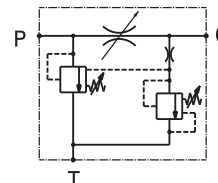
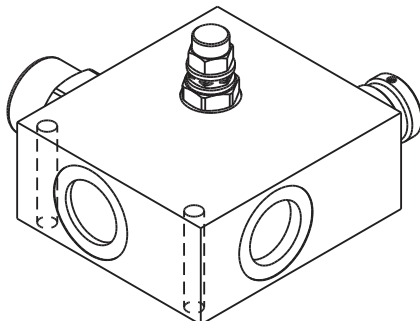
For flow diagram see
CURVES OF COMPENSATION 3 WAYS VALVE (6) +
CURVES OF COMPENSATION 3 WAYS VALVE (7)

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 regolatrice di flusso compensata tre vie con valvola limitatrice di pressione
3 ways, pressure compensated flow regulator valve with relief valve

mod. RF-A-VLP10

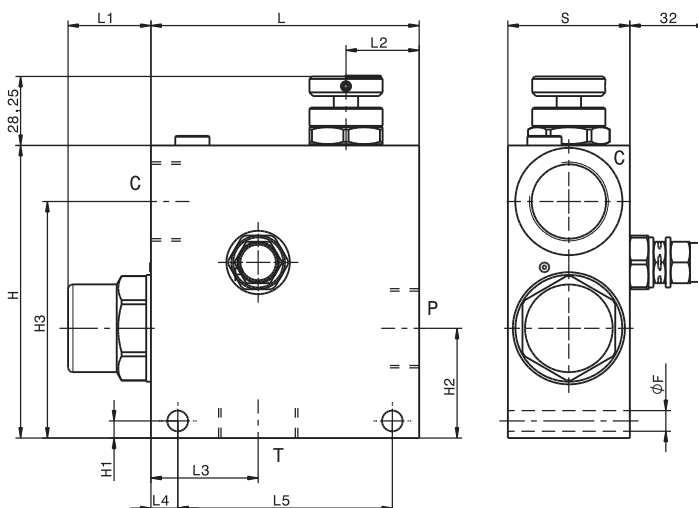
Corpo in alluminio
Aluminium body



Modello Type	P, C, T	Portata max Max flow		Pressione max Max pressure
		Ingresso Inflow P	Regolata Regulated C	
RF-A-VLP10-38	3/8" GAS	60 l/min 16 gpm	35 l/min 9 gpm	270 bar 3900 psi
RF-A-VLP10-12	1/2" GAS	100 l/min 26 gpm	70 l/min 18 gpm	270 bar 3900 psi
RF-A-VLP10-34	3/4" GAS	150 l/min 40 gpm	90 l/min 24 gpm	270 bar 3900 psi
RF-A-VLP10-10	1" GAS	280 l/min 74 gpm	190 l/min 50 gpm	270 bar 3900 psi

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

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



Regolazioni Adjustments		
A Volantino Handknob	B Vite esterna esagono incassato Leakproof hex socket screw	C Manopola Handknob

Modello Type	L	H	S	L1	L2	L3	L4	L5	H1	H2	H3	F
RF-A-VLP10-38	90	90	40	26	20	39	13	64	6	30	73	6.5
RF-A-VLP10-12	90	90	40	26	20	40	13	64	6	30	73	6.5
RF-A-VLP10-34	110	110	50	35	30	45	11	88	7	36	87	8.5
RF-A-VLP10-10	110	120	50	35	30	44	11	88	7	45	97	8.5

Valvola limitatrice di pressione Relief valve	Taratura Setting	180 bar
	Campo di regolazione Setting Range	40 + 250 bar

Sigla di ordinazione / Ordering code

RF-A-VLP10-34	B
Modello Type	Codice di regolazione Adjustment code A, B, C

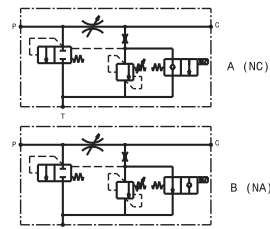
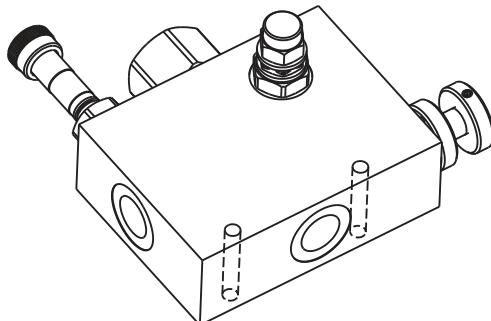
For flow diagram see
CURVES OF COMPENSATION 3 WAYS VALVE (6) +
CURVES OF COMPENSATION 3 WAYS VALVE (7)

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 regolatrice di flusso compensata tre vie con valvola di massima, azionabile elettricamente
 3 ways, pressure compensated flow regulator valve with relief valve and solenoid control

mod. RF-A-VLP10-EV

Corpo in alluminio
 Aluminium body

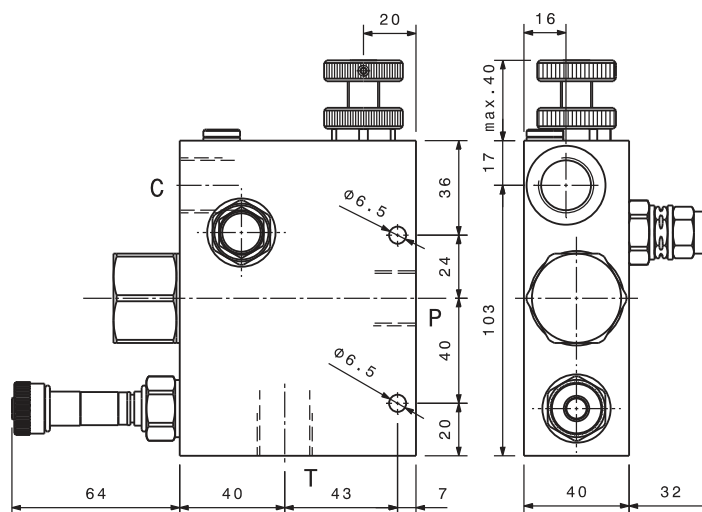


Modello Type	P, C, T	Portata max Max flow		Pressione max Max pressure
		Ingresso Inflow P	Regolata Regulated C	
RF-A-VLP10-38-EV	3/8" GAS	60 l/min 16 gpm	35 l/min 9 gpm	270 bar 3900 psi
RF-A-VLP10-12-EV	1/2" GAS	100 l/min 26 gpm	65 l/min 17 gpm	270 bar 3900 psi

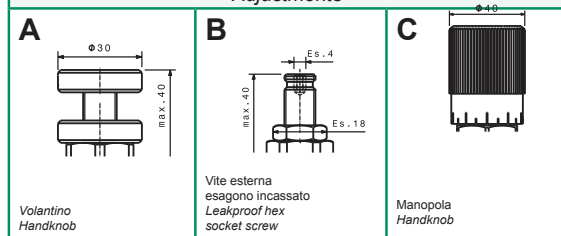
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

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

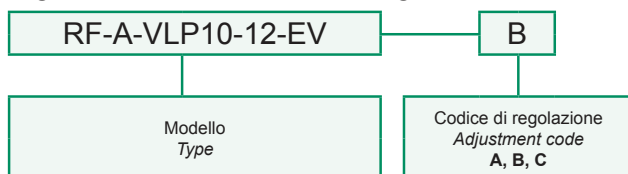
Valvola limitatrice di pressione Relief valve	Taratura Setting	180 bar
	Campo di regolazione Setting Range	40 ÷ 250 bar



Regolazioni Adjustments



Sigla di ordinazione / Ordering code



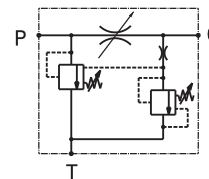
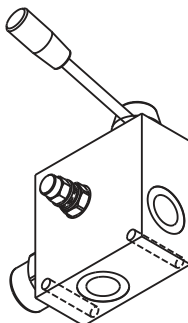
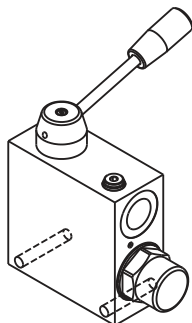
For flow diagram see
 CURVES OF COMPENSATION 3 WAYS VALVE (6) +
 CURVES OF COMPENSATION 3 WAYS VALVE (7)

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 regolatrice di flusso compensata tre vie con valvola limitatrice di pressione, regolazione a leva
3 ways, pressure compensated flow regulator valve with relief valve, lever operated

mod. RF-A-VLP10-L (3/8" / 1/2" BSP)

Corpo in alluminio
Aluminium body



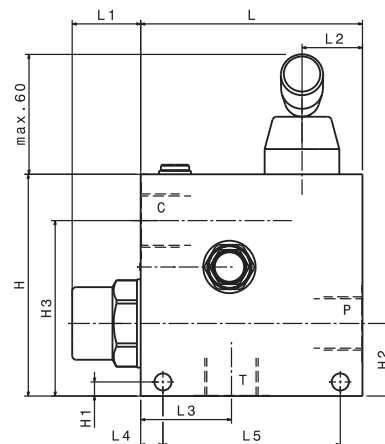
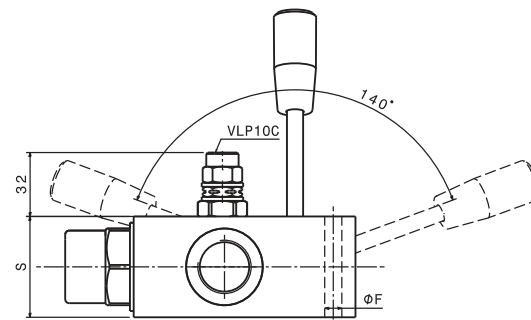
Modello Type	P, C, T	Portata max Max flow		Pressione max Max pressure
		Ingresso Inflow P	Regolata Regulated C	
RF-A-VLP10-38-L	3/8" GAS	60 l/min 16 gpm	vedi tabella see table	270 bar 3900 psi
RF-A-VLP10-12-L	1/2" GAS	100 l/min 26 gpm	vedi tabella see table	270 bar 3900 psi

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

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

Valvola limitatrice di pressione Relief valve	Taratura Setting	180 bar
	Campo di regolazione Setting Range	40 ÷ 250 bar

Campi di portata Flow range	
01	0 ÷ 10 l/min 0 ÷ 2.7 gpm
02	0 ÷ 20 l/min 0 ÷ 5.3 gpm
03	0 ÷ 40 l/min 0 ÷ 10.5 gpm



Modello Type	L	H	S	L1	L2	L3	L4	L5	H1	H2	H3	F
RF-A-VLP10-38-L	90	90	40	26	20	39	13	64	6	30	73	6.5
RF-A-VLP10-12-L	90	90	40	26	20	40	13	64	6	30	73	6.5

Sigla di ordinazione / Ordering code

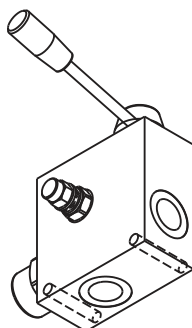
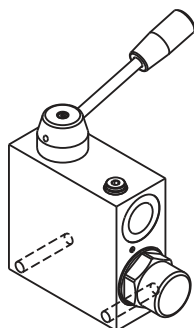
RF-A-VLP-10-38-L	02
Modello Type	Campo di portata Flow range 01,02,03

For flow diagram see
CURVES OF COMPENSATION 3 WAYS VALVE (6)

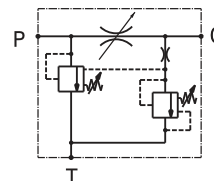
I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola regolatrice di flusso compensata tre vie con valvola limitatrice di pressione, regolazione a leva
3 ways, pressure compensated flow regulator valve with relief valve, lever operated

mod. RF-A-VLP10-L (3/4" / 1" BSP)



Corpo in alluminio
Aluminium body

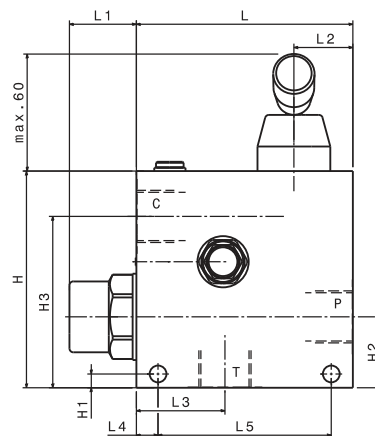
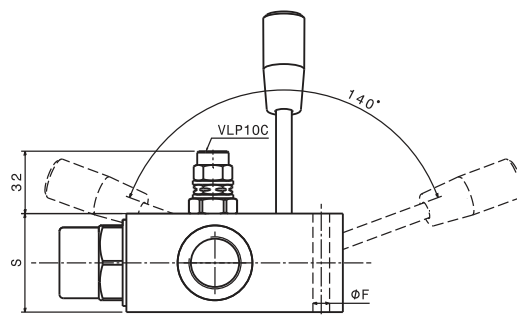


Modello Type	P, C, T	Portata max Max flow		Pressione max Max pressure
		Ingresso Inflow P	Regolata Regulated C	
RF-A-VLP10-34-L	3/4" GAS	150 l/min 40 gpm	90 l/min 24 gpm	270 bar 3900 psi
RF-A-VLP10-10-L	1" GAS	280 l/min 74 gpm	190 l/min 50 gpm	270 bar 3900 psi

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

Valvola limitatrice di pressione Relief valve	Taratura Setting	180 bar
	Campo di regolazione Setting Range	40 ÷ 250 bar



Modello Type	L	H	S	L1	L2	L3	L4	L5	H1	H2	H3	F
RF-A-VLP10-34-L	110	110	50	35	30	45	11	88	7	36	87	8.5
RF-A-VLP10-10-L	110	120	50	35	30	44	11	88	7	45	97	8.5

Sigla di ordinazione / Ordering code

RF-A-VLP-10-34-L

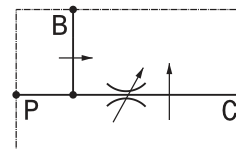
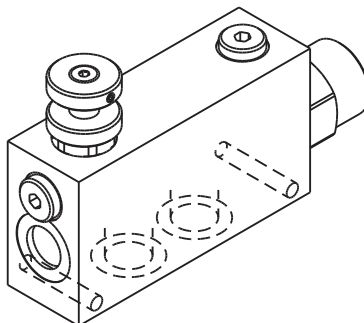
Modello
Type

For flow diagram see
CURVES OF COMPENSATION 3 WAYS 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 regolatrice di flusso compensata tre vie
3 ways, pressure compensated flow regulator valve

mod. RFP-A

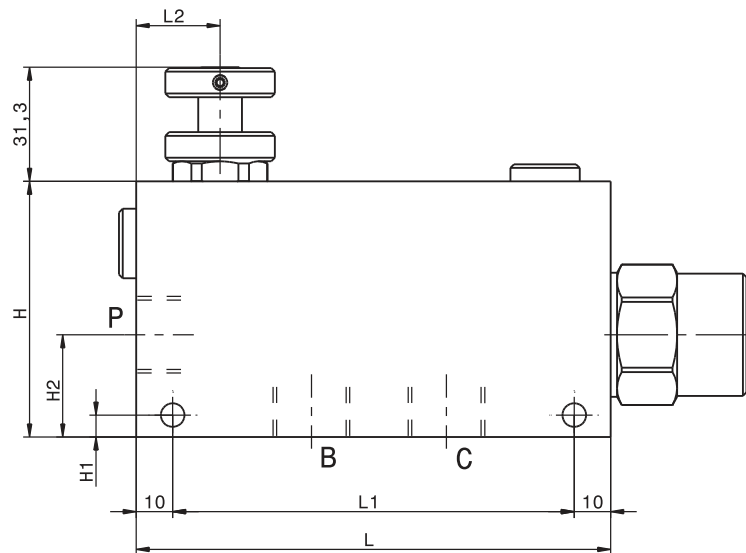
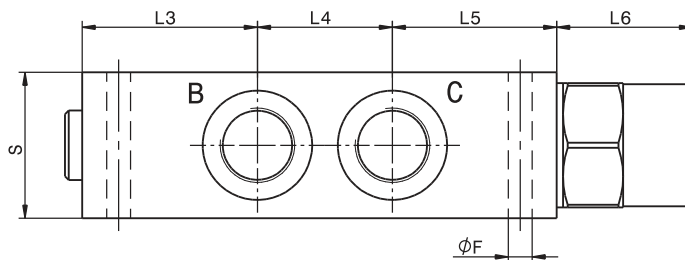


Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

Modello Type	P, B, C	Portata max Max flow		Pressione max Max pressure
		Ingresso Inflow P	Regolata Regulated C	
RFP-A-38	3/8" GAS	60 l/min 16 gpm	35 l/min 9 gpm	270 bar 3900 psi
RFP-A-12	1/2" GAS	100 l/min 26 gpm	65 l/min 17 gpm	270 bar 3900 psi
RFP-A-34	3/4" GAS	150 l/min 40 gpm	90 l/min 24 gpm	270 bar 3900 psi
RFP-A-10	1" GAS	380 l/min 100 gpm	190 l/min 50 gpm	270 bar 3900 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



Regolazioni Adjustments		
A Volantino Handknob	B Vite esterna esagono incassato Leakproof hex socket screw	C Manopola Handknob

Modello Type	L	L1	L2	L3	L4	L5	L6	H	H1	H2	F	S
RFP-A-38	130	110	23	48	37	45	38	70	6	28	6.5	40
RFP-A-12	130	110	23	48	37	45	38	70	6	28	6.5	40
RFP-A-34	155	135	26	57	44	54	35	90	7	35	8.5	50
RFP-A-10	150	130	28.5	46	56	48	55	130	10	65	8.5	60

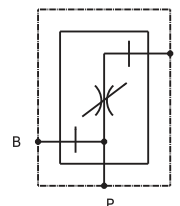
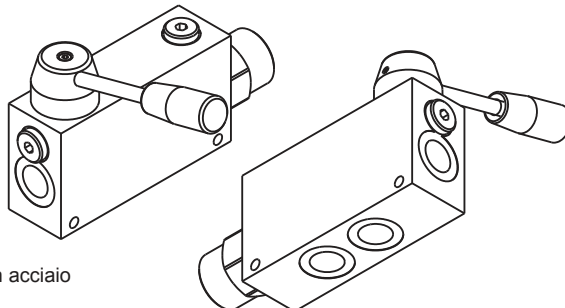
Sigla di ordinazione / Ordering code

RFP-A-34	B	-
Modello Type	Codice di regolazione Adjustment code A, B, C	- 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 regolatrice di flusso compensata, tre vie, regolazione a leva
3 ways, pressure compensated flow regulator valve, lever operated

mod. RFP-A-L



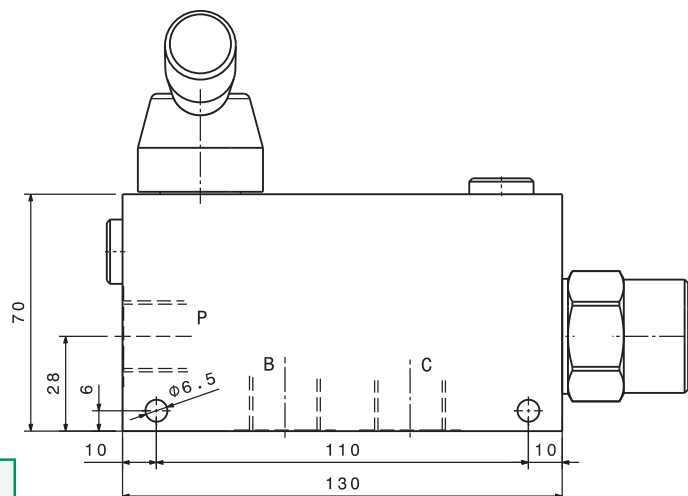
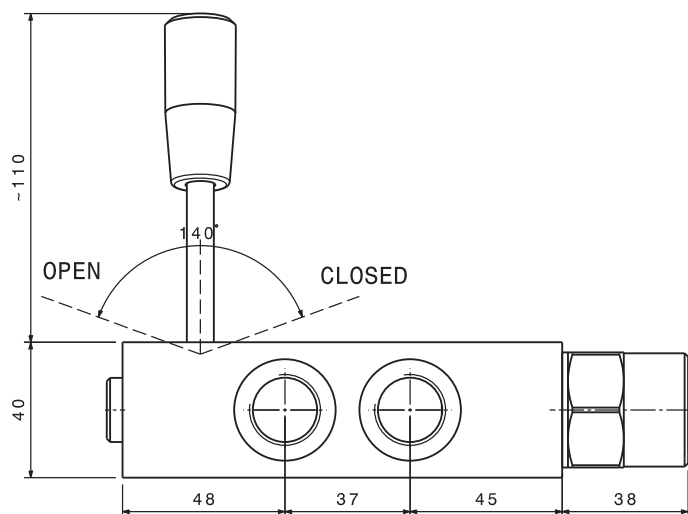
Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

Modello Type	P, C, T	Portata max Max flow		Pressione max Max pressure
		Ingresso Inflow P	Regolata Regulated C	
RFP-A-38-L	3/8" GAS	60 l/min 16 gpm	Vedi tabella See table	270 bar 3900 psi
RFP-A-12-L	1/2" GAS	100 l/min 26 gpm	Vedi tabella See table	270 bar 3900 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

Campi di portata Flow range	
01	0 ÷ 10 l/min 0 ÷ 2.7 gpm
02	0 ÷ 20 l/min 0 ÷ 5.3 gpm
03	0 ÷ 40 l/min 0 ÷ 10.5 gpm



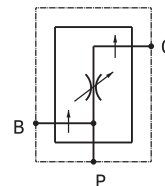
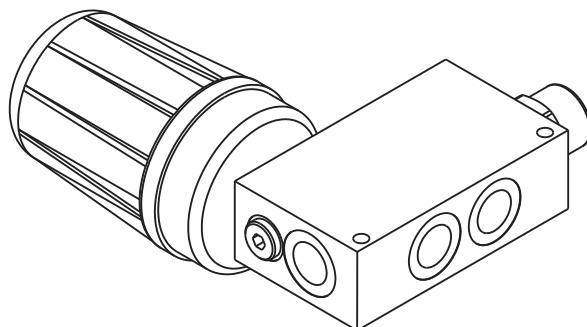
Sigla di ordinazione / Ordering code

RFP-A-38-L	01	-
Modello Type	Campo di portata Adjustment flow range 01, 02, 03	- 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 regolatrice di flusso compensata tre vie con comando elettrico
3 ways, pressure compensated flow regulator valve with electric drive

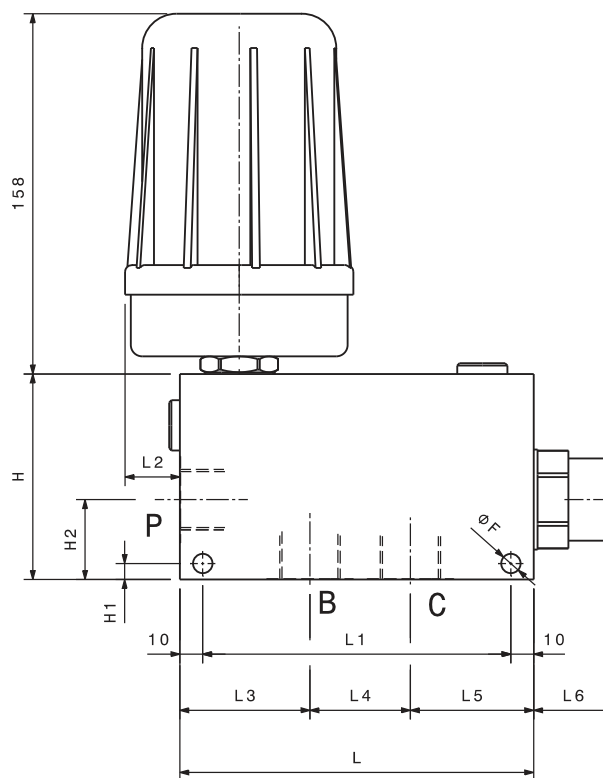
mod. RFP-A-CE



Modello Type	P, B, C	Portata max Max flow		Pressione max Max pressure
		Ingresso Inflow P	Regolata Regulated C	
RFP-A-38-CE	3/8" GAS	60 l/min 16 gpm	35 l/min 9 gpm	270 bar 3900 psi
RFP-A-12-CE	1/2" GAS	100 l/min 26 gpm	65 l/min 17 gpm	270 bar 3900 psi
RFP-A-34-CE	3/4" GAS	150 l/min 40 gpm	90 l/min 24 gpm	270 bar 3900 psi
RFP-A-10-CE	1" GAS	380 l/min 100 gpm	190 l/min 50 gpm	270 bar 3900 psi

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

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



Modello Type	L	L1	L2	L3	L4	L5	L6	H	H1	H2	F	S
RFP-A-38-CE	130	110	28	48	37	45	38	70	6	28	6.5	40
RFP-A-12-CE	130	110	28	48	37	45	38	70	6	28	6.5	40
RFP-A-34-CE	155	135	24	57	44	54	35	90	7	35	8.5	50
RFP-A-10-CE	150	130	22	46	56	48	55	130	10	65	8.5	60

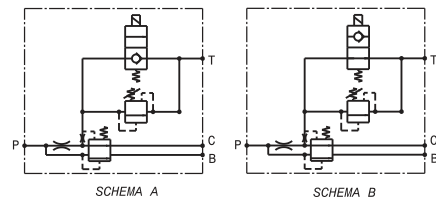
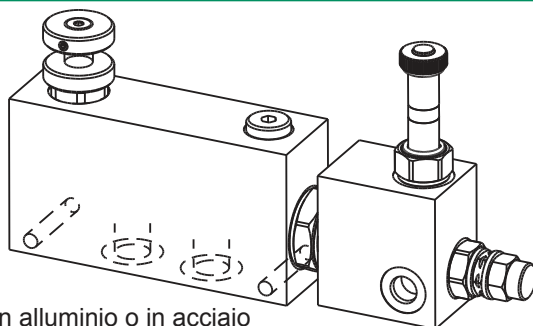
Sigla di ordinazione / Ordering code

RFP-A-34-CE	12
Modello Type	Tensione / Voltage 12 12 VDC 24 24 VDC

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 regolatrice di flusso compensata tre vie azionabile elettricamente con valvola limitatrice di pressione
3 ways, pressure compensated flow regulator valve with solenoid valve and relief

mod. RFPA-EV-VLP

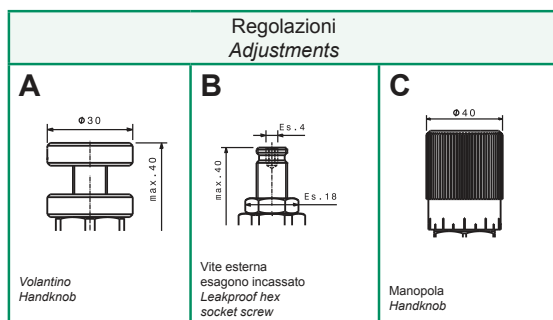
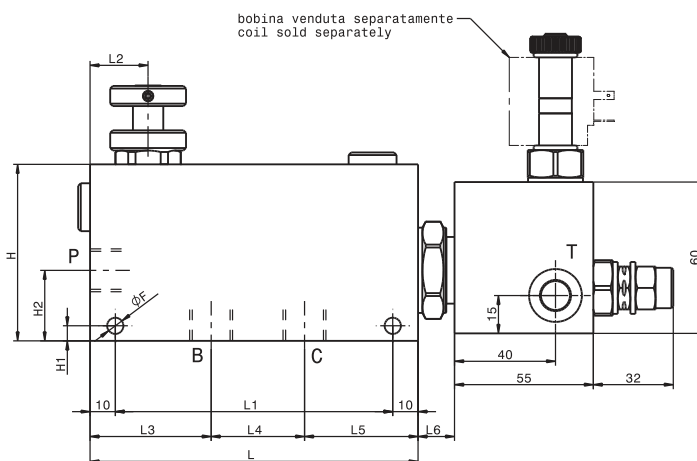


Versione con corpo in alluminio o in acciaio
Aluminium or steel body version

Modello Type	P, C, T	Portata max Max flow		Pressione max Max pressure
		Ingresso Inflow P	Regolata Regulated C	
RFPA-EV-VLP38	3/8" GAS	60 l/min 16 gpm	35 l/min 9 gpm	270 bar 3900 psi
RFPA-EV-VLP12	1/2" GAS	100 l/min 26 gpm	65 l/min 17 gpm	270 bar 3900 psi
RFPA-EV-VLP34	3/4" GAS	150 l/min 40 gpm	90 l/min 24 gpm	270 bar 3900 psi
RFPA-EV-VLP10	1" GAS	380 l/min 100 gpm	190 l/min 50 gpm	270 bar 3900 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	L	L1	L2	L3	L4	L5	L6	H	H1	H2	F	S
RFPAEV-VLP38	130	110	22	48	37	45	15	70	10	28	6.5	40
RFPAEV-VLP12	130	110	22	48	37	45	15	70	6	28	6.5	40
RFPAEV-VLP34	155	135	25	57	44	54	11	90	7	35	8.5	50
RFPAEV-VLP10	150	130	28.5	46	56	48	25	130	10	65	8.5	60

Valvola limitatrice di pressione Relief valve	Taratura Setting	180 bar
	Campo di regolazione Setting Range	40 ÷ 250 bar

Sigla di ordinazione / Ordering code

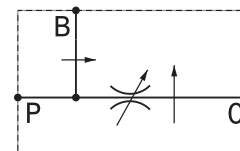
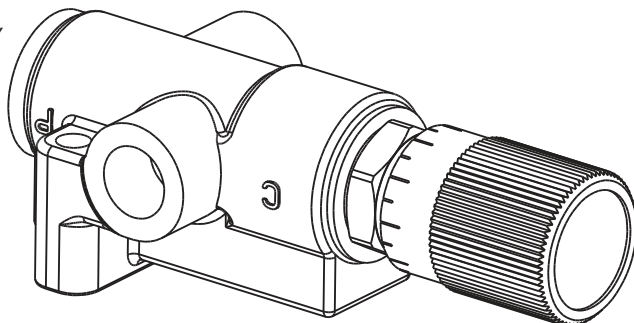


I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola regolatrice di flusso compensata, tre vie, ghisa
3 ways, pressure compensated flow regulator valve, cast iron

mod. RF-G

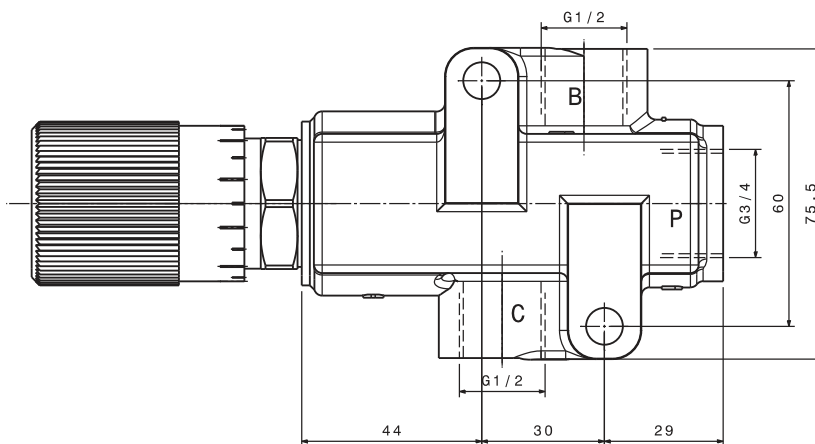
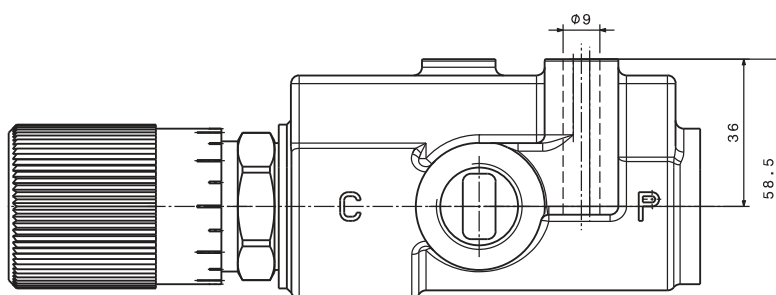
Corpo in ghisa
Cast iron body



Portata massima Max flow	100 l/min 26 gpm
Portata regolata Regulated flow	vedi tabella see table
Pressione massima Max pressure	350 bar 5000 psi

Campi di portata regolata Regulated flow range	
010	0 ÷ 10 l/min 0 ÷ 2.7 gpm
020	0 ÷ 20 l/min 0 ÷ 5.3 gpm
030	0 ÷ 30 l/min 0 ÷ 7.9 gpm
-	2 ÷ 50 l/min 0.5 ÷ 13 gpm

Regolazioni Adjustments	
A Vite esterna esagono incassato Leakproof hex socket screw	D Es. 19 Es. 19
- (standard) Manopola Handknob	



Sigla di ordinazione / Ordering code

RFG	-	010
Modello Type	Codice regolazione Adjustment code	Campi regolazione portata Regulated flow range
	- A D	010 0÷10 lpm 020 0÷20 lpm 030 0÷30 lpm

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

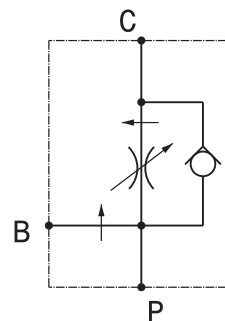
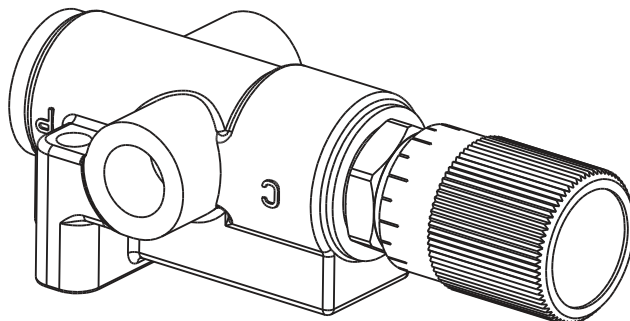
Viscosità consigliata Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

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

Valvola regolatrice di flusso compensata, tre vie, con valvola di non ritorno, ghisa
3 ways, pressure compensated flow regulator valve with check valve, cast iron

mod. RF-G-VU

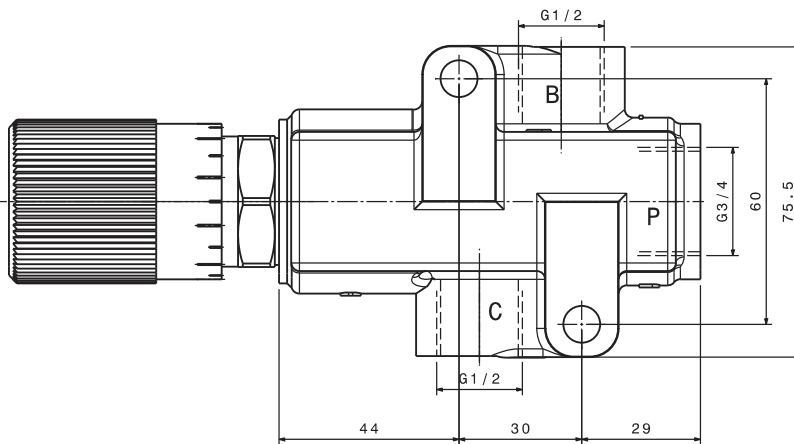
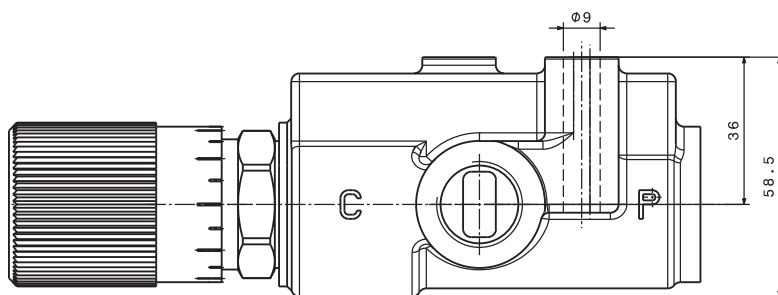
Corpo in ghisa
Cast iron body



Portata massima Max flow	100 l/min 26 gpm
Portata regolata Regulated flow	vedi tabella see table
Pressione massima Max pressure	350 bar 5000 psi

Campi di portata regolata Regulated flow range	
010	0 ÷ 10 l/min 0 ÷ 2.7 gpm
020	0 ÷ 20 l/min 0 ÷ 5.3 gpm
030	0 ÷ 30 l/min 0 ÷ 7.9 gpm
-	2 ÷ 50 l/min 0.5 ÷ 13 gpm

Regolazioni Adjustments	
A Vite esterna esagono incassato Leakproof hex socket screw	D Cappello Cap
(standard) Manopola Handknob	



Sigla di ordinazione / Ordering code

RF-G-VU - 010

Modello Type	Codice regolazione Adjustment code	Campi regolazione portata Regulated flow range
	- A D	- 010 0÷10 lpm 020 0÷20 lpm 030 0÷30 lpm

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

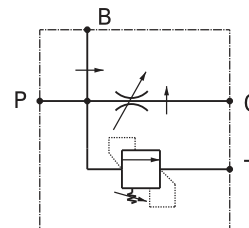
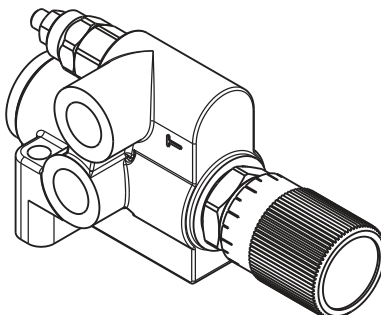
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

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 regolatrice di flusso compensata con valvola limitatrice di pressione, ghisa
 Pressure compensated flow regulator valve with relief valve, cast iron

mod. RF-GV

Corpo in ghisa
 Cast iron body

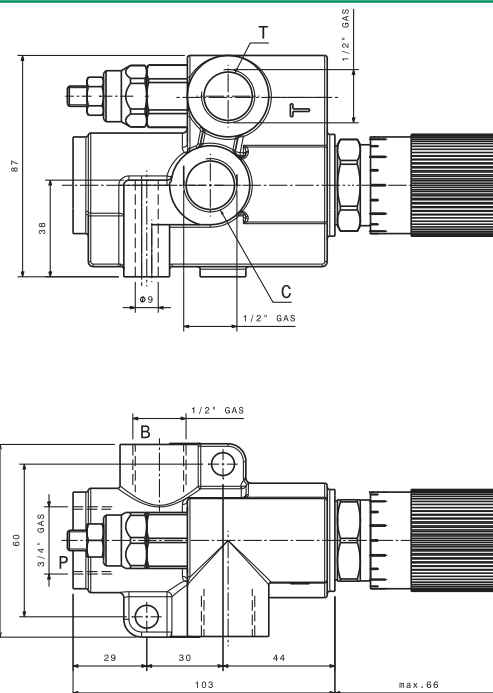


Portata massima <i>Max flow</i>	100 l/min 26 gpm	Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C <i>Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C</i>	
Portata regolata <i>Regulated flow</i>	Vedi tabella <i>see table</i>		
Pressione massima <i>Max pressure</i>	350 bar 5000 psi	Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
		Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Campi di portata regolata <i>Regulated flow range</i>		Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Campi di portata regolata Regulated flow range	
010	0 ÷ 10 l/min 0 ÷ 2.7 gpm
020	0 ÷ 20 l/min 0 ÷ 5.3 gpm
030	0 ÷ 30 l/min 0 ÷ 7.9 gpm
-	2 ÷ 50 l/min 0.5 ÷ 13 gpm

Taratura valvola di massima Setting relief valve		
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 regolatore Adjustments flow regulator	
A Vite esterna esagono incassato Leakproof hex socket screw	D Cappelotto cap
(standard) 	
Manopola Handknob	



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

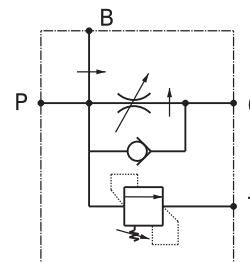
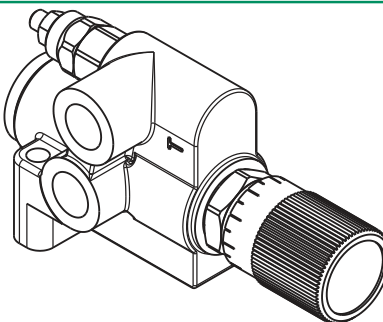
RFG-V	-	010	02	A
Modello Type	Codice regolazione Adjustment code	Campi regolazione portata Regulated flow range	Codice taratura Setting code	Codice regolazione v.massima Adjustment code relief valve
	- A D	010 0÷10 lpm 020 0÷20 lpm 030 0÷30 lpm - 2÷50 lpm	00, 01, 02, 03	A, B, C, D

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 regolatrice di flusso compensata con valvola limitatrice di pressione e di non ritorno, ghisa
Pressure compensated flow regulator valve with relief and check valves, cast iron

mod. RF-GV-VU

Corpo in ghisa
Cast iron body

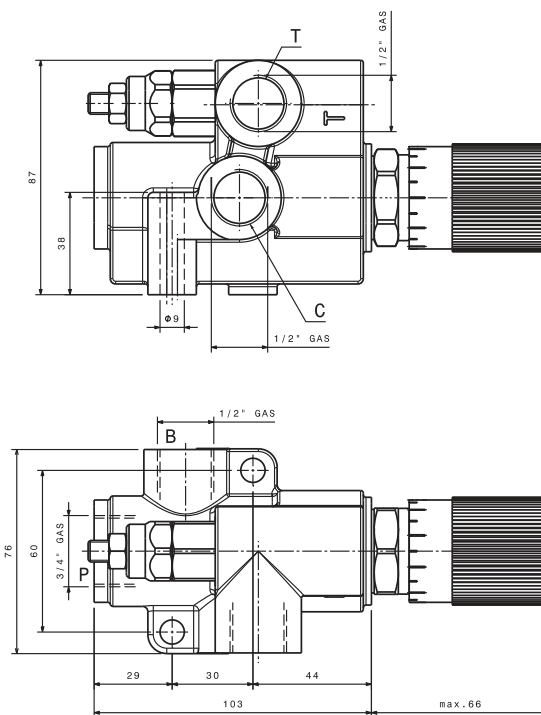


Portata massima <i>Max flow</i>	100 l/min 26 gpm	Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C <i>Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C</i>			
Portata regolata <i>Regulated flow</i>	Vedi tabella <i>see table</i>			Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Pressione massima <i>Max pressure</i>	350 bar 5000 psi			Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Campi di portata regolata <i>Regulated flow range</i>		Filtrazione assoluta <i>Absolute filtration</i>	25 µ		

Campi di portata regolata <i>Regulated flow range</i>	
010	0 ÷ 10 l/min 0 ÷ 2.7 gpm
020	0 ÷ 20 l/min 0 ÷ 5.3 gpm
030	0 ÷ 30 l/min 0 ÷ 7.9 gpm
-	2 ÷ 50 l/min 0.5 ÷ 13 gpm

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

Regolazioni regolatore <i>Adjustments flow regulator</i>	
A Vite esterna esagono incassato <i>Leakproof hex socket screw</i>	D Cappellotto <i>Cap</i>
(standard) Manopola <i>Handknob</i>	



Regolazioni valvola di massima <i>Adjustments Relief valve</i>	A Vite esterna esagono incassato <i>Leak-proof hex socket screw</i>	B Volantino e dado <i>Handknob and locknut</i>	C Piombatura <i>Sealing cap</i>	D Cappellotto <i>Cap</i>
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Sigla di ordinazione / Ordering code

RFGV-VU	-	010	02	A
Modello <i>Type</i>	Codice regolazione <i>Adjustment code</i>	Campi regolazione portata <i>Regulated flow range</i>	Codice taratura <i>Setting code</i>	Codice regolazione v.massima <i>Adjustment code relief valve</i>
	- A D	010 0÷10 lpm 020 0÷20 lpm 030 0÷30 lpm - 2÷50 lpm	00, 01, 02, 03	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.