



Euro SERVICES

Hydraulic inline valves



www.euroservicesgroup.com



Euro SERVICES

Indice - Index

HYDRAULIC VALVES AND COMPONENTS

Piccole valvole - *Small valves*

pag. 3 - 16



Valvole in linea - *In-line valves*

pag. 17 - 68



Valvole a cartuccia - *Cartridge Valves*

pag. 69 - 94



Basi e blocchi - *Hydraulic manifolds*

pag. 95 - 100



Componenti per minicentralina
Accessories for mini-power packs

pag. 101 - 106



Pompe e deviatori
Hand pumps and flow diverters

pag. 107 - 132



Accessori - *Accessories*

pag. 133 - 140



Applicazioni speciali / *Special applications*

pag. 141 - 143





Caratteristiche tecniche Technical features

OLIO OIL

Utilizzare esclusivamente olio idraulico a base minerale ISO 6743/4 (DIN 51524)
Use only ISO 6743/4 (DIN 51524) hydraulic mineral oil

VISCOSITA' VISCOSITY

Viscosità secondo i parametri ISO 3448 (DIN51519). Il grado di viscosità viene indicato con le lettere ISO VG seguito da un numero che indica la viscosità cinematica media a 40° C in mm²/s o centistokes (cSt)

Viscosità min. 15 mm ² /s	Viscosità max. 100 mm ² /s	Viscosità consigliata 46 mm ² /s
--------------------------------------	---------------------------------------	---

The viscosity must be according to ISO 3448 (DIN51519) standards. The viscosity degree is stated by ISO VG letters followed by a number showing the average kinematic viscosity at 40° C in mm²/s or centistokes (cSt)

Minimum viscosity 15 mm ² /s	Maximum viscosity 100 mm ² /s	Advised viscosity 46 mm ² /s
---	--	---

Gradi di viscosità ISO ISO viscosity degrees	Viscosità cinematica media Average kinematic viscosity mm ² /s at 40° C	Limiti viscosità cinematica Kinematic viscosity limits mm ² /s at 40° C	
		min.	max
ISO VG 15	15	13,5	16,5
ISO VG 22	22	19,8	24,2
ISO VG 32	32	28,8	35,2
ISO VG 46	46	41,4	50,6
ISO VG 68	68	61,2	74,8
ISO VG 100	100	90,0	110

FILTRAZIONE CONTAMINAZIONE FILTRATION CONTAMINATION

Tutti i costruttori di prodotti oleodinamici riconoscono che la eccessiva contaminazione del fluido è la principale causa del malfunzionamento negli impianti oleodinamici.

Filtrazione consigliata 15 micron - Classe di contaminazione 18/14 ISO 4406 (9 NAS 1638)

All manufacturers of hydraulic products recognize that excessive fluid contamination is the main cause of hydraulic installations bad working.
Advise filtration 15 microns - Contamination class 18/14 ISO 4406 (9 NAS 1638)

TEMPERATURA TEMPERATURE

Temperatura ambiente - 20° C + 50° C
Temperatura olio - 20° C + 80° C

Ambient temperature - 20° C + 50° C
Oil temperature - 20° C + 80° C

CONDIZIONI DI PROVA TESTING CONDITIONS

Tutte le curve di funzionamento riportate a catalogo sono state eseguite utilizzando olio minerale con grado di viscosità ISO VG46 alla temperatura di 40° C ed un grado di filtrazione assoluta di 15 micron.

All technical curves show in the present catalogue have been made using mineral oil with ISO VG46 viscosity degree at the temperature of 40° C and degree of absolute filtering of 15 micron.

I dati presenti nel catalogo possono essere soggetti a variazioni, pertanto OLEOWEB si riserva il diritto di apporre modifiche in qualunque momento e senza alcun preavviso.

OLEOWEB reserves the right to modify the products at any time and without notice: the technical data of the catalogue can consequently change.



Piccole valvole
Small valves



Euro
SERVICES

HYDRAULIC VALVES AND COMPONENTS



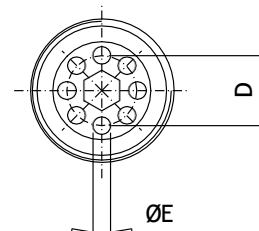
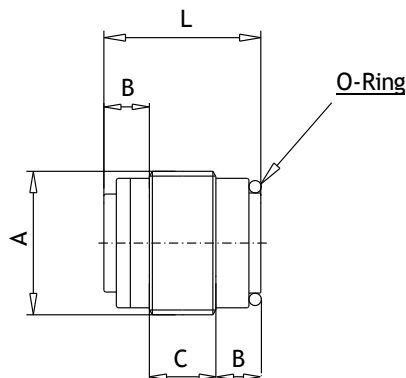
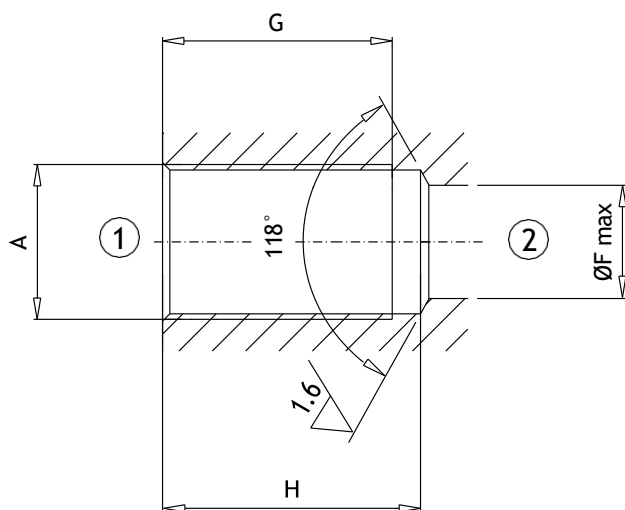
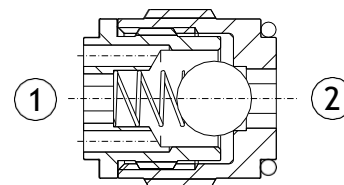
VUI

Valvole unidirezionali a sfera
Ball check valves

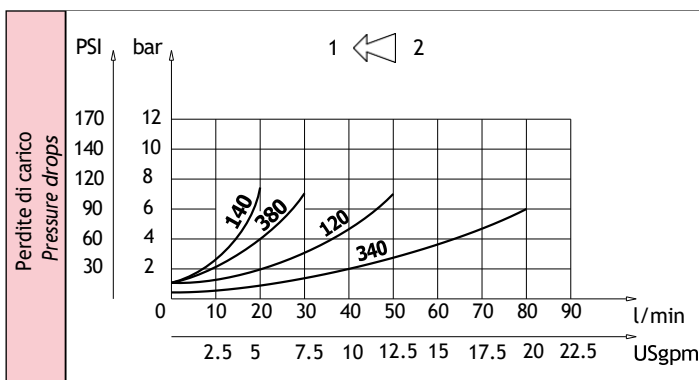


Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



Codice ordinazione Ordering code

VUI-X

X	Dimensione / Size
140	BSPP 1/4
380	BSPP 3/8
120	BSPP 1/2
340	BSPP 3/4

Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max ow l/min-USgpm	Pressione Max Max pressure bar/PSI	B	C	D	E	F	G	H	L	Coppia di serraggio Tightening torque Nm / lbf ft	O-Ring	Peso approssimativo Approx weight Kg / lb
VUI 140	BSPP 1/4	20 (5)	350 (5000)	55 (0.28)	6 (0.24)	6 (0.24)	1,3 (0.05)	7 (0.28)	28 (1.10)	31 (1.22)	17 (0.67)	6 (53)	9 x 1	0,012 (0.026)
VUI 380	BSPP 3/8	30 (8)			7,5 (0.30)	7,5 (0.30)	2 (0.08)	9 (0.35)	31 (1.22)	34 (1.34)	18,5 (0.73)		10,8 x 1,78	0,020 (0.044)
VUI 120	BSPP 1/2	50 (13)			7 (0.22)	8,5 (0.34)	10 (0.39)	2,5 (0.10)	12 (0.47)	35 (1.38)	38 (1.50)	10 (88)	14 x 1,78	0,036 (0.080)
VUI 340	BSPP 3/4	80 (21)			7,5 (0.30)	13,5 (0.53)	14 (0.55)	3,25 (0.13)	16 (0.63)	41 (1.61)	45 (1.77)	20 (177)	18,7 x 2,62	0,073 (0.16)



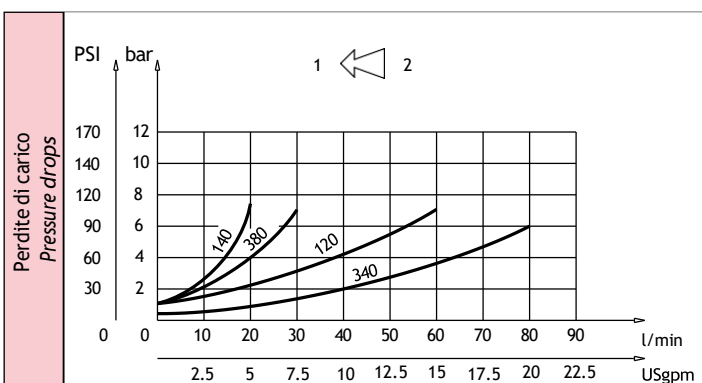
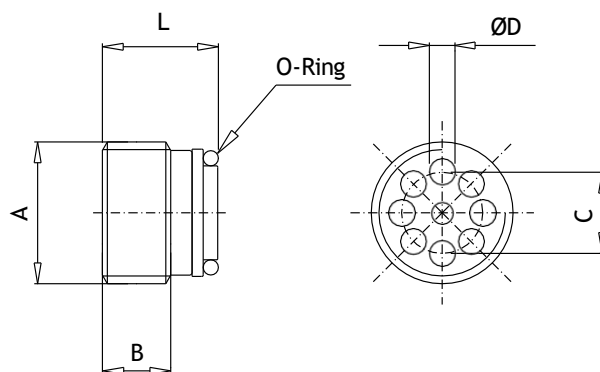
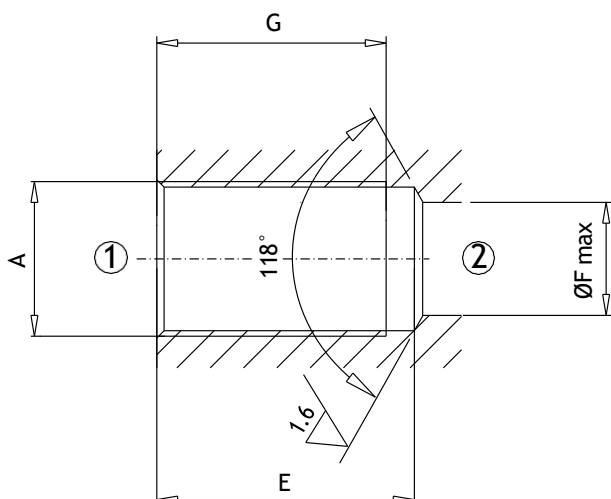
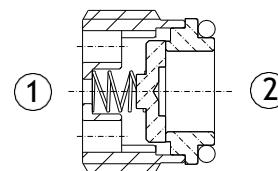
VUP

Valvole unidirezionali a disco
Disk check valves



Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



Chiave / Tool		
Dimensioni / Dimensions		
Codice Code	Valvola Valve	Peso Weight Kg / lb
61700005	VUP 140	0,12 (0.27)
61700006	VUP 380	0,13 (0.29)
61700003	VUP 120	0,15 (0.33)

Codice ordinazione Ordering code	
VUP-X	
X	Dimensione / Size
140	BSPP 1/4
380	BSPP 3/8
120	BSPP 1/2
340	BSPP 3/4

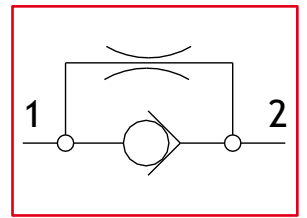
Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max ow l/min-USgpm	Pressione Max Max pressure bar/PSI	B	C	D	E	F	G	Coppia di serraggio Tightening torque Nm / lbt ft	O-Ring	Peso approssimativo Approx weight Kg / lb
VUP 140	BSPP 1/4	20 (5)	500 (7250)	6 (0.24)	7 (0.27)	62 (0.08)	24 (0.95)	7 (0.28)	22 (0.87)	6 (53)	9 x 1	0,010 (0.022)
VUP 380	BSPP 3/8	35 (9)		8 (0.31)	9,5 (0.37)	3 (0.12)	29 (1.14)	9 (0.35)	27 (1.06)	6 (53)	10,8 x 1,78	0,015 (0.033)
VUP 120	BSPP 1/2	60 (16)	350 (5000)	10 (0.39)	12 (0.47)	4 (0.16)	32 (1.26)	12 (0.47)	29 (1.14)	10 (88)	14 x 1,78	0,019 (0.042)
VUP 340	BSPP 3/4	80 (21)		10,5 (0.41)	16 (0.63)	4,75 (0.19)	37 (1.46)	16 (0.63)	33 (1.30)	20 (177)	18,7 x 2,62	0,042 (0.093)

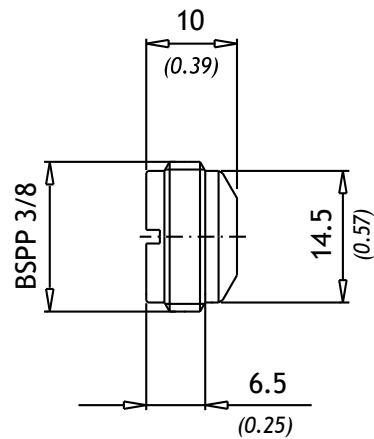
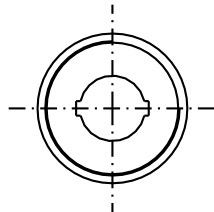
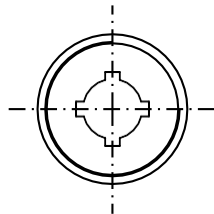
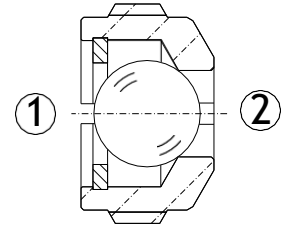


VS

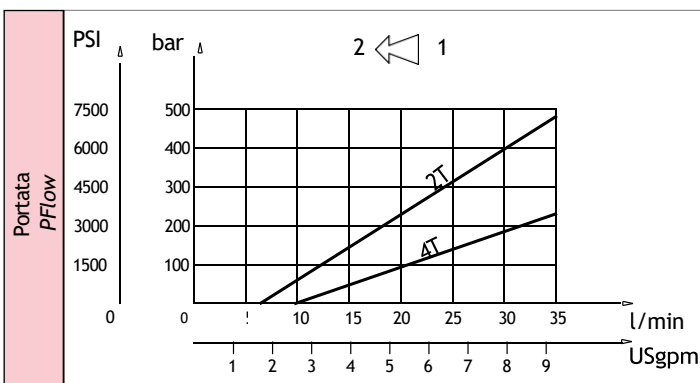
Valvole unidirezionali con trafilemento
Check valves with gap



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



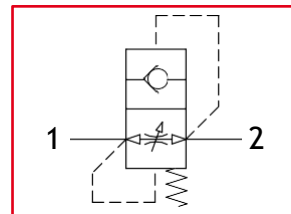
Caratteristiche tecniche Technical performances				
Codice Code	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Coppia di serraggio Tightening torque Nm / lbt ft	Peso approssimativo Approx weight Kg / lb
VS	35 (9)	500 (7000)	6 (4.5)	0,08 (0.06)

Codice ordinazione Ordering code			
VS-X-Y			
X	Dimensione / Size	Y	Tagli / Gaps
380	BSPP 3/8	2T	2 Tagli 2 Gaps
		4T	4 Tagli 4 Gaps

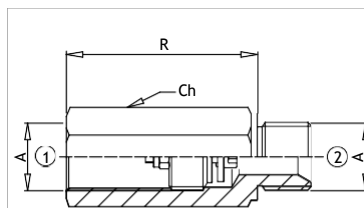


VUBA

Valvole Unidirezionali Registrabili
Adjustable check valves

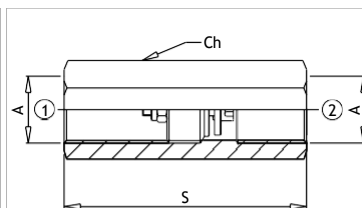


Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F



Colonnette / Housings M/F

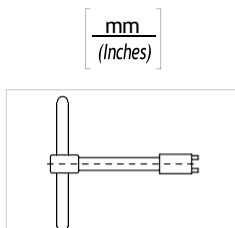
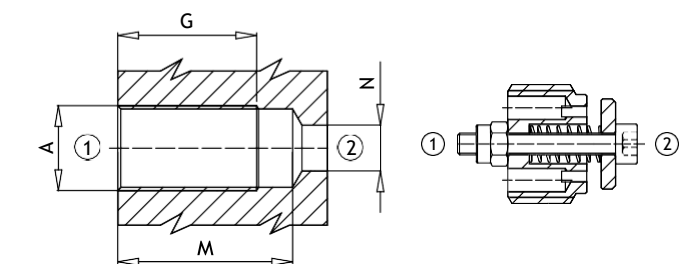
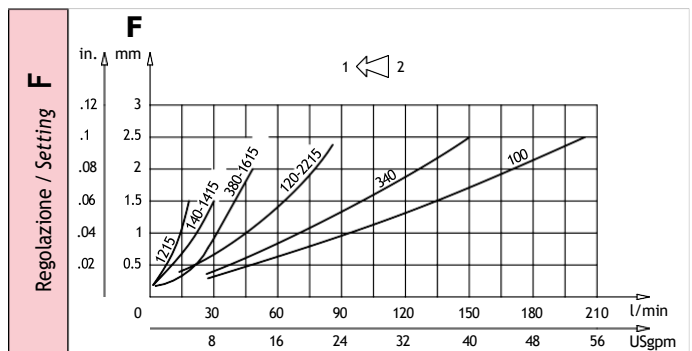
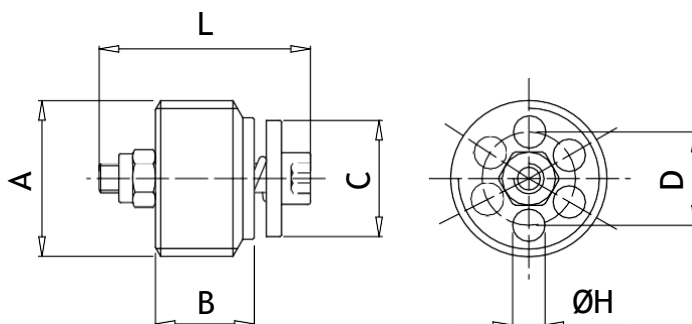
Dimensioni / Dimensions



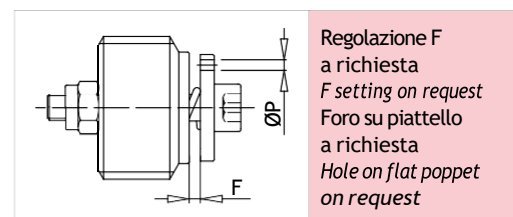
Colonnette / Housings F/F

Dimensioni / Dimensions

Code			Peso Weight Kg / lb	Code			Peso Weight Kg / lb
6110008	BSPP 1/4	39 (1.53)	0,07 (0.16)	61100092	BSPP 1/4	48 (1.89)	0,07 (0.16)
61100088	BSPP 3/8	45 (1.77)	0,09 (0.20)	61100093	BSPP 3/8	54 (2.13)	0,09 (0.20)
61100089	BSPP 1/2	52 (2.05)	0,15 (0.33)	61100094	BSPP 1/2	73 (2.87)	0,14 (0.30)
61100090	BSPP 3/4	61 (2.40)	0,23 (0.50)	61100095	BSPP 3/4	74 (2.91)	0,22 (0.49)



Chiave / Tool		
Dimensioni / Dimensions		
Code	A	Peso Weight Kg / lb
61700001	VUBA 140	0,12 (0.27)
61700002	VUBA 380	0,13 (0.29)
61700003	VUBA 120	0,15 (0.33)
61700004	VUBA 340	0,18 (0.40)



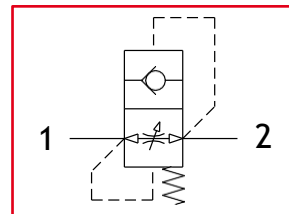
Codice ordinazione Ordering code		
VUBA - X - Y - K		
X	Dimensione / Size	Y
140	BSPP 1/4	F
380	BSPP 3/8	F
120	BSPP 1/2	F
340	BSPP 3/4	F
100	BSPP 1	F
1215	M12x1.5	K
1415	M14x1.5	K
1615	M16x1.5	K
2215	M22x1.5	K

Caratteristiche tecniche Technical performances												
Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	D	G	H	L	M	N	Peso approssimativo Approx weight Kg / lb
VUBA 140	BSPP 1/4	25 (6.5)	350 (5000)	8,2 (0.32)	10,4 (0.41)	8 (0.31)	25 (0.98)	2,5 (0.10)	19 (0.75)	35 (1.38)	7 (0.28)	0,007 (0.016)
VUBA 380	BSPP 3/8	50 (13)		11 (0.43)	12,7 (0.50)	10 (0.39)	30 (1.18)	3,25 (0.13)	23 (0.90)	41 (1.61)	9,5 (0.37)	0,013 (0.029)
VUBA 120	BSPP 1/2	80 (21)		13 (0.51)	15 (0.59)	11,5 (0.45)	33 (1.30)	4 (0.16)	29 (1.14)	46 (1.81)	12 (0.47)	0,024 (0.053)
VUBA 340	BSPP 3/4	150 (40)		18 (0.71)	18 (0.71)	14,5 (0.57)	42 (1.65)	5,2 (0.20)	34 (1.34)	55 (2.17)	16 (0.63)	0,047 (0.11)
VUBA 100	BSPP 1	180 (47)		20 (0.79)	26 (1.02)	19 (0.75)	48 (1.89)	7 (0.28)	40 (1.57)	63 (2.48)	22 (0.87)	0,1 (0.22)
VUBA 1215	M12x1.5	15 (4)		8,4 (0.33)	10 (0.39)	7,5 (0.29)	25 (0.98)	1,6 (0.06)	19 (0.75)	35 (1.38)	7 (0.28)	0,007 (0.016)
VUBA 1415	M14x1.5	25 (6.5)		11 (0.43)	11,5 (0.45)	9 (0.35)		2,5 (0.10)	23 (0.90)		3 (2.5)	0,012 (0.027)
VUBA 1615	M16x1.5	50 (13)		13 (0.51)	12,7 (0.50)	10 (0.39)	30 (1.18)	3,25 (0.13)	29 (1.14)	41 (1.62)	9,5 (0.37)	0,013 (0.029)
VUBA 2215	M22x1.5	80 (21)		13 (0.51)	15 (0.59)	11,5 (0.45)	33 (1.30)	4 (0.16)	29 (1.14)	46 (1.18)	12 (0.47)	0,024 (0.053)

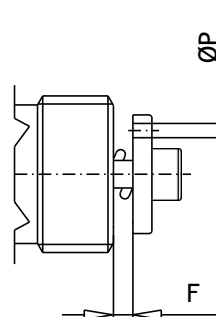
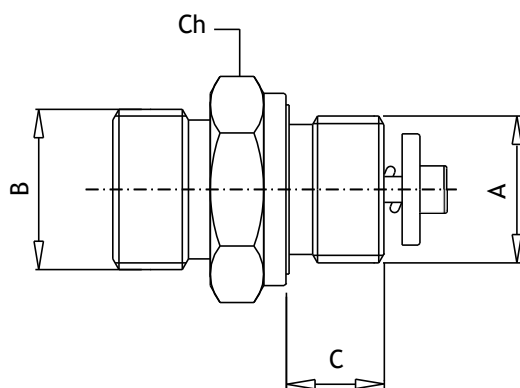
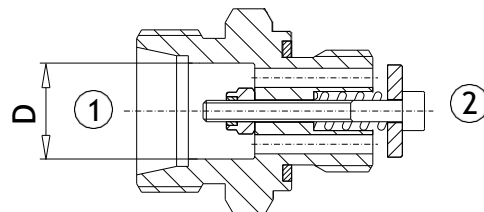


VUBADIN

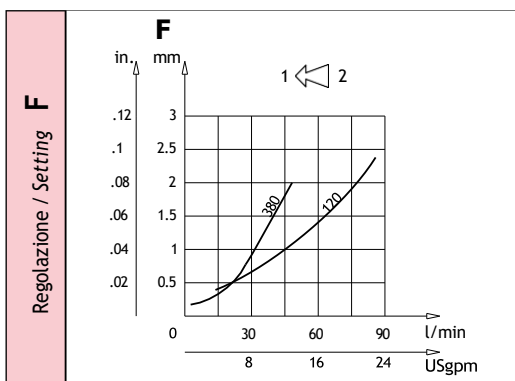
Valvole unidirezionali registrabili DIN
DIN Adjustable check valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



Codice ordinazione Ordering code			
VUBA-X-Y-K-Z			
X	Dimensione / Size	K	Regolazione / Setting
380	BSPP 3/8	F	Esempio: regolazione 0,7 mm Example: setting 0.7 mm F 0,7
120	BSPP 1/2		Omettere se non richiesto Omit if not required
Y	Dimensione / Size	Z	Foro sul piattello Hole on flat poppet
T10	Per tubo Ø 10 For Ø 10 pipe	P	Esempio: foro 1,5 mm Example: hole 1.5 mm P 1,5
T12	Per tubo Ø 12 For Ø 12 pipe		Omettere se non richiesto Omit if not required
T15	Per tubo Ø 15 For Ø 15 pipe		

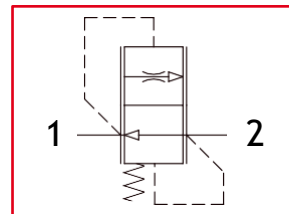
Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	D	Coppia max di serraggio raccordo (Nm) Max fitting tightening torque (lbt ft)	Coppia max di serraggio tubo (Nm) Max tightening torque for hose (lbt ft)	Peso approssimativo Approx weight Kg / lb
VUBA380T10	BSPP 3/8	50 (13)	315 (4500)	M16 x 1,5	11 (0.43)	10 (0.39)	70 (50)	20 (15)	0,035 (0.08)
VUBA380T12				M18 x 1,5		12 (0.47)		40 (30)	0,038 (0.085)
VUBA380T15				M22 x 1,5		15 (0.59)		70 (50)	0,040 (0.09)
VUBA120T15	BSPP 1/2	80 (21)			13 (0.51)		85 (65)		0,045 (0.10)

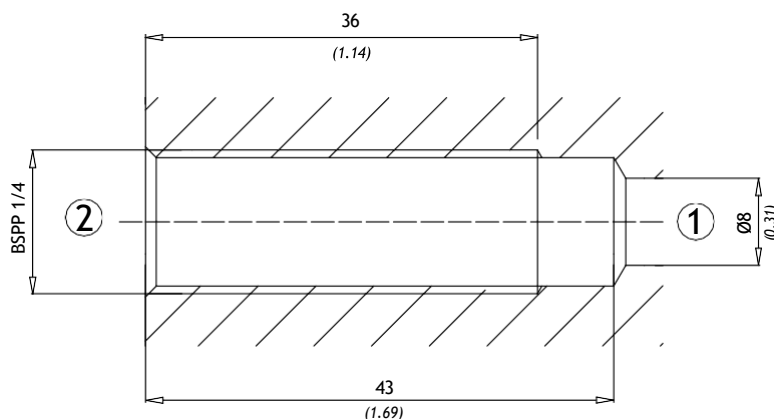
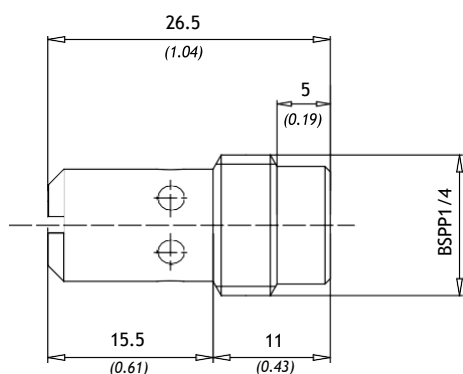
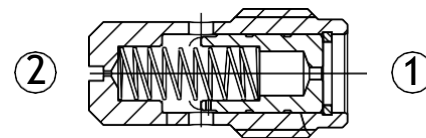


VCC140

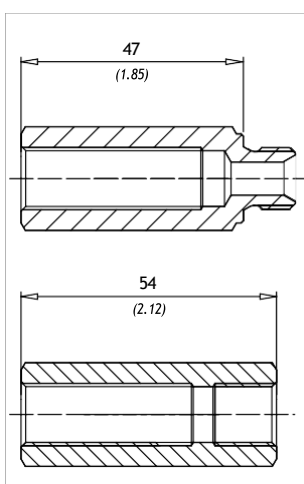
Valvole controllo discesa compensate fisse
Fixed compensated load control valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



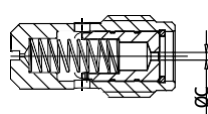
mm
(Inches)



Codice / Code
61100160

Codice / Code
61100159

Caratteristiche tecniche Technical performances				
Codice Code	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Coppia di serraggio (Nm) Tightening torque (lbt ft)
VCC140	12 (3)	250 (3600)	0,015 (0.033)	6 (4.5)

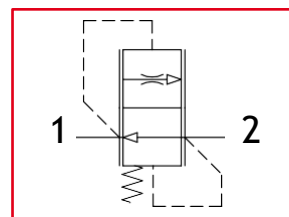
	
Codice Code	Ø C
VCC1401	Ø 1 (Ø 0.039)
VCC1402	Ø 1,2 (Ø 0.047)
VCC1403	Ø 1,5 (Ø 0.059)
VCC1404	Ø 1,7 (Ø 0.067)
VCC1405	Ø 1,9 (Ø 0.075)
VCC1406	Ø 2,1 (Ø 0.083)
VCC1407	Ø 2,3 (Ø 0.090)
VCC1408	Ø 2,5 (Ø 0.098)
VCC1409	Ø 2,7 (Ø 0.106)
VCC14010	Ø 2,8 (Ø 0.110)
VCC14011	Ø 2,9 (Ø 0.114)
VCC14012	Ø 3 (Ø 0.118)

Codice ordinazione Ordering code	
VCC140 - Y	
Y	Portata controllata a 100 bar ± 10% Controlled flow at 100 bar ± 10 %
1	1 l/min (0.25 USgpm)
2	2 l/min (0.5 USgpm)
3	3 l/min (0.75 USgpm)
4	4 l/min (1 USgpm)
5	5 l/min (1.25 USgpm)
6	6 l/min (1.5 USgpm)
7	7 l/min (1.75 USgpm)
8	8 l/min (2 USgpm)
9	9 l/min (2.25 USgpm)
10	10 l/min (2.5 USgpm)
11	11 l/min (2.75 USgpm)
12	12 l/min (3 USgpm)

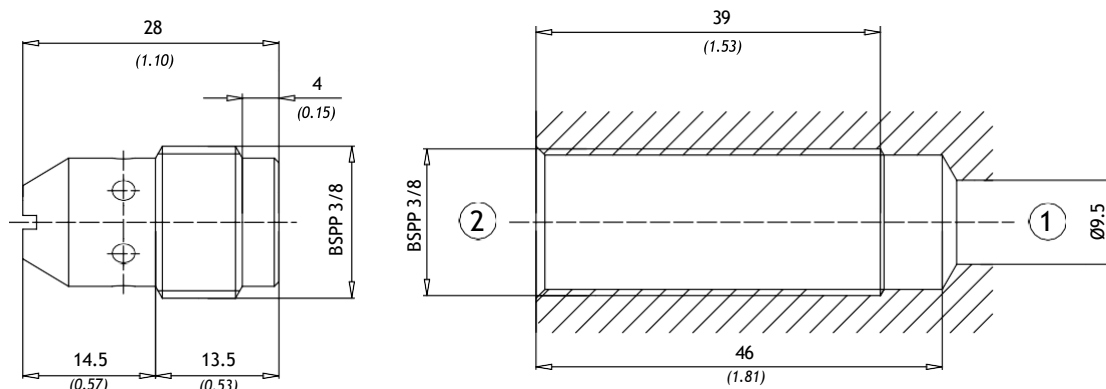
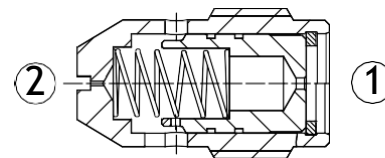


VCC380

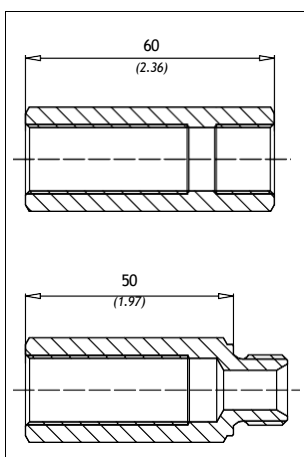
Valvole controllo discesa compensate fisse
Fixed compensated load control valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F

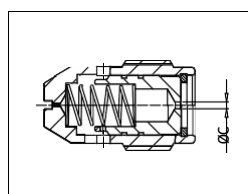


mm
(Inches)



Codice / Code
61100161

Codice / Code
61100162



Codice Code	Ø C
VCC3801	Ø 0,6 (Ø 0.023)
VCC3802	Ø 1,1 (Ø 0.043)
VCC3803	Ø 1,5 (Ø 0.059)
VCC3804	Ø 2 (Ø 0.078)
VCC3805	Ø 2,2 (Ø 0.086)
VCC3806	Ø 2,5 (Ø 0.098)
VCC3807	Ø 2,7 (Ø 0.106)
VCC3808	Ø 2,9 (Ø 0.114)
VCC3809	Ø 3 (Ø 0.118)
VCC38010	Ø 3,5 (Ø 0.137)
VCC38011	Ø 3,6 (Ø 0.141)
VCC38012	Ø 4 (Ø 0.157)
VCC38016	Ø 5 (Ø 0.196)
VCC38018	Ø 5,5 (Ø 0.216)

Codice ordinazione Ordering code	
VCC380 - Y	
Y	Portata controllata a 100 bar ± 10% Controlled flow at 100 bar ± 10 %
1	1 l/min (0.25 USgpm)
2	2 l/min (0.5 USgpm)
3	3 l/min (0.75 USgpm)
4	4 l/min (1 USgpm)
5	5 l/min (1.25 USgpm)
6	6 l/min (1.5 USgpm)
7	7 l/min (1.75 USgpm)
8	8 l/min (2 USgpm)
9	9 l/min (2.25 USgpm)
10	10 l/min (2.5 USgpm)
11	11 l/min (2.75 USgpm)
12	12 l/min (3 USgpm)
16	16 l/min (4.25 USgpm)
18	18 l/min (4.75 USgpm)

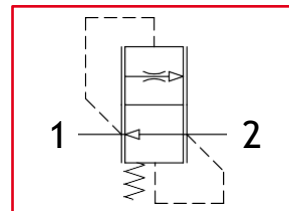
Caratteristiche tecniche Technical performances

Codice Code	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Coppia di serraggio (Nm) Tightening torque (lbt ft)
VCC380	18 (5)	250 (3600)	0,022 (0.05)	6 (4.5)

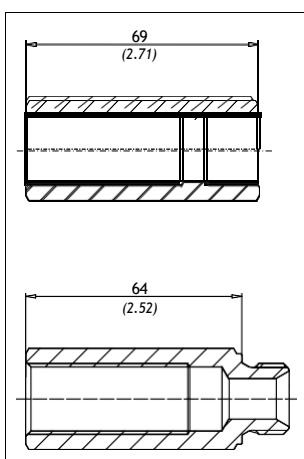
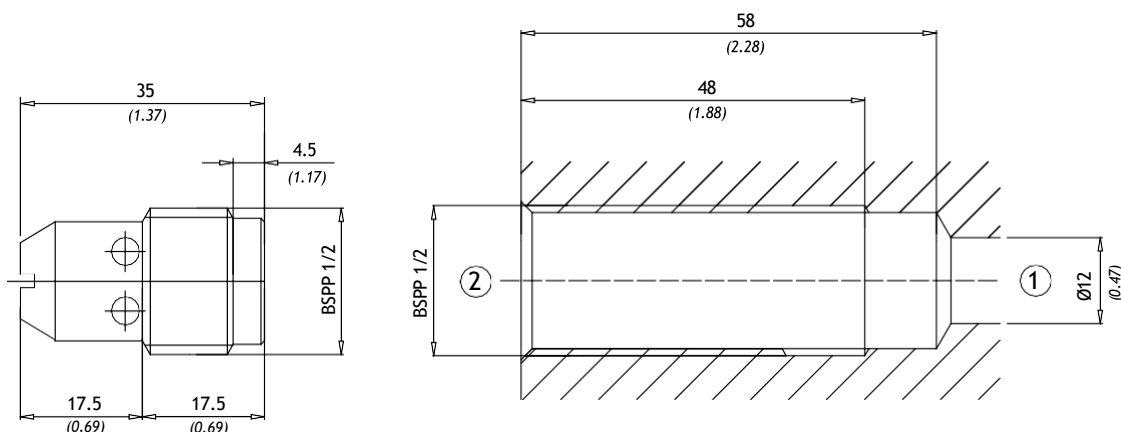
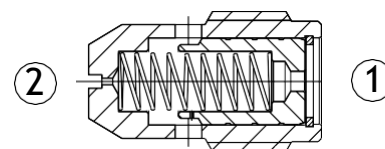


VSC120

Valvole controllo discesa compensate fisse
Fixed compensated load control valves



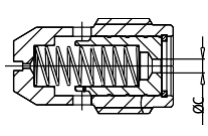
Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



Codice / Code
61100163

Codice / Code
61100033

Caratteristiche tecniche Technical performances				
Codice Code	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Coppia di serraggio (Nm) Tightening torque (lbt ft)
VSC120	47 (12)	210 (3000)	0,048 (0.1)	10 (7.5)

	
Codice Code	Ø C
VSC1209	Ø 2,5 (Ø 0.098)
VSC12012	Ø 3 (Ø 0.118)
VSC12017	Ø 3,5 (Ø 0.137)
VSC12021	Ø 4 (Ø 0.157)
VSC12027	Ø 4,5 (Ø 0.117)
VSC12032	Ø 5 (Ø 0.196)
VSC12040	Ø 5,5 (Ø 0.216)
VSC12047	Ø 6 (Ø 0.236)

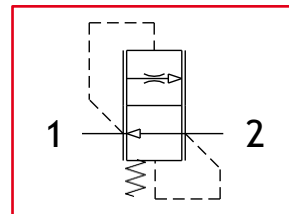
Codice ordinazione Ordering code	
VSC120 - Y	
Y	Portata controllata a 100 bar ± 10% Controlled flow at 100 bar ± 10 %
9	9 l/min (2.25 USgpm)
12	12 l/min (3 USgpm)
17	17 l/min (4.5 USgpm)
21	21 l/min (5.5 USgpm)
27	27 l/min (7 USgpm)
32	32 l/min (8.5 USgpm)
40	40 l/min (10.5 USgpm)
47	47 l/min (12.5 USgpm)

mm
(Inches)

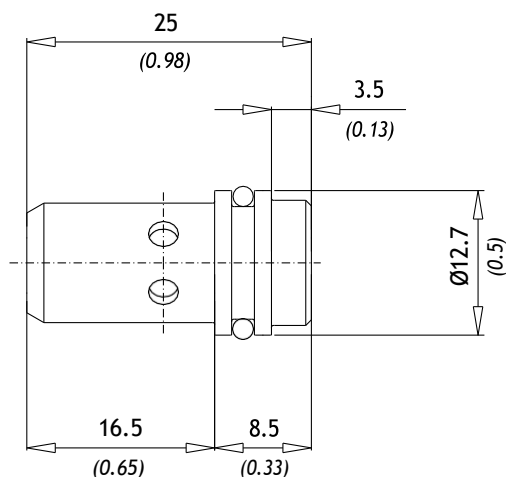
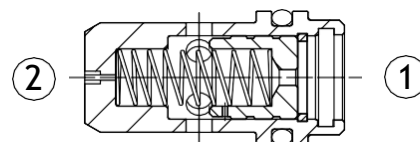


VSCR6

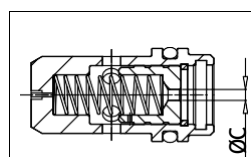
Valvole controllo discesa compensate fisse
Fixed compensated load control valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



Codice Code	Ø C
VSCR61	Ø 0,8 (Ø 0.031)
VSCR62	Ø 1 (Ø 0.039)
VSCR63	Ø 1,25 (Ø 0.049)
VSCR64	Ø 1,5 (Ø 0.059)
VSCR65	Ø 1,75 (Ø 0.069)
VSCR66	Ø 2 (Ø 0.078)
VSCR67	Ø 2,5 (Ø 0.098)
VSCR68	Ø 2,75 (Ø 0.108)
VSCR69	Ø 3 (Ø 0.118)
VSCR610	Ø 3,5 (Ø 0.137)
VSCR611	Ø 3,75 (Ø 0.147)
VSCR612	Ø 4 (Ø 0.157)
VSCR613	Ø 4,25 (Ø 0.167)
VSCR615	Ø 5 (Ø 0.196)

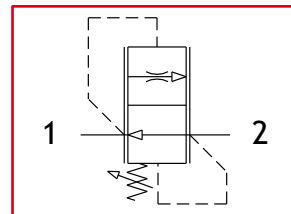
Caratteristiche tecniche Technical performances			
Codice Code	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb
VSCR6	12 (3)	250 (3600)	0,015 (0.033)

Codice ordinazione Ordering code	
VSCR6 - Y	
Y	Portata controllata a 100 bar ± 10% Controlled flow at 100 bar ± 10 %
1	1 l/min (0.25 USgpm)
2	2 l/min (0.5 USgpm)
3	3 l/min (0.75 USgpm)
4	4 l/min (1 USgpm)
5	5 l/min (1.25 USgpm)
6	6 l/min (1.5 USgpm)
7	7 l/min (1.75 USgpm)
8	8 l/min (2 USgpm)
9	9 l/min (2.25 USgpm)
10	10 l/min (2.5 USgpm)
11	11 l/min (2.75 USgpm)
12	12 l/min (3 USgpm)
13	13 l/min (3.5 USgpm)
15	14 l/min (4 USgpm)

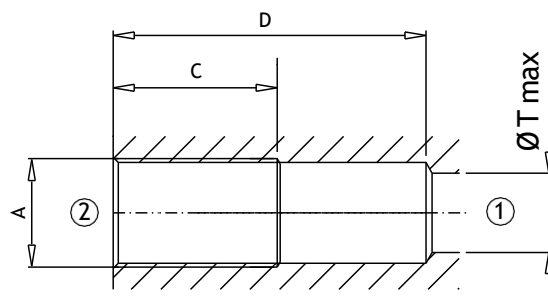
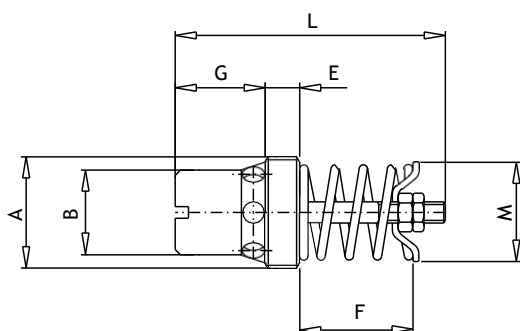
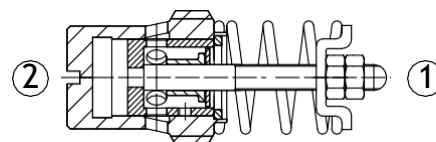


VRD

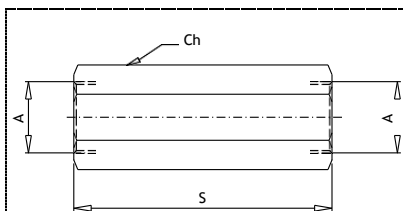
Valvole controllo discesa compensate regolabili
Adjustable compensated flow control valves



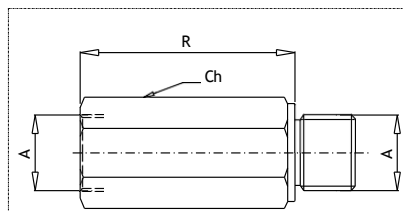
Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



Colonna / Housings M/F		
Dimensioni / Dimensions		
Codice Code	A	Peso / Weight Kg / lb
61100051	BSPP 1/4	0,11 (0.16)
61100052	BSPP 3/8	0,12 (0.20)
61100053	BSPP 1/2	0,20 (0.33)
61100054	BSPP 3/4	0,29 (0.50)



Colonna / Housings F/F		
Dimensioni / Dimensions		
Codice Code	A	Peso / Weight Kg / lb
61100057	BSPP 1/4	0,11 (0.16)
61100058	BSPP 3/8	0,14 (0.20)
61100059	BSPP 1/2	0,24 (0.30)
61100060	BSPP 3/4	0,34 (0.48)

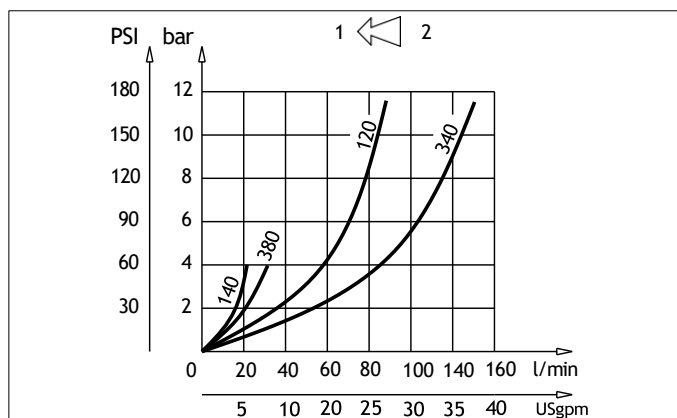
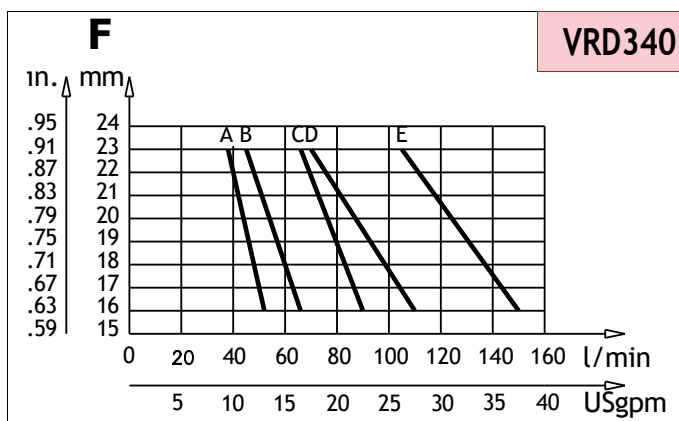
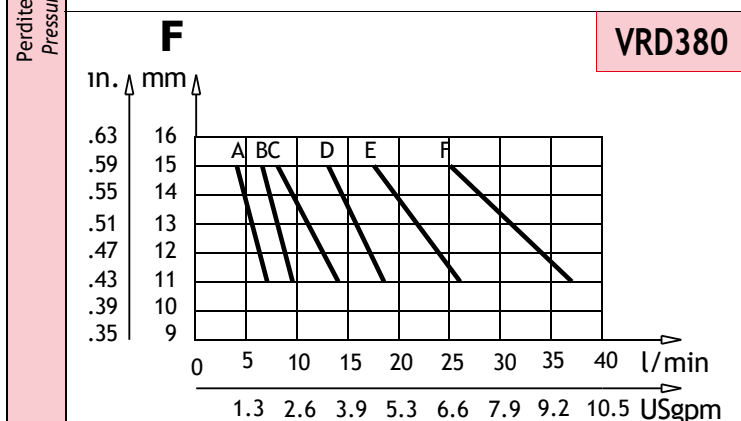
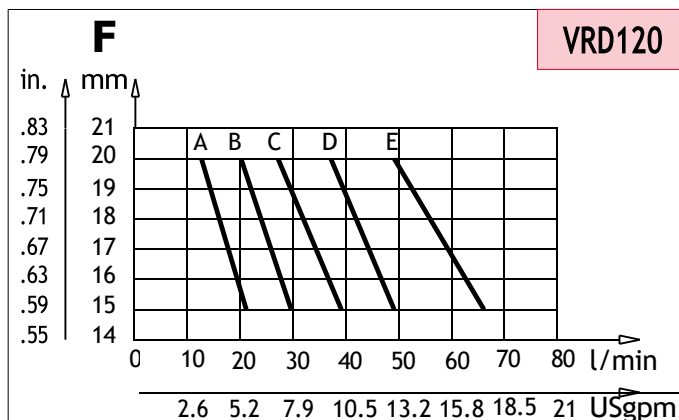
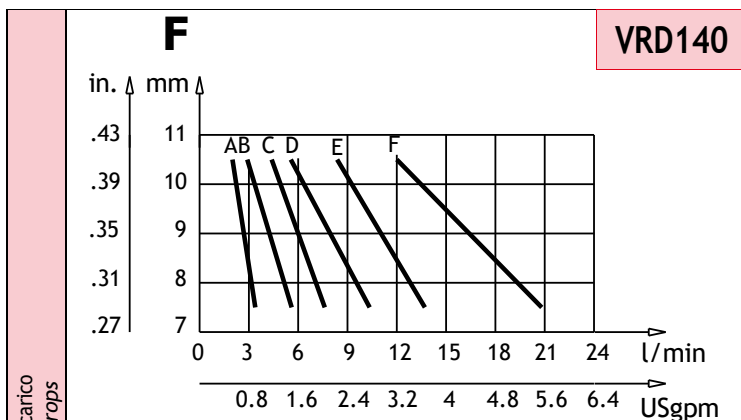
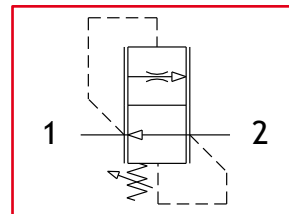
Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	D	E	T	G	L	M	R	S	Ch	Peso approssimativo Approx weight Kg / lb
VRD140	BSPP 1/4	20 (5.3)	300 (4350)	10 (0.39)	33 (1.30)	53 (2.09)	6 (0.24)	7 (0.28)	13,5 (0.53)	39 (1.54)	10 (0.39)	57 (2.24)	66 (2.60)	19 (0.75)	0,013 (0.029)
VRD380	BSPP 3/8	35 (9.2)		12,5 (0.49)	36 (1.42)	60 (2.63)	5 (0.20)	9,5 (0.37)	15,5 (0.61)	45 (1.77)	14 (0.55)	64 (2.52)	73 (2.87)	22 (0.87)	0,024 (0.053)
VRD120	BSPP 1/2	65 (17.1)		16 (0.63)	39 (1.54)	63 (2.48)	7 (0.28)	12 (0.47)	16 (0.63)	51 (2.01)	18 (0.71)	69 (2.72)	81 (3.19)	27 (1.06)	0,037 (0.082)
VRD340	BSPP 3/4	150 (40)		20 (0.79)	50 (1.97)	81 (3.19)	10 (0.39)	16 (0.63)	21 (0.83)	62 (2.44)	23 (0.91)	87 (3.43)	99 (3.90)	32 (1.26)	0,077 (0.17)



VRD

Valvole controllo discesa compensate regolabili
Adjustable compensated flow control valves



Codice ordinazione
Ordering code

VRD - X - Y - K

X	Dimensione / Size	Campo di regolazione Flow Range	Y	Portata controllata a 50 bar ± 0,10 l/min Controlled flow at 50 bar ± 0.10 USgpm						K	Regolazione / Setting
				A	B	C	D	E	F		
140	BSPP 1/4		VRD140	0,8 / 7 (0.2 / 1.9)	1,5 / 9,5 (0.4 / 2.5)	2,3 / 14 (0.6 / 3.7)	4 / 18,5 (1 / 4.9)	6 / 26 (1.6 / 6.8)	8 / 37 (2.1 / 9.7)	F ₁₅	Esempio: regolazione 15 mm Example: setting 15 mm F 15
380	BSPP 3/8		VRD380	4 / 7 (1 / 1.9)	6,5 / 9,5 (1.7 / 2.5)	8 / 14 (2.1 / 3.7)	13 / 18,5 (3.4 / 4.9)	17,5 / 26 (4.6 / 6.8)	25 / 37 (6.6 / 9.7)		
120	BSPP 1/2		VRD120	12,5 / 21 (3.3 / 5.5)	20 / 29,5 (5.3 / 7.8)	27 / 39 (7.1 / 10.3)	37 / 49 (9.7 / 12.9)	49 / 66 (12.9 / 17.4)	-		Omettere se non richiesto Omit if not required
340	BSPP 3/4		VRD340	38 / 52 (10 / 13.7)	45 / 66 (12 / 17.4)	66 / 90 (17.4 / 23.8)	70 / 110 (18.5 / 29)	115 / 150 (30 / 40)	-		



Valvole in linea
In-line valves



Euro
SERVICES

HYDRAULIC VALVES AND COMPONENTS



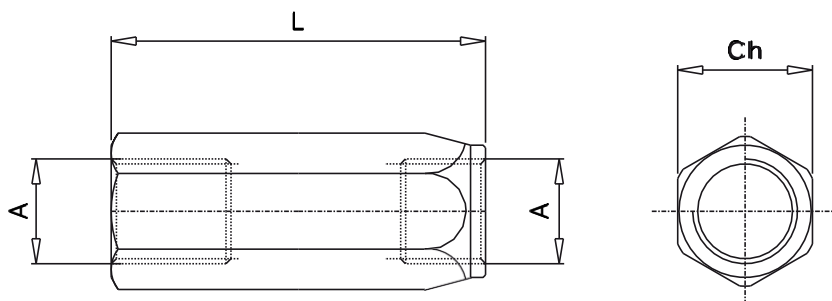
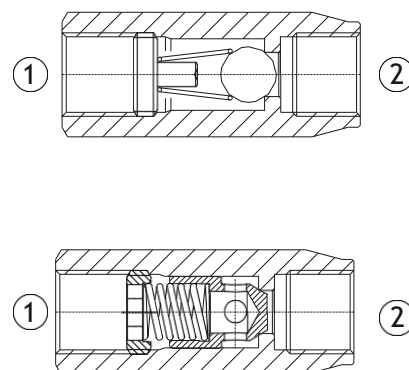
VUR-BSP

Valvole unidirezionali
Check valves

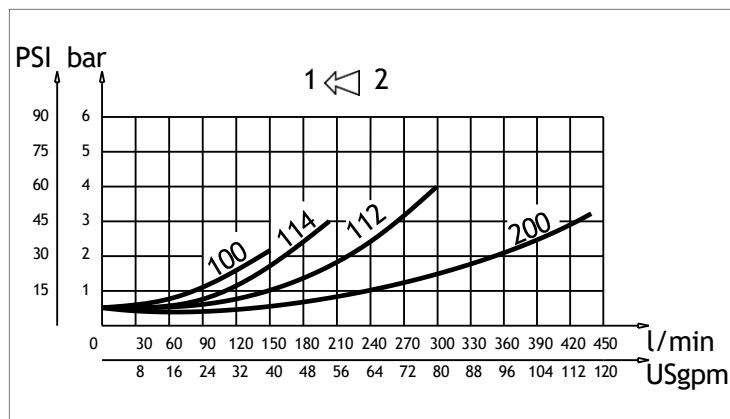
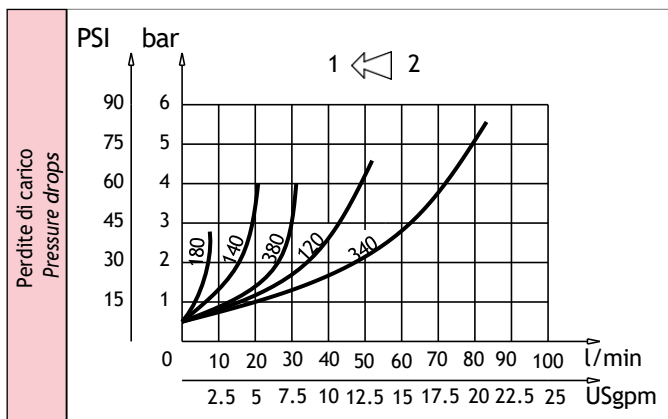


Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F



mm
(Inches)



Caratteristiche tecniche Technical performances						
Codice Code	A	Portata Max Max ow l/min-USgpm	Pressione Max Max pressure bar/PSI	L	Ch	Peso approssimativo Approx weight Kg / lb
VUR 180	BSPP 1/8	5 (1.3)	400 (5800)	47 (1.85)	14 (0.55)	0,05 (0,11)
VUR 140	BSPP 1/4	15 (4)	350 (5000)	55 (2.16)	19 (0.75)	0,10 (0,22)
VUR 380	BSPP 3/8	30 (8)		65 (2.56)	24 (0.94)	0,18 (0,40)
VUR 120	BSPP 1/2	50 (13)	320 (4600)	75 (2.95)	27 (1.06)	0,31 (0,70)
VUR 340	BSPP 3/4	90 (23)	300 (4350)	86,5 (3.41)	35 (1.38)	0,45 (1)
VUR 100	BSPP 1	150 (40)	250 (3600)	110 (4.33)	41 (1.61)	0,95 (2,10)
VUR 114	BSPP 1-1/4	200 (50)		123 (4.84)	55 (2.16)	1,49 (3,30)
VUR 112	BSPP 1-1/2	300 (80)	210 (3000)	138 (5.43)	60 (2.36)	2,40 (5,30)
VUR 200	BSPP 2	430 (110)	150 (2100)	160 (6.30)	70 (2.76)	3 (6,60)

Codice ordinazione Ordering code			
VUR - X - Y - K			
X	Dimensione / Size	Y	Tenuta / Sealing
180	BSPP 1/8	SF	Tenuta a sfera solo per VUR 180/140/380/120 Ball sealing only for VUR 180/140/380/120
140	BSPP 1/4		
380	BSPP 3/8		
120	BSPP 1/2	SP	Tenuta a cono Poppet sealing
340	BSPP 3/4		
100	BSPP 1	K	Molla / Spring
114	BSPP 1-1/4	1	1 bar Standard
112	BSPP 1-1/2	3	3 bar
200	BSPP 2	6	6 bar



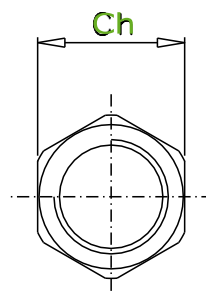
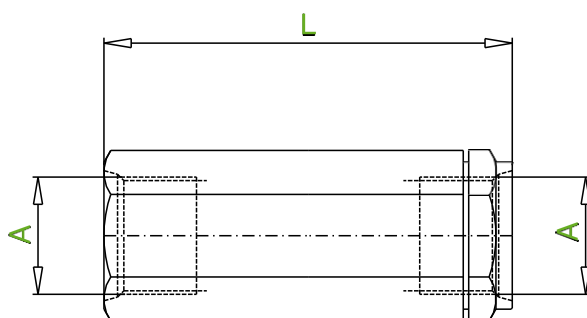
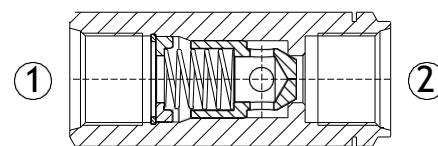
VUR-SAE

Valvole unidirezionali
Check valves

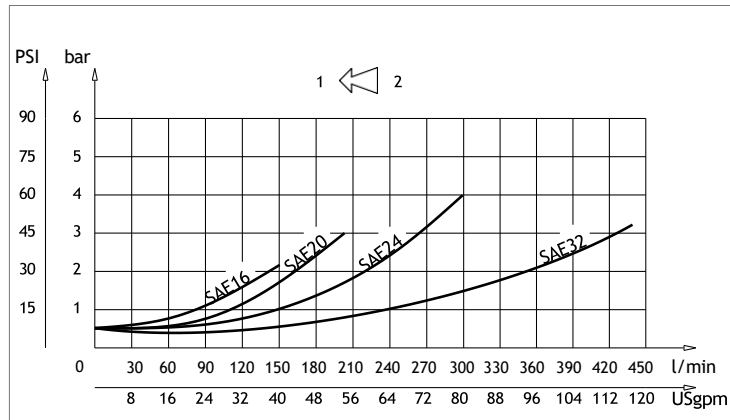
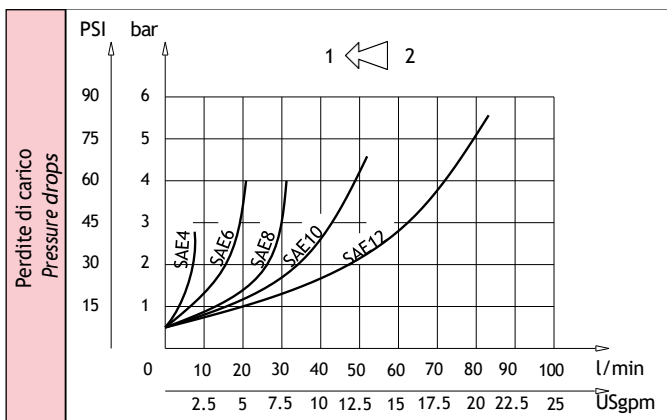


Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



Caratteristiche tecniche Technical performances						
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar / PSI	L	Ch	Peso approssimativo Approx weight Kg / lb
VUR 4 SAE	7/16 - 20 UNF	5 (1.3)	400 (5800)	55 (2.16)	19 (0.75)	0,05 (0.11)
VUR 6 SAE	9/16 - 18 UNF	15 (4)		58 (2.28)	19 (0.75)	0,10 (0.22)
VUR 8 SAE	3/4 - 16 UNF	30 (8)		69 (2.71)	24 (0.94)	0,18 (0.40)
VUR 10 SAE	7/8 - 14 UNF	50 (13)		75 (2.95)	27 (1.06)	0,31 (0.70)
VUR 12 SAE	1-1/16-12 UNF	90 (23)	350 (5000)	88,5 (3.48)	35 (1.38)	0,45 (1)
VUR 16 SAE	1-5/16-12 UNF	150 (40)		110 (4.33)	41 (1.61)	0,95 (2.1)
VUR 20 SAE	1-5/8-12 UNF	200 (50)		120 (4.72)	55 (2.16)	1,49 (3.30)
VUR 24 SAE	1-7/8-12 UNF	300 (80)		138 (5.43)	60 (2.36)	2,40 (5.30)
VUR 32 SAE	2-1/2-12 UNF	430 (110)			75 (2.97)	3 (6.60)

Codice ordinazione Ordering code			
VUR-X-SAE-Y-K			
X	Dimensione / Size	Y	Tenuta / Sealing
4	7/16 - 20 UNF	SP	Tenuta a cono Poppet sealing
6	9/16 - 18 UNF		
8	3/4 - 16 UNF		
10	7/8 - 14 UNF		
12	1-1 / 16-12 UNF	K	Molla / Spring
16	1-5 / 16-12 UNF		
20	1-5 / 8-12 UNF		
24	1-7 / 8-12 UNF		
32	2-1 / 2-12 UNF		
		1	1 bar Standard
		3	3 bar
		6	6 bar



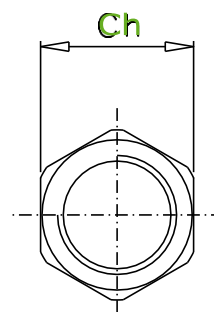
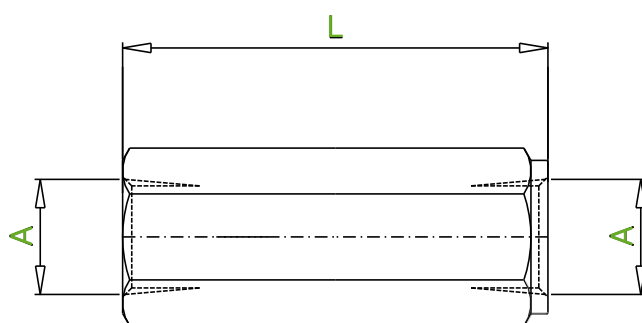
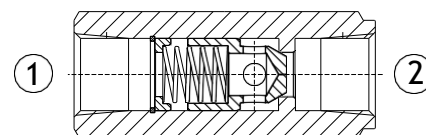
VUR-NPTF

Valvole unidirezionali
Check valves

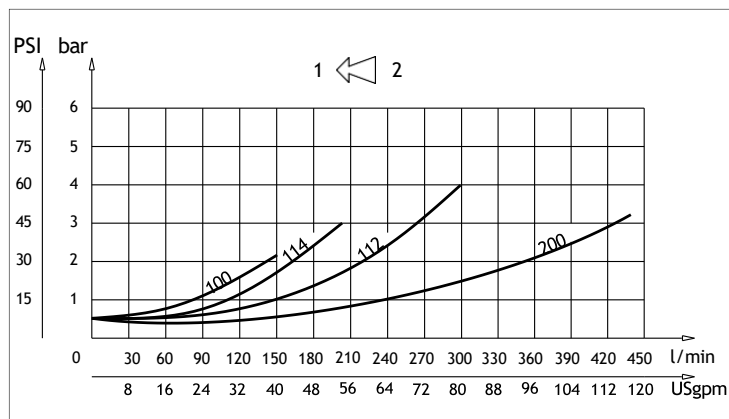
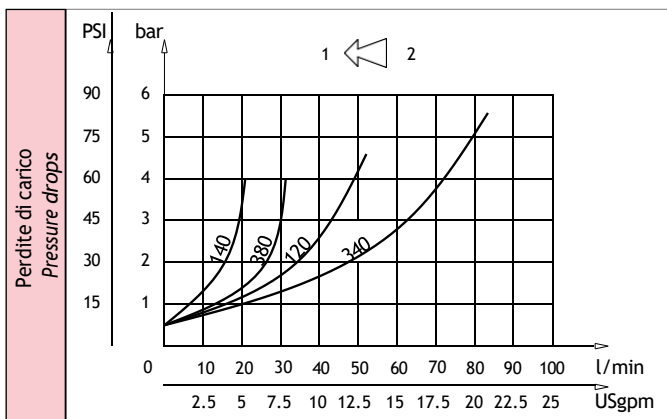


Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	L	Ch	Peso approssimativo Approx weight Kg / lb
VUR 140 NPTF	1/4 NPTF	15 (4)	400 (5800)	58 (2.28)	19 (0.75)	0,10 (0.22)
VUR 380 NPTF	3/8 NPTF	30 (8)		69 (2.72)	24 (0.94)	0,18 (0.40)
VUR 120 NPTF	1/2 NPTF	50 (13)		75 (2.95)	27 (1.06)	0,31 (0.70)
VUR 340 NPTF	3/4 NPTF	90 (23)		88,5 (3.48)	35 (1.38)	0,45 (1)
VUR 100 NPTF	1 NPTF	150 (40)	350 (5000)	110 (4.33)	41 (1.61)	0,95 (2.10)
VUR 114 NPTF	1-1/4 NPTF	200 (50)		120 (4.72)	55 (2.16)	1,49 (3.30)
VUR 112 NPTF	1-1/2 NPTF	300 (80)		138 (5.43)	60 (2.36)	2,40 (5.30)
VUR 200 NPTF	2 NPTF	430 (110)			75 (2.95)	3 (6.60)

Codice ordinazione Ordering code

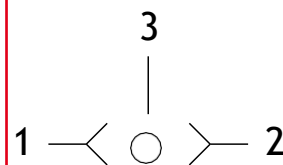
VUR-X-NPTF-Y-K

X	Dimensione / Size	Y	Tenuta / Sealing
140	1/4 NPTF	SP	Tenuta a cono Poppet sealing
380	3/8 NPTF		
120	1/2 NPTF		
340	3/4 NPTF	K	Molla / Spring
100	1 NPTF		
114	1 - 1/4 NPTF		
112	1 - 1/2 NPTF		
200	2 NPTF	6	6 bar

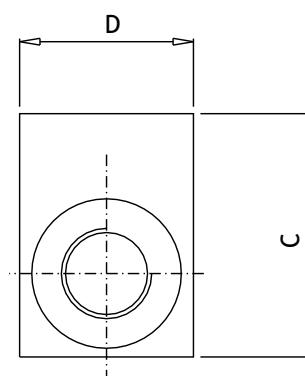
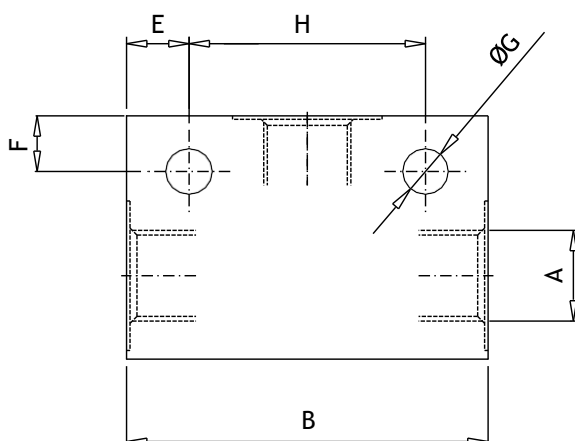
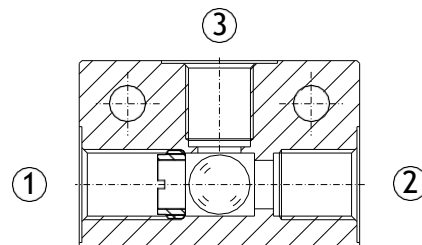


VUSF

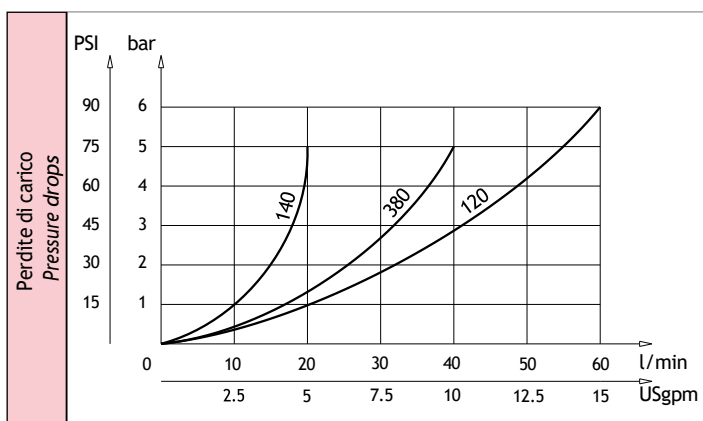
Valvole selettrici
Load shuttle-ball valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



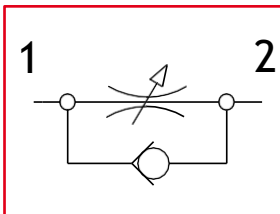
Caratteristiche tecniche Technical performances											
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	D	E	F	G	H	Peso approssimativo Approx weight Kg / lb
VUSF 140	BSPP 1/4	20 (5)	350 (5000)	52 (2.047)	35 (1.38)	25 (0.98)	9 (0.35)	8 (0.31)	6,5 (0.26)	34 (1.34)	0,29 (0.65)
VUSF 380	BSPP 3/8	40 (10)		60 (2.362)	40 (1.57)		8 (0.31)			44 (1.73)	0,35 (0.80)
VUSF 120	BSPP 1/2	60 (15)		70 (2.756)	50 (1.97)	30 (1.18)	10 (0.39)	10 (1.38)	8,5 (0.33)	50 (1.97)	0,65 (0.15)

Codice ordinazione Ordering code	
VUSF-X-N	
X	Dimensione / Size
140	BSPP 1/4
380	BSPP 3/8
120	BSPP 1/2

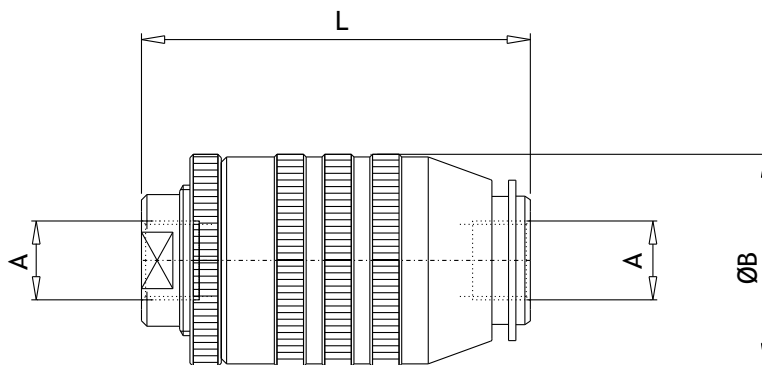
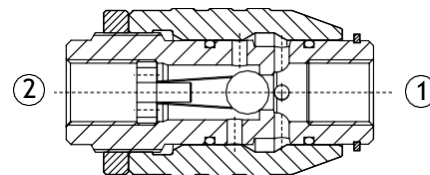


VURF

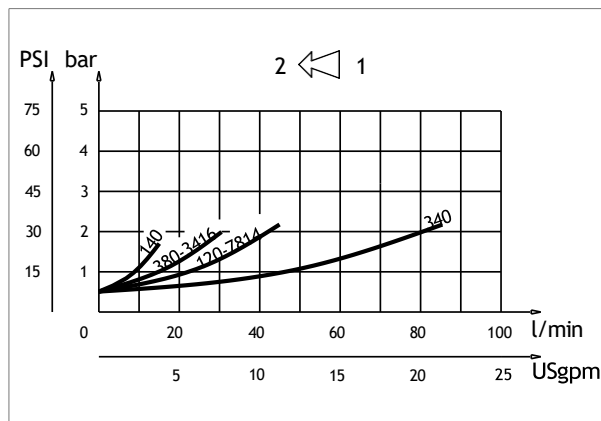
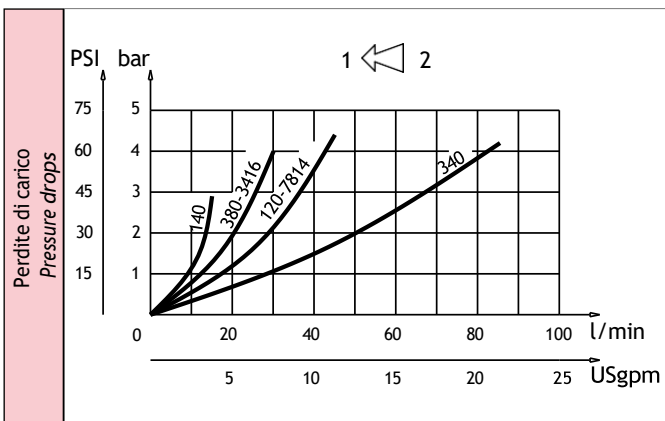
Valvole di controllo flusso unidirezionale
Unidirectional flow control valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



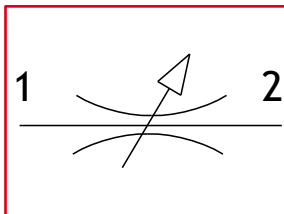
Caratteristiche tecniche Technical performances						
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	L	Peso approssimativo Approx weight Kg / lb
VURF 140	BSPP 1/4	15 (4)	350 (5000)	34 (1.34)	62 (2.44)	0,23 (0.50)
VURF 380	BSPP 3/8	30 (8)		39 (1.54)	73 (2.87)	0,42 (0.93)
VURF 120	BSPP 1/2	45 (12)		44 (1.73)	83 (3.27)	0,66 (1.45)
VURF 340	BSPP 3/4	85 (22)	300 (4350)	54 (2.13)	102 (4.02)	1,12 (2.5)
VURF 100	BSPP 1	150 (40)	250 (3600)	65 (2.56)	124,5 (4.90)	1,6 (3.5)
VURF 3416	3/4 - 16 UNF	30 (8)	350 (5000)	39 (1.54)	73 (2.87)	0,42 (0.93)
VURF 7814	7/8 - 14 UNF	45 (12)		44 (1.73)	83 (3.27)	0,66 (1.45)

Codice ordinazione Ordering code	
VURF-X	
X	Dimensione / Size
140	BSPP 1/4
380	BSPP 3/8
120	BSPP 1/2
340	BSPP 3/4
100	BSPP 1
3416	3/4 - 16 UNF
7814	7/8 - 14 UNF

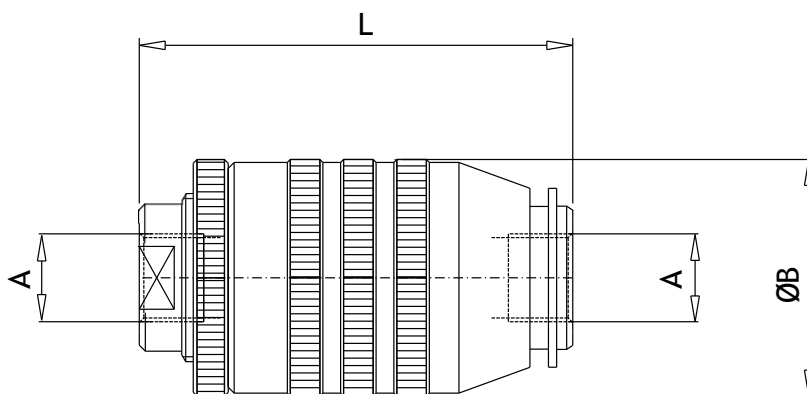
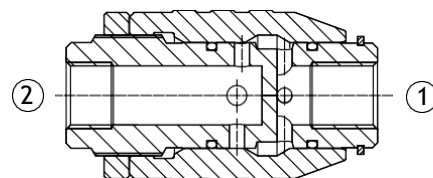


VBRF

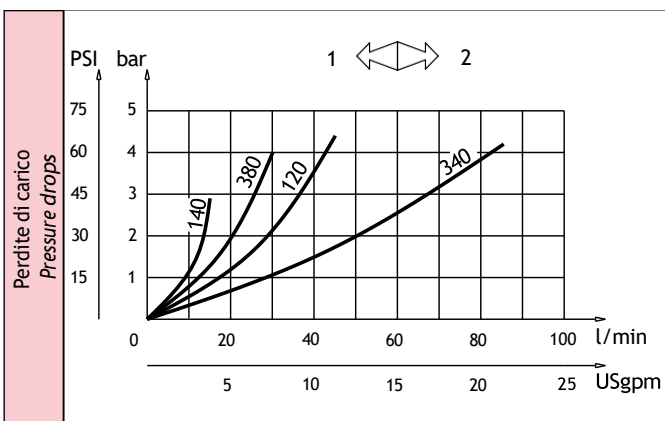
Valvole di controllo flusso bidirezionali
Bidirectional flow control valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



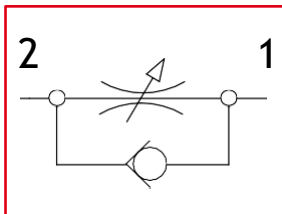
Caratteristiche tecniche Technical performances						
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/ PSI	B	L	Peso approssimativo Approx weight Kg / lb
VBRF140	BSPP 1/4	15 (4)	350 (5000)	34 (1.34)	62 (2.44)	0,24 (0.53)
VBRF380	BSPP 3/8	30 (8)		39 (1.53)	73 (2.87)	0,41 (0.90)
VBRF120	BSPP 1/2	45 (12)		44 (1.73)	83 (3.27)	0,62 (1.35)
VBRF340	BSPP 3/4	85 (22)	300 (4350)	54 (2.13)	102 (4.02)	1,1 (2.5)
VBRF100	BSPP 1	150 (40)	250 (3600)	65 (2.56)	124,5 (4.90)	1,6 (3.5)

Codice ordinazione Ordering code	
VBRF-X	
X	Dimensione / Size
140	BSPP 1/4
380	BSPP 3/8
120	BSPP 1/2
340	BSPP 3/4
100	BSPP 1

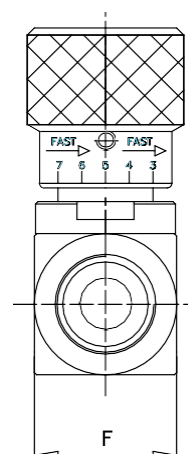
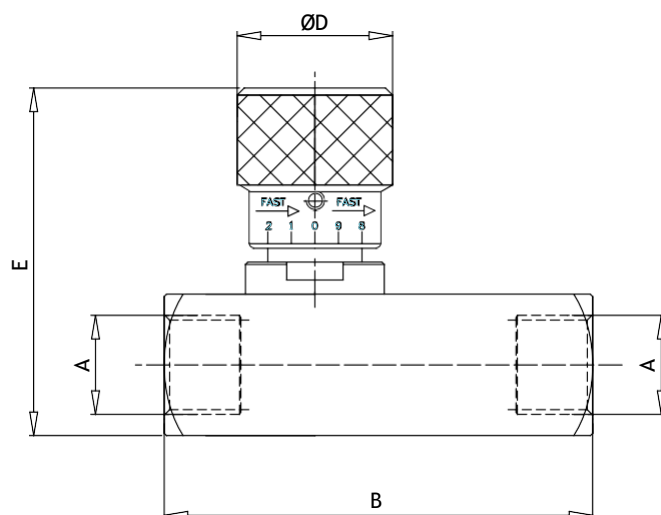
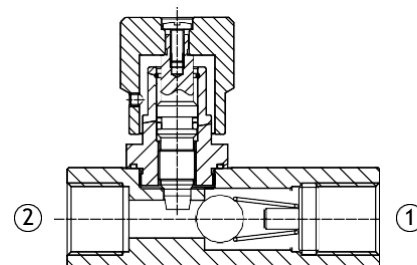


STU-BSP

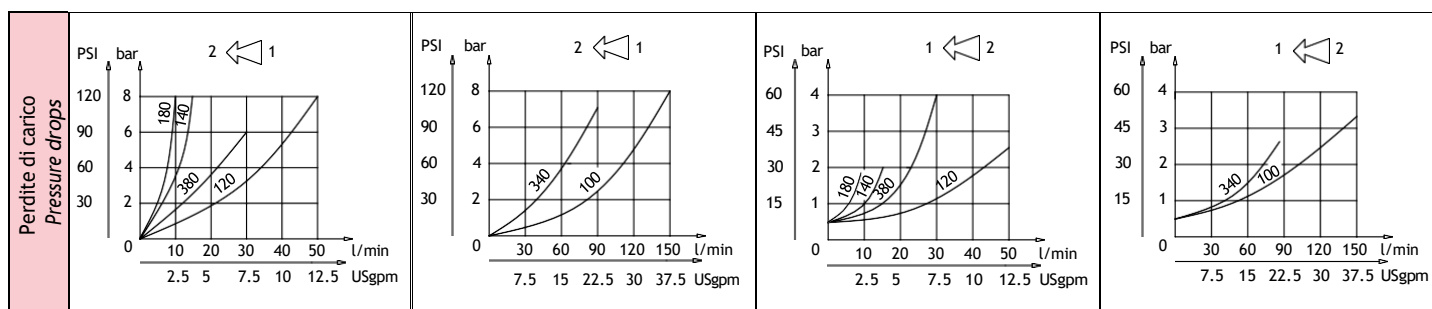
Valvole di controllo flusso unidirezionali
Unidirectional flow control valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



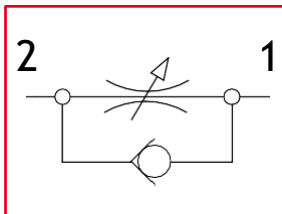
Caratteristiche tecniche Technical performances								
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar / PSI	B	D	E	F	Peso approssimativo Approx weight Kg / lb
STU180	BSPP 1/8	10 (2.5)	400 (5800)	59 (2.32)	20 (0.79)	53 (2.08)	20 (0.79)	0,20 (0.45)
STU140	BSPP 1/4	15 (4)		66 (2.60)	30 (1.18)	68 (2.68)	25 (0.98)	0,34 (0.75)
STU380	BSPP 3/8	30 (8)		77 (3.03)				0,36 (0.80)
STU120	BSPP 1/2	50 (13)		91 (3.58)	33 (1.30)	72 (2.83)	30 (1.18)	0,60 (1.3)
STU340	BSPP 3/4	80 (20)		112,5 (4.43)	42 (1.65)	94 (3.70)	40 (1.57)	1,33 (3)
STU100	BSPP 1	150 (40)		141 (5.55)		99 (3.90)	45 (1.77)	1,9 (4.2)

Codice ordinazione Ordering code	
STU-X	
X	Dimensione / Size
180	BSPP 1/8
140	BSPP 1/4
380	BSPP 3/8
120	BSPP 1/2
340	BSPP 3/4
100	BSPP 1

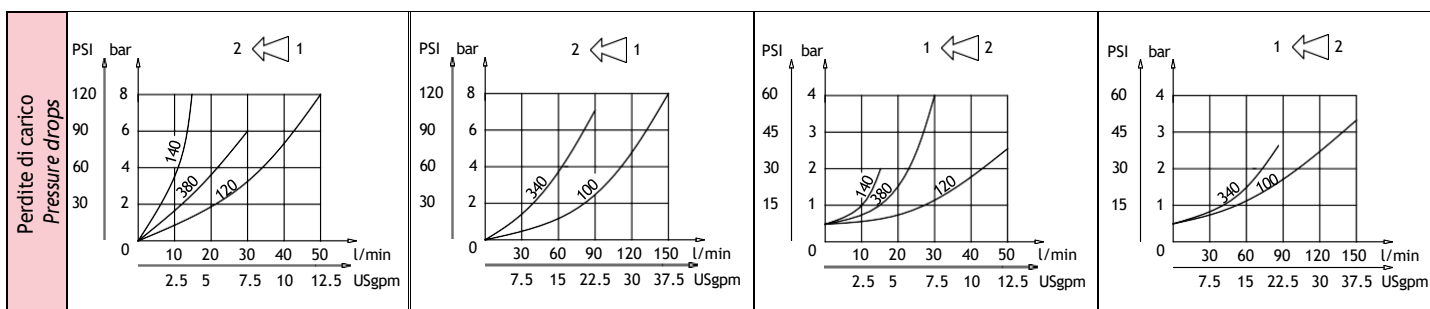
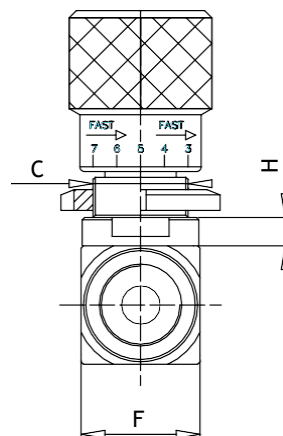
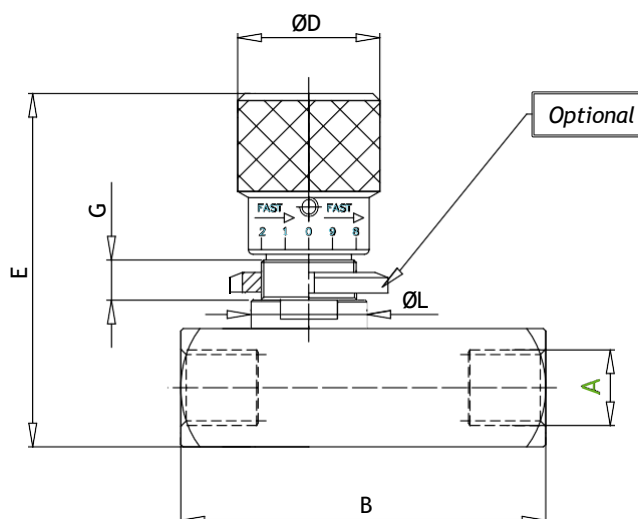
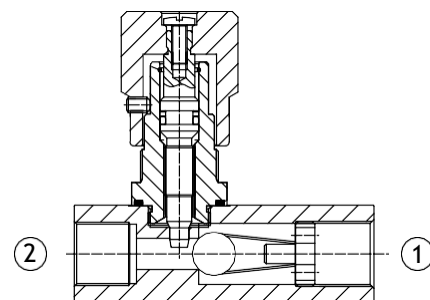


STUF-BSP

Valvole di controllo flusso unidirezionali
Unidirectional flow control valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F

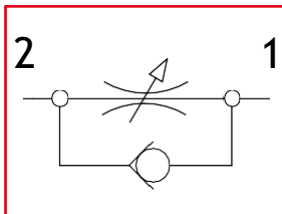


Caratteristiche tecniche Technical performances														Codice ordinazione Ordering code		
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	D	E	F	G	H	L	Optional Code	Peso approssimativo Approx weight Kg / lb	STUF-X	X	Dimensione / Size
STUF140	BSPP 1/4	15 (4)	400 (5800)	66 (2.60)	M20x1	30 (1.18)	75 (2.95)	25 (0.98)	7,5 (0.29)	6 (0.23)	24,5 (0.96)	84100022	0,38 (0.84)			
STUF380	BSPP 3/8	30 (8)		77 (3.03)									0,40 (0.88)	380	BSPP 3/8	
STUF120	BSPP 1/2	50 (13)		91 (3.58)	M25x1,5	33 (1.30)	81 (3.19)	30 (1.18)	9 (0.35)	7 (0.27)	29,5 (1.16)	84100023	0,63 (1.40)	120	BSPP 1/2	
STUF340	BSPP 3/4	80 (21)		112,5 (4.43)	M35x1,5	42 (1.65)	110 (4.33)	40 (1.57)	15,5 (0.61)	8 (0.31)	39,5 (1.55)	84100024	1,45 (3.2)	340	BSPP 3/4	
STUF100	BSPP 1	150 (40)		141 (5.55)			115 (4.53)	45 (1.77)					2 (4.4)	100	BSPP 1	

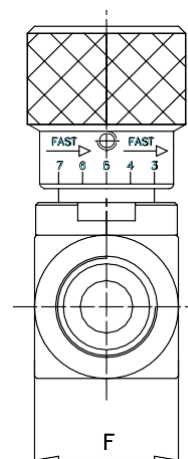
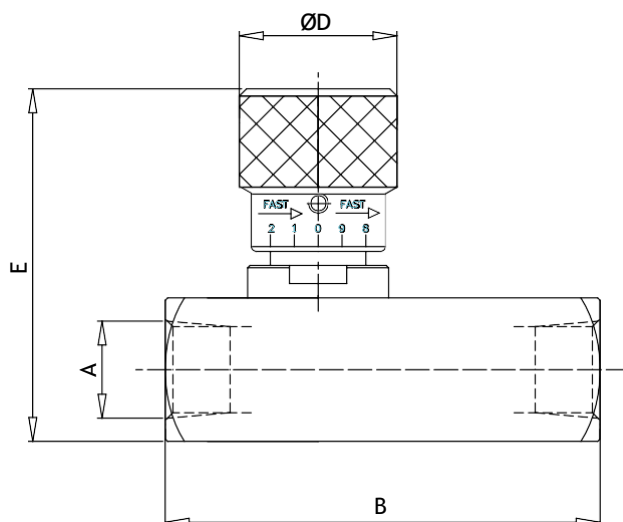
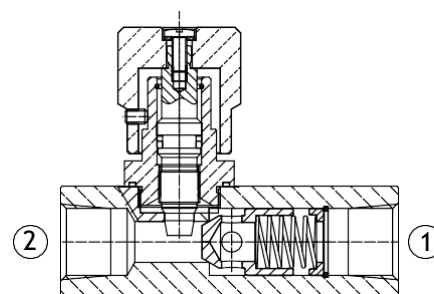


STU-NPTF

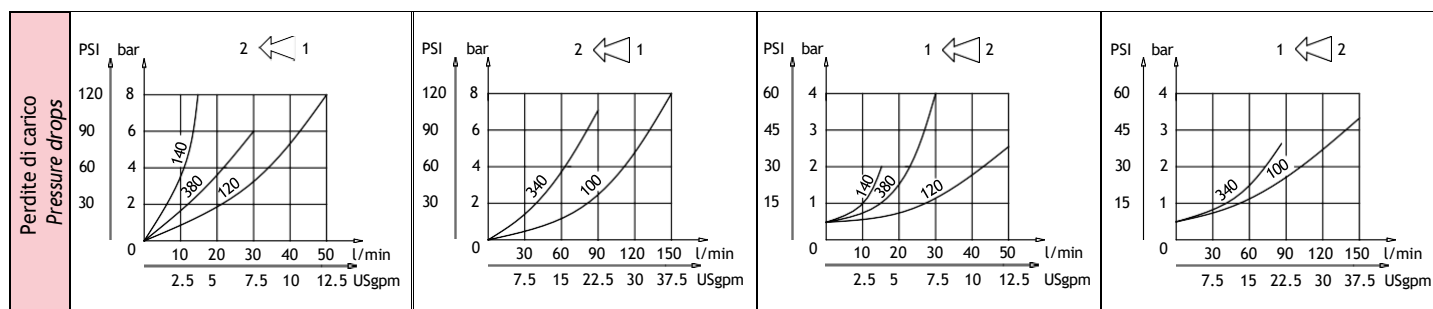
Valvole di controllo flusso unidirezionali
Unidirectional flow control valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



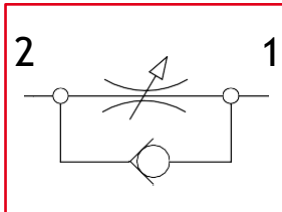
Caratteristiche tecniche Technical performances								
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	D	E	F	Peso approssimativo Approx weight Kg / lb
STU140NPTF	NPTF 1/4	15 (4)	400 (5800)	66 (2.60)	30 (1.18)	68 (2.68)	25 (0.98)	0,37 (0.75)
STU380NPTF	NPTF 3/8	30 (8)		77 (3.03)				0,38 (0.84)
STU120NPTF	NPTF 1/2	50 (13)		91 (3.58)	33 (1.30)	72 (2.83)	30 (1.18)	0,60 (1.32)
STU340NPTF	NPTF 3/4	80 (21)		112,5 (4.43)	42 (1.65)	94 (3.70)	40 (1.57)	1,40 (3.09)
STU100NPTF	NPTF 1	150 (40)		141 (5.55)		99 (3.90)	45 (1.77)	2 (4.41)

Codice ordinazione Ordering code	
STU-X-NPTF	
X	Dimensione / Size
140	NPTF 1/4
380	NPTF 3/8
120	NPTF 1/2
340	NPTF 3/4
100	NPTF 1

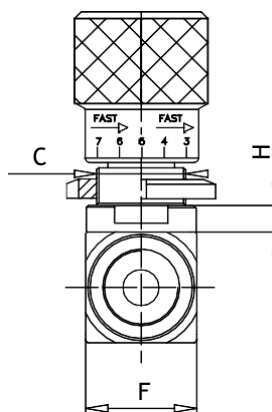
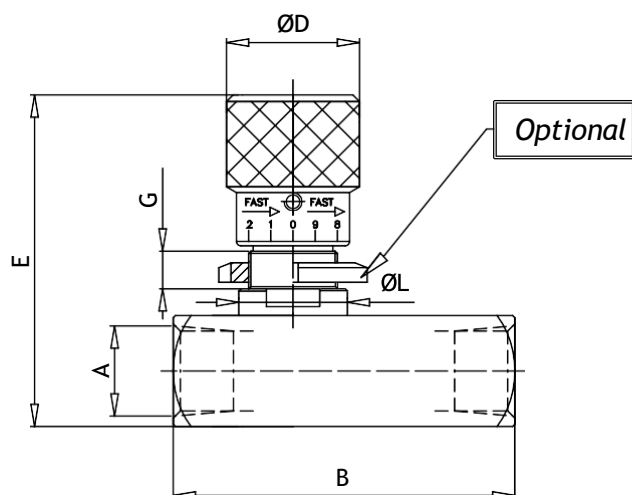
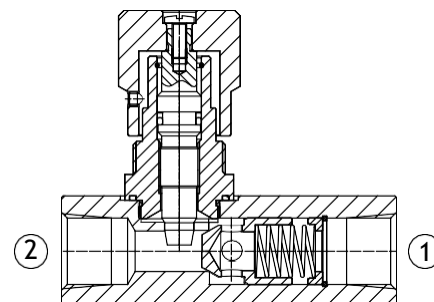


STUF-NPTF

Valvole di controllo flusso unidirezionali
Unidirectional flow control valves

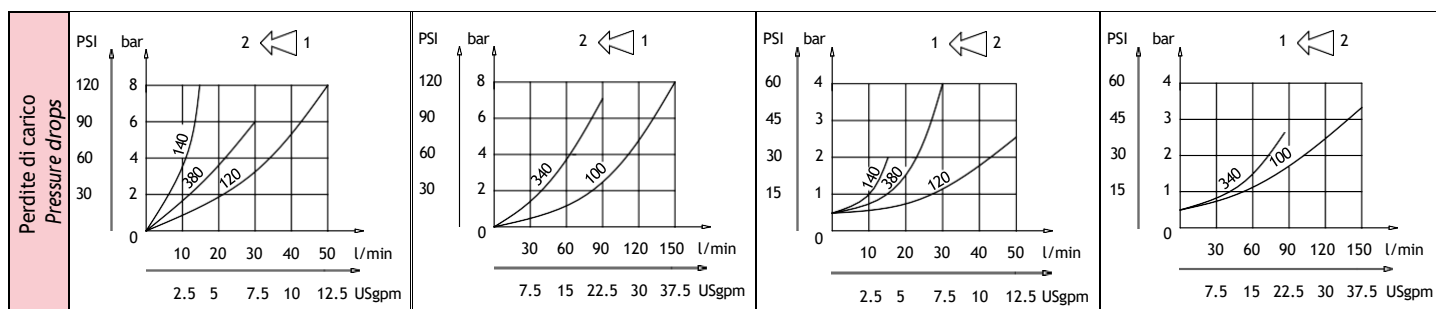


Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



Codice ordinazione Ordering code	
STUF-X-NPTF	
X	Dimensione / Size
140	NPTF 1/4
380	NPTF 3/8
120	NPTF 1/2
340	NPTF 3/4
100	NPTF 1

mm
(Inches)



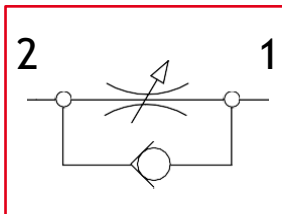
Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar / PSI	B	C	D	E	F	G	H	L	Optional Code	Peso approssimativo Approx weight Kg / lb
STUF140NPTF	NPTF 1/4	15 (4)	400 (5800)	66 (2.60)	M20x1	30 (1.18)	75 (2.95)	25 (0.98)	7,5 (0.29)	6 (0.23)	24,5 (0.96)	84100022	0,41 (0.90)
STUF380NPTF	NPTF 3/8	30 (8)		77 (3.03)									0,42 (0.92)
STUF120NPTF	NPTF 1/2	50 (13)		91 (3.58)	M25x1,5	33 (1.30)	81 (3.19)	30 (1.18)	9 (0.35)	7 (0.27)	29,5 (1.16)	84100023	0,63 (1.38)
STUF340NPTF	NPTF 3/4	80 (21)		112,5 (4.43)									1,52 (3.4)
STUF100NPTF	NPTF 1	150 (40)		141 (5.55)	M35x1,5	42 (1.65)	110 (4.33) 115 (4.53)	40 (1.57) 45 (1.77)	15,5 (0.61)	8 (0.31)	39,5 (1.55)	84100024	2,1 (4.60)

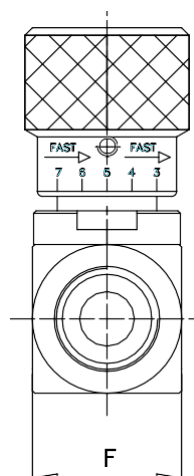
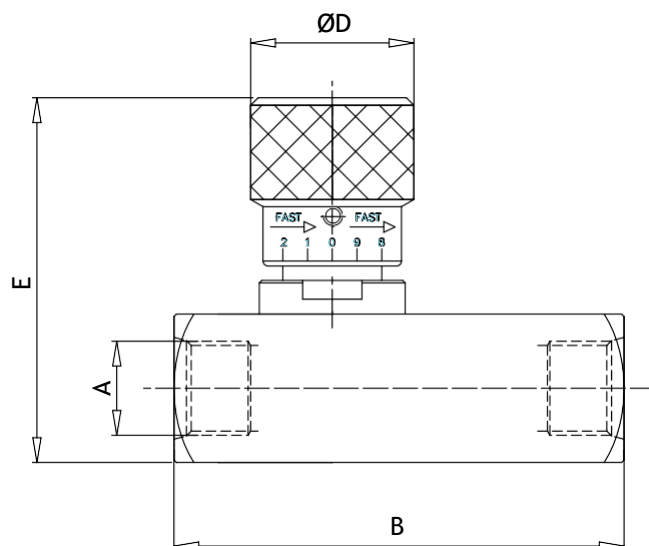
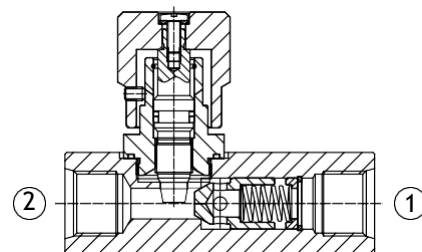


STU-SAE

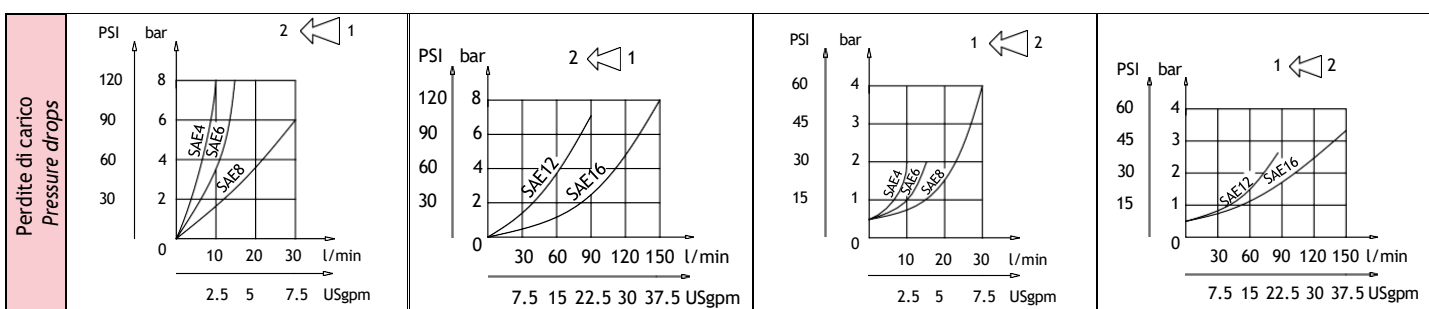
Valvole di controllo flusso unidirezionali
Unidirectional flow control valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



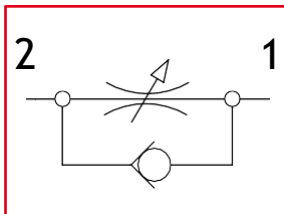
Caratteristiche tecniche Technical performances								
Codice Code	A	Portata Max Max ow l/min · USgpm	Pressione Max Max pressure bar/PSI	B	D	E	F	Peso approssimativo Approx weight Kg / lb
STU4SAE	7/16 - 20UNF	15 (4)	400 (5800)	66 (2.60)	30 (1.18)	68 (2.68)	25 (0.98)	0,37 (0.82)
STU6SAE	9/16 - 18UNF	30 (8)		70,5 (2.78)				0,38 (0.84)
STU8SAE	3/4 - 16UNF	50 (13)		91 (3.58)	33 (1.30)	72 (2.83)	30 (1.18)	0,60 (1.32)
STU12SAE	1 - 1/16 - 12UNF	80 (21)		112,5 (4.43)				1,28 (2.80)
STU16SAE	1 - 5/16 - 12UNF	150 (40)		141 (5.55)	42 (1.65)	99 (3.90)	45 (1.77)	1,87 (4.11)

Codice ordinazione Ordering code	
STU-X-SAE	
X	Dimensione / Size
4	7/16 - 20UNF
6	9/16 - 18UNF
8	3/4 - 16UNF
12	1 - 1/16 - 12UNF
16	1 - 5/16 - 12UNF

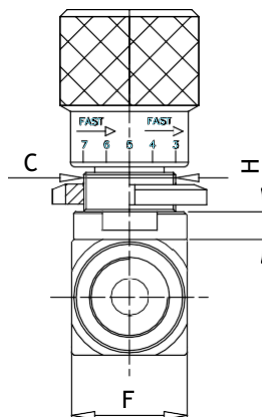
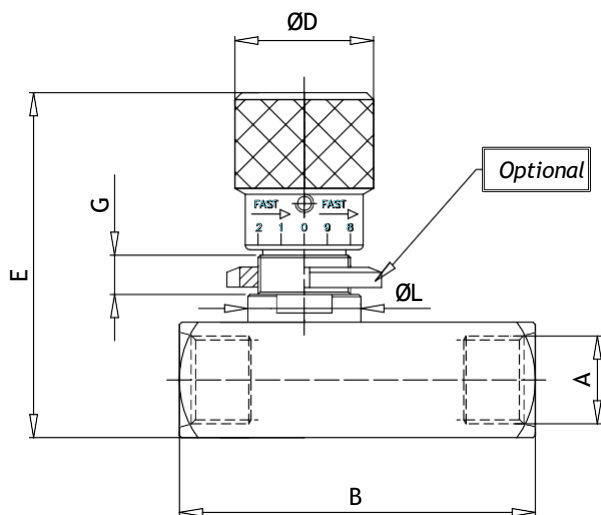
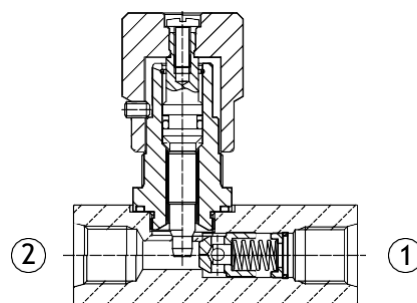


STUF-SAE

Valvole di controllo flusso unidirezionali
Unidirectional flow control valves

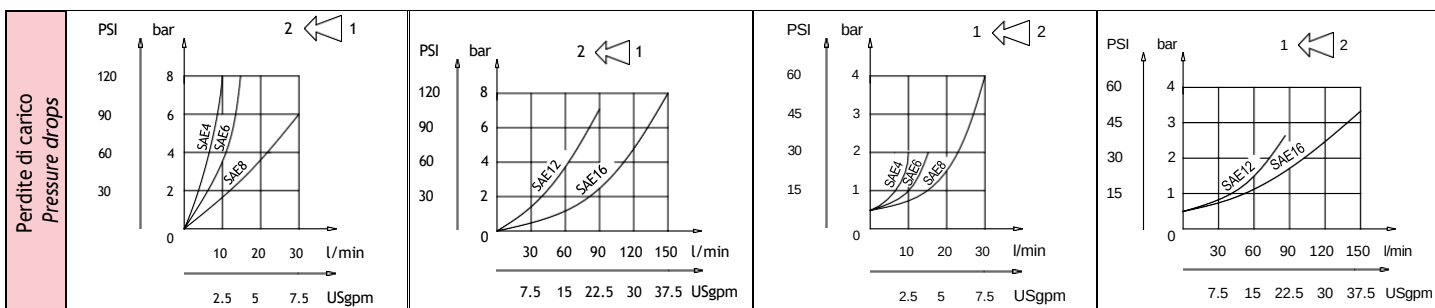


Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



Codice ordinazione Ordering code	
STUF-X-SAE	
X	Dimensione / Size
4	7/16 - 20UNF
6	9/16 - 18UNF
8	3/4 - 16UNF
12	1 - 1/16 - 12UNF
16	1 - 5/16 - 12UNF

mm
(Inches)



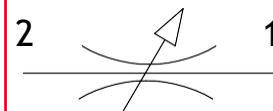
Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar / PSI	B	C	D	E	F	G	H	L	Optional Code	Peso approssimativo Approx weight Kg / lb
STUF4SAE	7/16 - 20UNF	15 (4)	400 (5800)	66 (2.60)	M20x1	30 (1.18)	75 (2.95)	25 (0.98)	7,5 (0.29)	6 (0.23)	24,5 (0.96)	84100022	0,41 (0.90)
STUF6SAE	9/16 - 18UNF	30 (8)		70,5 (2.78)									0,42 (0.93)
STUF8SAE	3/4 - 16UNF	50 (13)		91 (3.58)	M25x1,5	33 (1.30)	81 (3.19)	30 (1.18)	9 (0.35)	7 (0.27)	29,5 (1.16)	84100023	0,63 (1.40)
STUF12SAE	1 - 1/16 - 12UNF	80 (21)		112,5 (4.43)									1,40 (3.10)
STUF16SAE	1 - 5/16 - 12UNF	150 (40)		141 (5.55)									2 (4.40)

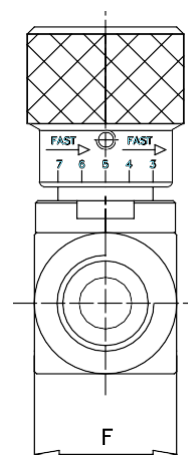
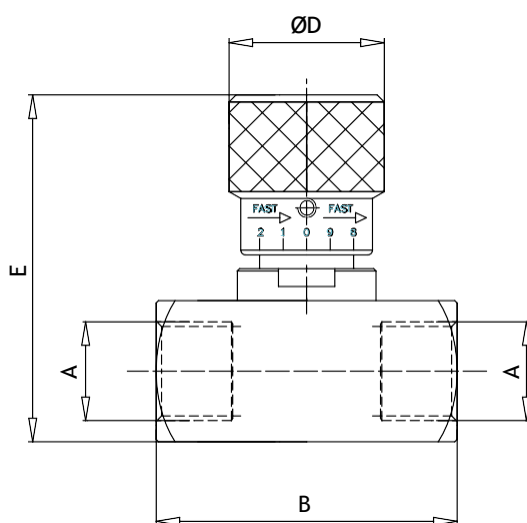
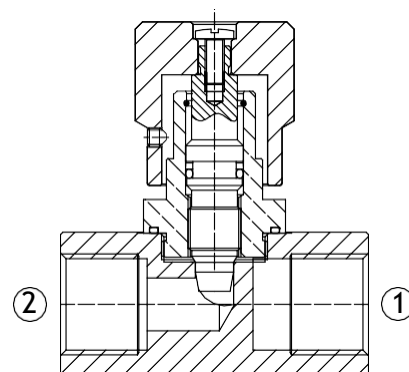


STB-BSP

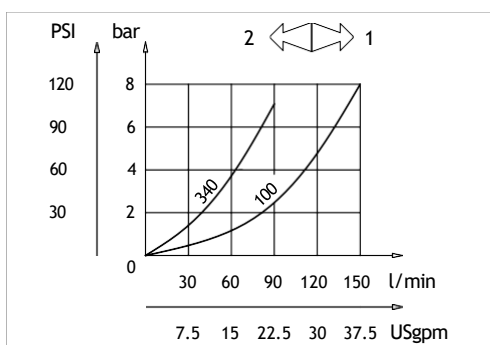
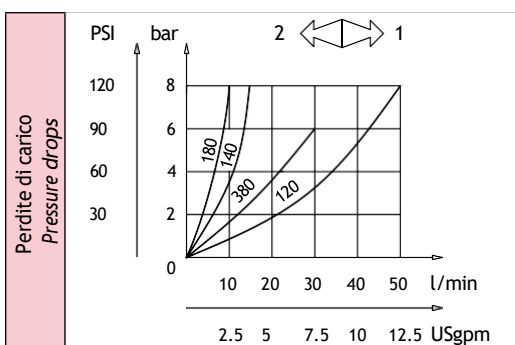
Valvole di controllo flusso bidirezionali
Bidirectional flow control valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



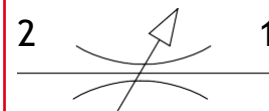
Caratteristiche tecniche Technical performances								
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	D	E	F	Peso approssimativo Approx weight Kg / lb
STB180	BSPP 1/8	10 (2.5)	400 (5800)	48 (1.89)	20 (0.79)	53 (2.08)	20 (0.79)	0,16 (0.35)
STB140	BSPP 1/4	15 (4)		54 (2.13)	30 (1.18)	68 (2.68)	25 (0.98)	0,29 (0.70)
STB380	BSPP 3/8	30 (8)		64 (2.52)	33 (1.30)	72 (2.83)	30 (1.18)	0,27 (0.64)
STB120	BSPP 1/2	50 (13)		81 (3.19)	42 (1.65)	94 (3.70)	40 (1.57)	0,45 (1)
STB340	BSPP 3/4	80 (20)		102 (4.02)		99 (3.90)	45 (1.77)	1,02 (2.25)
STB100	BSPP 1	150 (40)						1,38 (3.04)

Codice ordinazione Ordering code	
STB-X	
X	Dimensione / Size
180	BSPP 1/8
140	BSPP 1/4
380	BSPP 3/8
120	BSPP 1/2
340	BSPP 3/4
100	BSPP 1

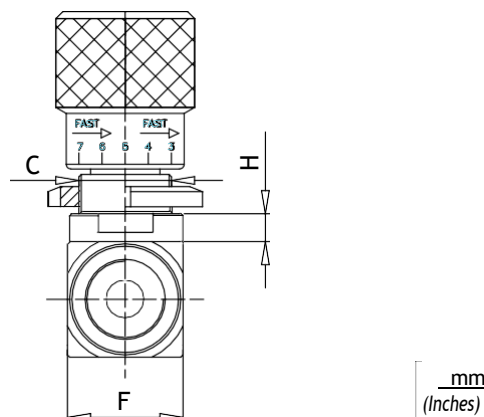
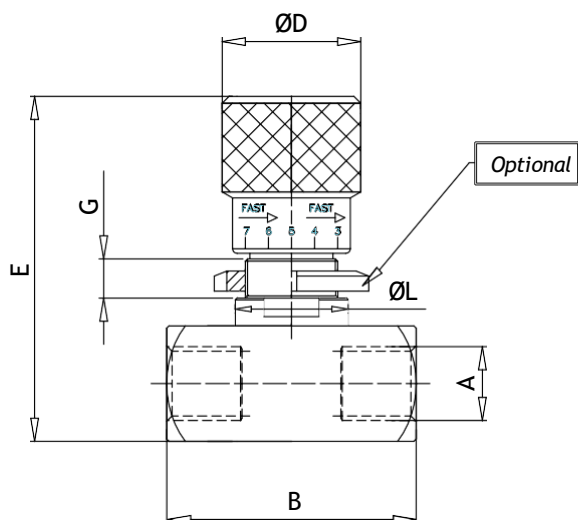
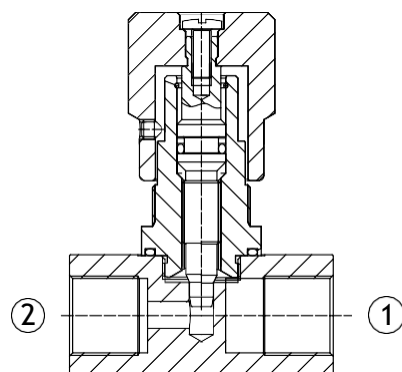


STBF-BSP

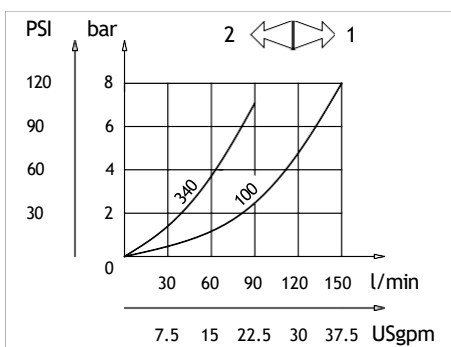
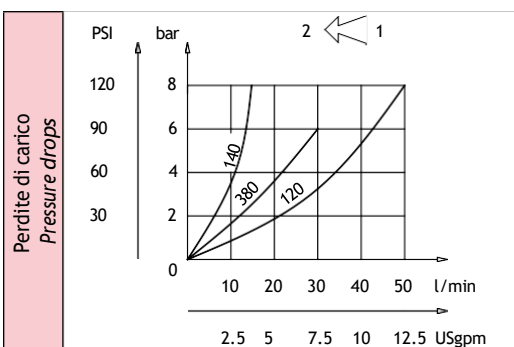
Valvole di controllo flusso bidirezionali
Bidirectional flow control valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



Codice ordinazione Ordering code	
STBF-X	
X	Dimensione / Size
140	BSPP 1/4
380	BSPP 3/8
120	BSPP 1/2
340	BSPP 3/4
100	BSPP 1

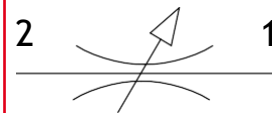
Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	D	E	F	G	H	L	Optional Code	Peso approssimativo Approx weight Kg / lb
STBF140	BSPP 1/4	15 (4)	400 (5800)	54 (2.13)	M20x1	30 (1.18)	75 (2.95)	25 (0.98)	7,5 (0.29)	6 (0.23)	24,5 (0.96)	84100022	0,33 (0.73)
STBF380	BSPP 3/8	30 (8)		64 (2.52)	M25x1,5	33 (1.30)	81 (3.19)	30 (1.18)	9 (0.35)	7 (0.27)	29,5 (1.16)	84100023	0,31 (0.69)
STBF120	BSPP 1/2	50 (13)		64 (2.52)	M25x1,5	33 (1.30)	81 (3.19)	30 (1.18)	9 (0.35)	7 (0.27)	29,5 (1.16)	84100023	0,48 (1.06)
STBF340	BSPP 3/4	80 (21)		81 (3.19)	M35x1,5	42 (1.65)	110 (4.33)	40 (1.57)	15,5 (0.61)	8 (0.31)	39,5 (1.55)	84100024	1,13 (2.50)
STBF100	BSPP 1	150 (40)		102 (4.02)	M35x1,5	42 (1.65)	115 (4.53)	45 (1.77)	15,5 (0.61)	8 (0.31)	39,5 (1.55)	84100024	1,50 (3.3)

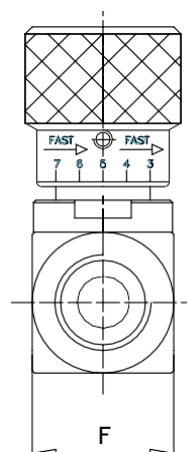
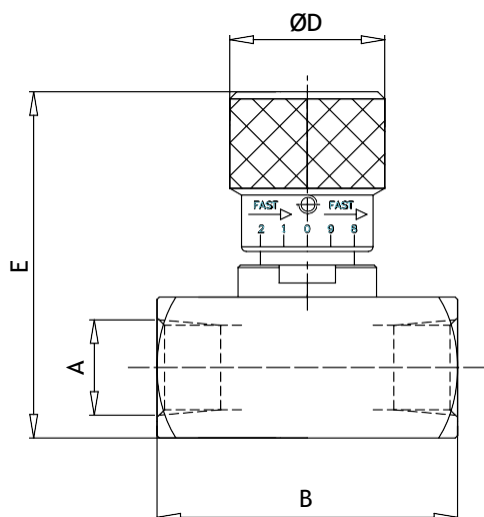
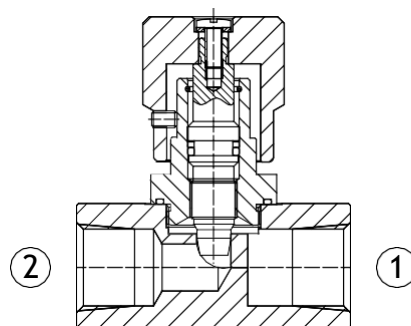


STB-NPTF

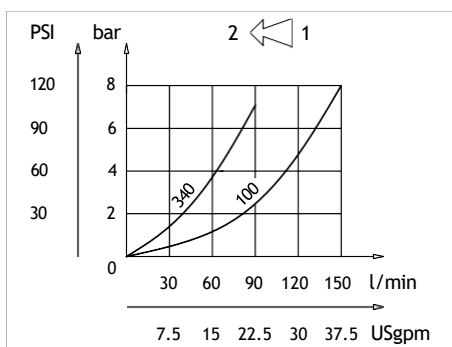
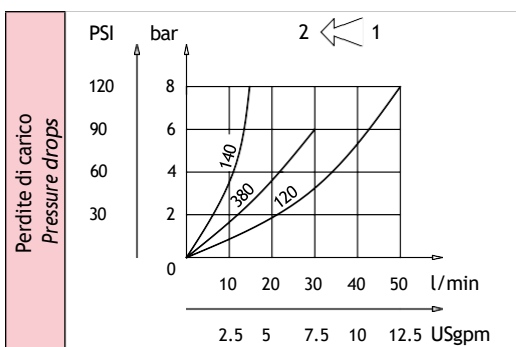
Valvole di controllo flusso bidirezionali
Bidirectional flow control valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



Caratteristiche tecniche Technical performances								
Codice Code	A	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar / PSI	B	D	E	F	Peso approssimativo Approx weight Kg / lb
STB140NPTF	NPTF 1/4	15 (4)	400 (5800)	54 (2.13)	30 (1.18)	68 (2.68)	25 (0.98)	0,32 (0.71)
STB380NPTF	NPTF 3/8	30 (8)						0,30 (0.66)
STB120NPTF	NPTF 1/2	50 (13)		64 (2.52)	33 (1.30)	72 (2.84)	30 (1.18)	0,45 (0.99)
STB340NPTF	NPTF 3/4	80 (21)		81 (3.19)	42 (1.65)	94 (3.70)	40 (1.57)	1,10 (2.43)
STB100NPTF	NPTF 1	150 (40)		102 (4.02)		99 (3.90)	45 (1.77)	1,50 (3.31)

Codice ordinazione Ordering code	
STB-X-NPTF	
X	Dimensione / Size
140	BSPP 1/4
380	BSPP 3/8
120	BSPP 1/2
340	BSPP 3/4
100	BSPP 1

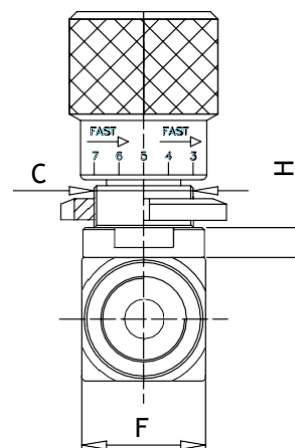
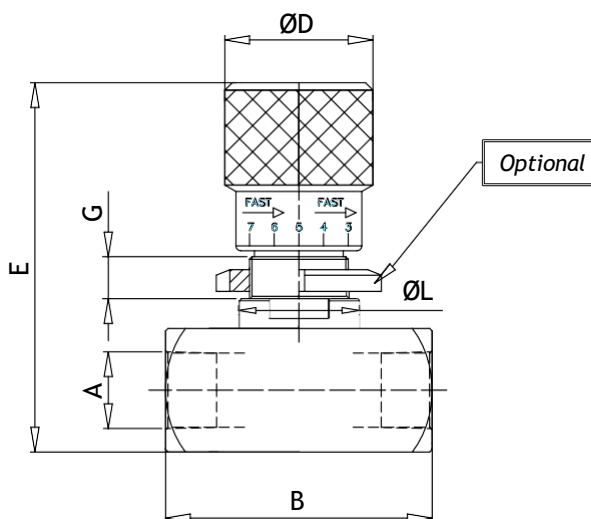
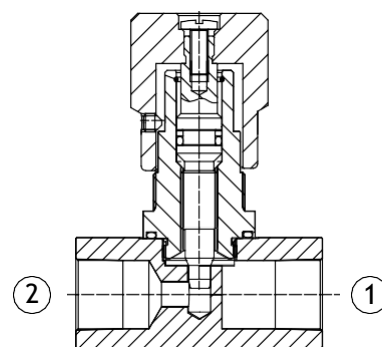


STBF-NPTF

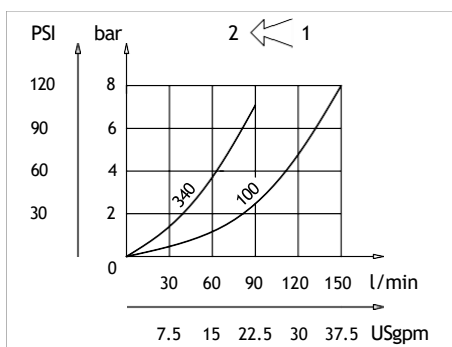
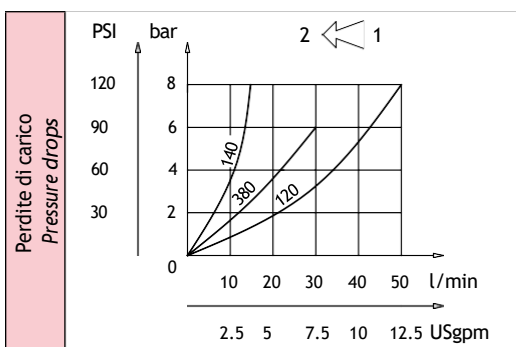
Valvole di controllo flusso bidirezionali
Bidirectional flow control valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



Codice ordinazione Ordering code	
STBF-X-NPTF	
X	Dimensione / Size
140	NPTF 1/4
380	NPTF 3/8
120	NPTF 1/2
340	NPTF 3/4
100	NPTF 1

Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	D	E	F	G	H	L	Optional Code	Peso approssimativo Approx weight Kg / lb
STBF140NPTF	NPTF 1/4	15 (4)	400 (5800)	54 (2.13)	M20x1	30 (1.18)	75 (2.95)	25 (0.98)	7,5 (0.29)	6 (0.23)	24,5 (0.96)	84100022	0,36 (0.79)
STBF380NPTF	NPTF 3/8	30 (8)		64 (2.52)	M25x1,5	33 (1.30)	81 (3.19)	30 (1.18)	9 (0.35)	7 (0.27)	29,5 (1.16)	84100023	0,34 (0.75)
STBF120NPTF	NPTF 1/2	50 (13)		81 (3.19)	M35x1,5	42 (1.65)	110 (4.33)	40 (1.57)	15,5 (0.61)	8 (0.31)	39,5 (1.55)	84100024	0,48 (1.06)
STBF340NPTF	NPTF 3/4	80 (21)		102 (4.02)			115 (4.53)	45 (1.77)					1,22 (2.70)
STBF100NPTF	NPTF 1	150 (40)											1,60 (3.52)

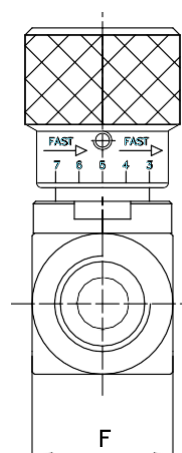
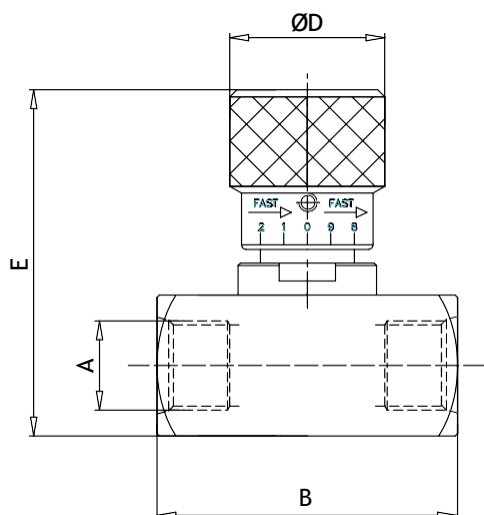
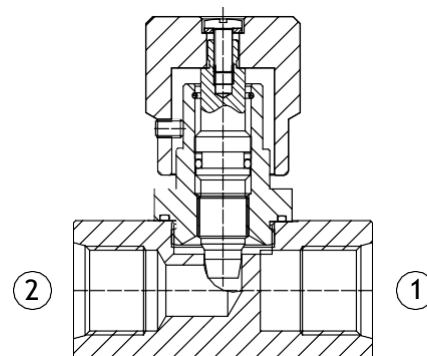


STB-SAE

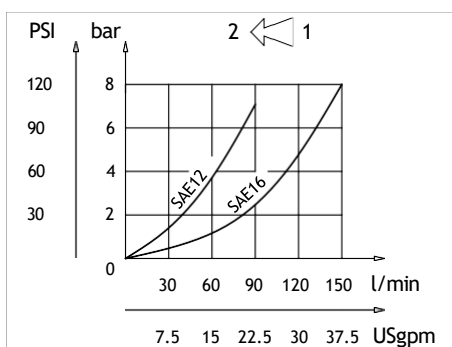
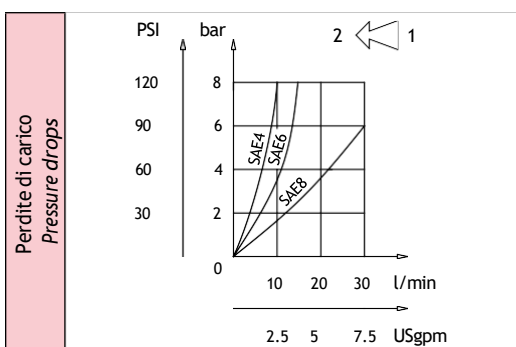
Valvole di controllo flusso bidirezionali
Bidirectional flow control valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



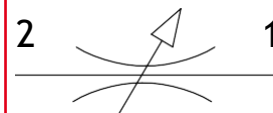
Caratteristiche tecniche Technical performances								
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	D	E	F	Peso approssimativo Approx weight Kg / lb
STB4SAE	7/16 - 20UNF	15 (4)	400 (5800)	54 (2.13)	30 (1.18)	68 (2.68)	25 (0.98)	0,32 (0.71)
STB6SAE	9/16 - 18UNF	30 (28)		64 (2.52)	33 (1.30)	72 (2.83)	30 (1.18)	0,30 (0.66)
STB8SAE	3/4 - 16UNF	50 (13)		81 (3.19)	42 (1.65)	94 (3.70)	40 (1.57)	1,10 (2.43)
STB12SAE	1 - 1/16 - 12UNF	80 (21)		102 (4.02)		99 (3.90)	45 (1.77)	1,50 (3.31)
STB16SAE	1 - 5/16 - 12UNF	150 (40)						

Codice ordinazione Ordering code	
STB-X-SAE	
X	Dimensione / Size
4	7/16 - 20UNF
6	9/16 - 18UNF
8	3/4 - 16UNF
12	1 - 1/16 - 12UNF
16	1 - 5/16 - 12UNF

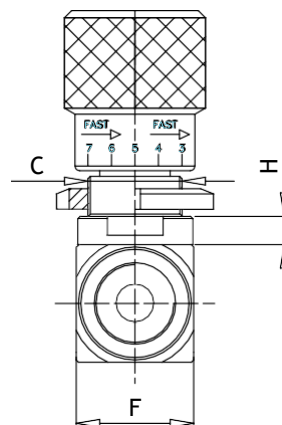
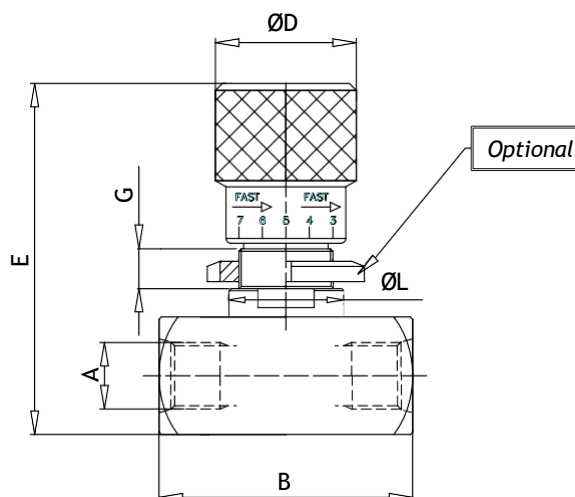
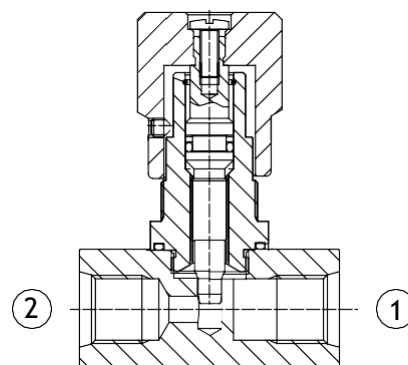


STBF-SAE

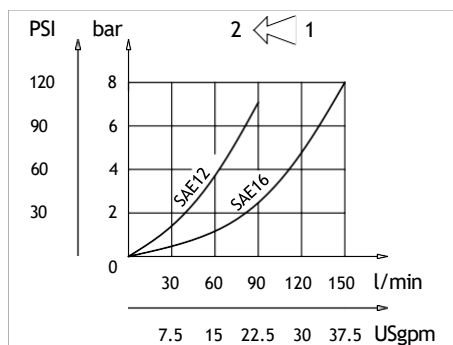
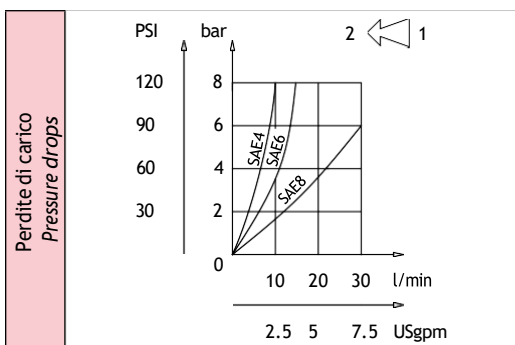
Valvole di controllo flusso bidirezionali
Bidirectional flow control valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



Codice ordinazione Ordering code	
STBF-X-SAE	
X	Dimensione / Size
4	7/16 - 20UNF
6	9/16 - 18UNF
8	3/4 - 16UNF
12	1 - 1/16 - 12UNF
16	1 - 5/16 - 12UNF

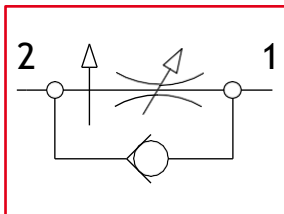
Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar / PSI	B	C	D	E	F	G	H	L	Optional Code	Peso approssimativo Approx weight Kg / lb
STBF4SAE	7/16 - 20UNF	15 (4)	400 (5800)	54 (2.13)	M20x1	30 (1.18)	75 (2.95)	25 (0.98)	7,5 (0.29)	6 (0.23)	24,5 (0.96)	84100022	0,36 (0.79)
STBF6SAE	9/16 - 18UNF	30 (28)		64 (2.52)	M25x1,5	33 (1.30)	81 (3.19)	30 (1.18)	9 (0.35)	7 (0.27)	29,5 (1.16)	84100023	0,34 (0.75)
STBF8SAE	3/4 - 16UNF	50 (13)		81 (3.19)	M35x1,5	42 (1.65)	110 (4.33)	40 (1.57)	15,5 (0.61)	8 (0.31)	39,5 (1.55)	84100024	0,48 (1.05)
STBF12SAE	1 - 1/16 - 12UNF	80 (21)		102 (4.02)			115 (4.53)	45 (1.77)					1,22 (2.70)
STBF16SAE	1 - 5/16 - 12UNF	150 (40)											1,60 (3.50)

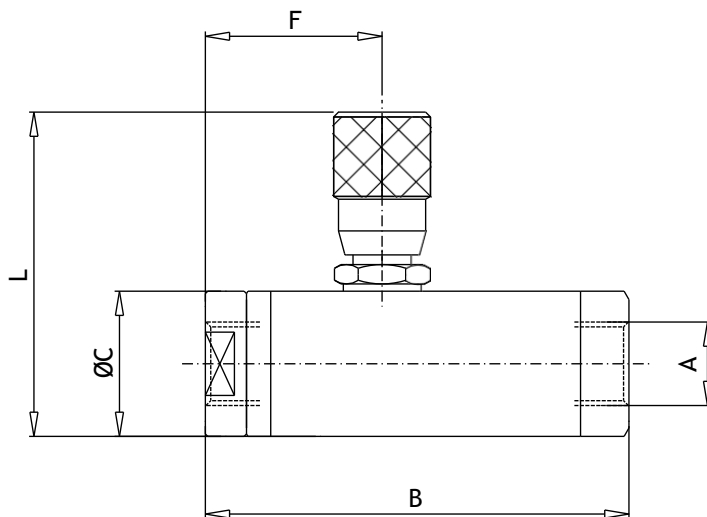
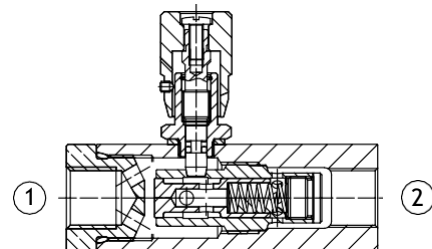


VRC

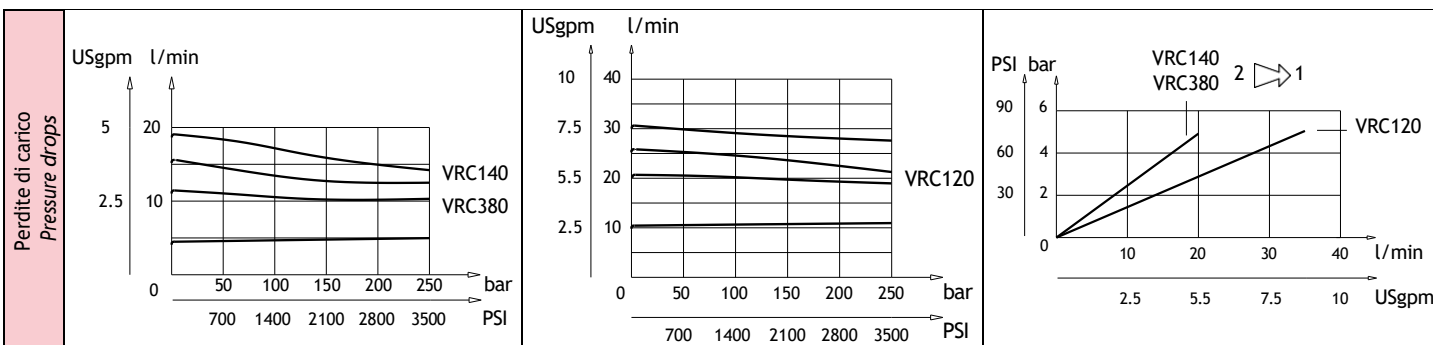
Valvole per controllo flusso compensate
Compensated flow control valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



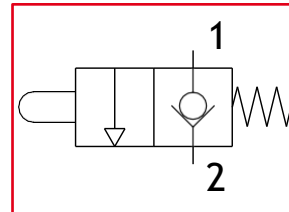
Caratteristiche tecniche Technical performances								
Codice Code	A	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	F	L	Peso approssimativo Approx weight Kg / lb
VRC140	BSPP 1/4	10 (2.5)	250 (3600)	88 (3.46)	27 (1.06)	51 (2)	52 (2.05)	0,49 (1.08)
VRC380	BSPP 3/8	18 (4.7)						0,48 (1.05)
VRC120	BSPP 1/2	33 (8.7)		108 (4.25)	36 (1.42)	61 (2.40)	57 (2.25)	0,72 (1.58)

Codice ordinazione Ordering code	
VRC-X	
X	Dimensione / Size
140	BSPP 1/4
380	BSPP 3/8
120	BSPP 1/2

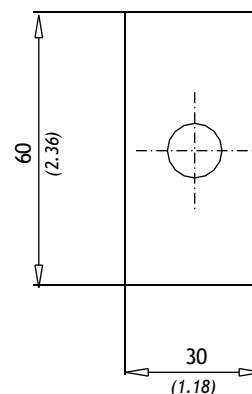
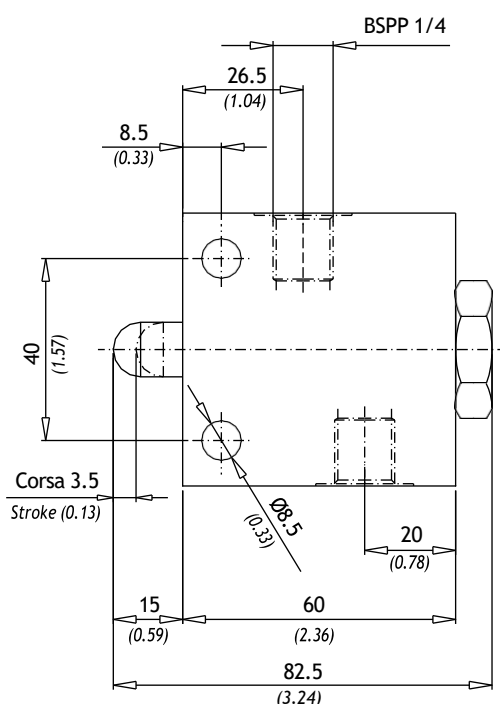
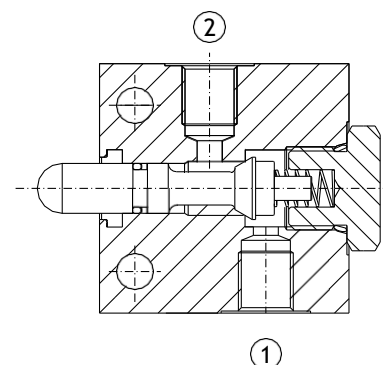


FCM 140

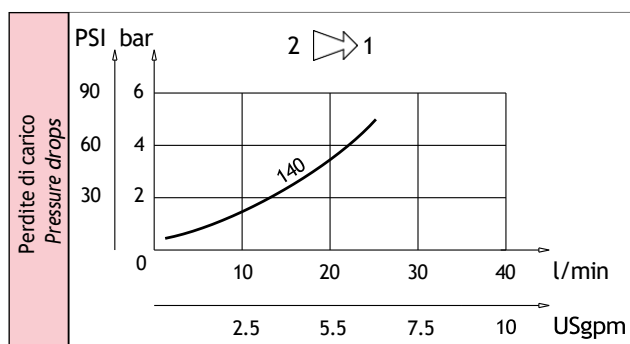
Valvole di fine corsa
End-stroke valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



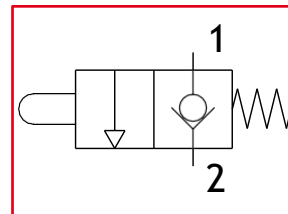
Caratteristiche tecniche Technical performances			
Codice Code	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb
FCM140	25 (6.5)	350 (5000)	0,80 (1.80)

Codice ordinazione Ordering code
FCM140

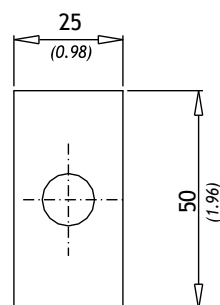
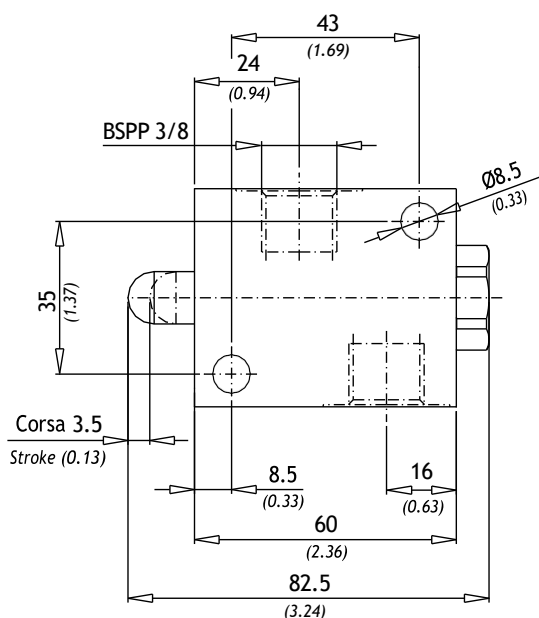
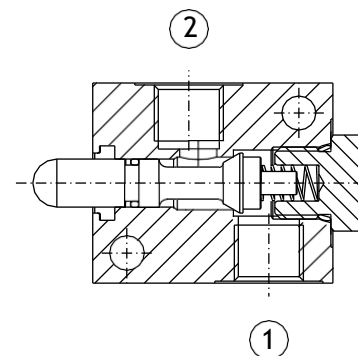


FCM 380

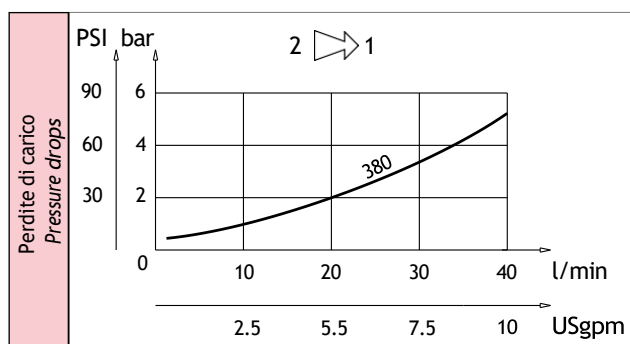
Valvole di fine corsa
End-stroke valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



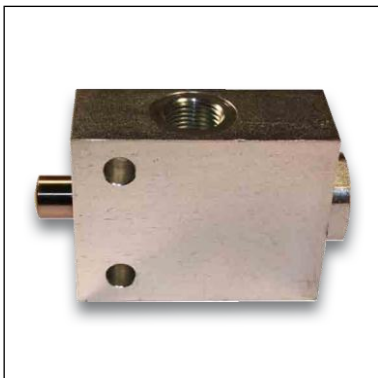
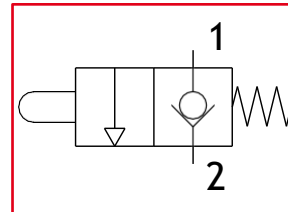
Caratteristiche tecniche Technical performances			
Codice Code	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb
FCM380N	40 (10.5)	350 (5000)	0,50 (1.10)

Codice ordinazione Ordering code
FCM380N

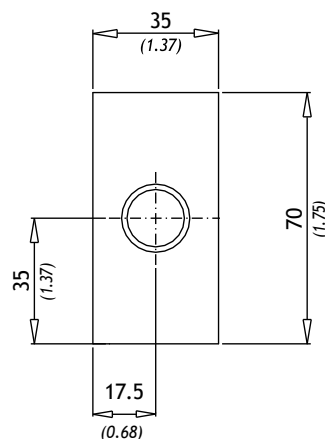
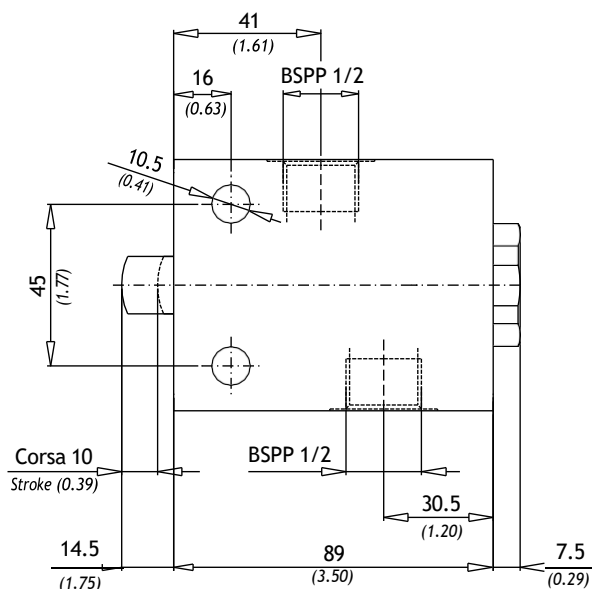
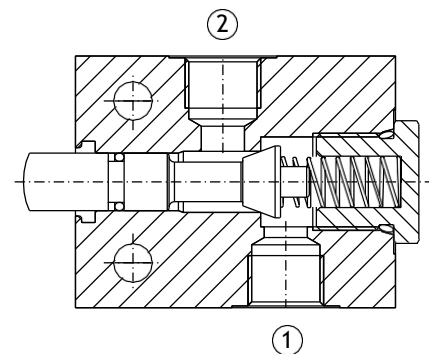


FCM 120

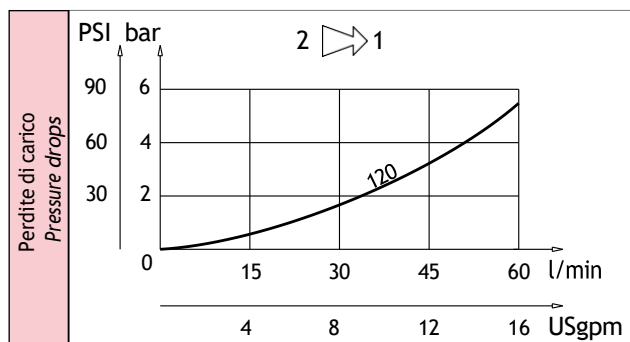
Valvole di fine corsa
End-stroke valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



Caratteristiche tecniche Technical performances			
Codice Code	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar / PSI	Peso approssimativo Approx weight Kg / lb
FCM120	60 (16)	300 (4350)	1,50 (3.3)

Codice ordinazione Ordering code
FCM120

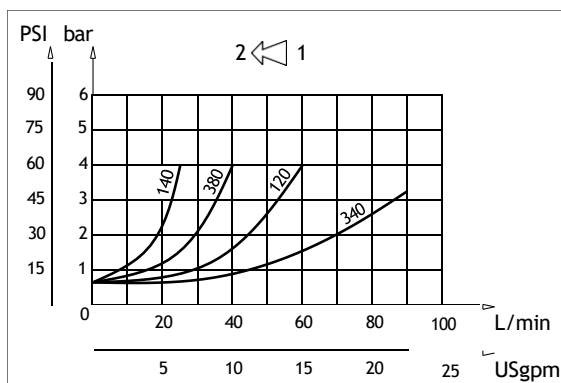
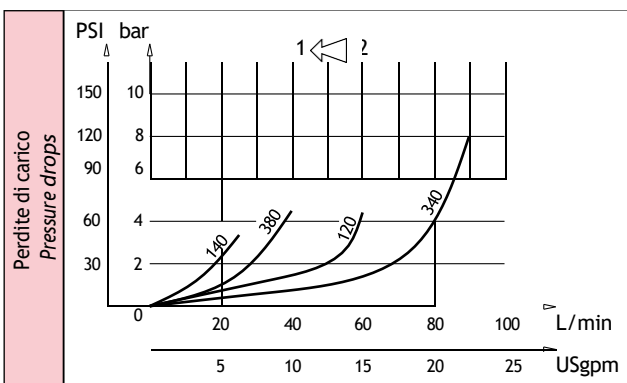
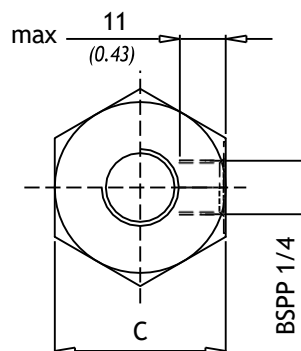
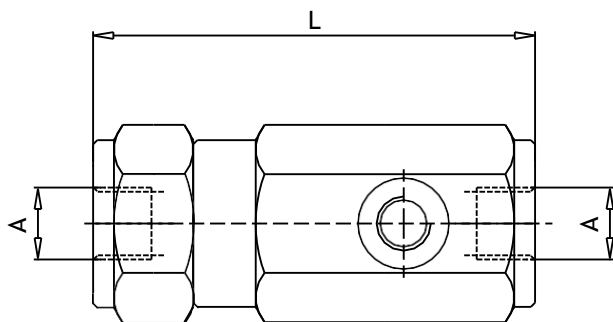
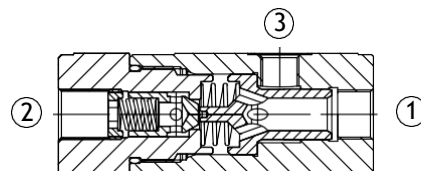


VRPE

Valvole di blocco pilotate a semplice effetto
Single acting pilot check valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)

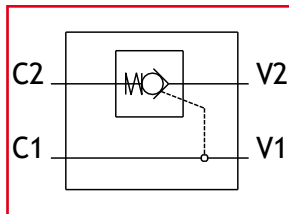
Caratteristiche tecniche Technical performances							
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	L	C	Peso approssimativo Approx weight Kg / lb	Rapporto di pilotaggio Pilot ratio
VRPE140	BSPP 1/4	25 (6.5)	350 (5000)	100 (3.94)	36 (1.42)	0,75 (1.65)	1:3.6
VRPE380	BSPP 3/8	40 (10.5)		105 (4.13)	41 (1.62)	1 (2.2)	1:3.2
VRPE120	BSPP 1/2	60 (16)		125 (4.92)		1,1 (2.4)	1:2.8
VRPE340	BSPP 3/4	100 (26)	300 (4350)	130 (5.12)	55 (2.16)	2 (4.4)	1:3.2
VRPE100	BSPP 1	150 (40)		166 (6.54)	65 (2.56)	3,6 (7.92)	1:6.2

Codice ordinazione Ordering code	
VRPE - X	
X	Dimensione / Size
140	BSPP 1/4
380	BSPP 3/8
120	BSPP 1/2
340	BSPP 3/4
100	BSPP 1

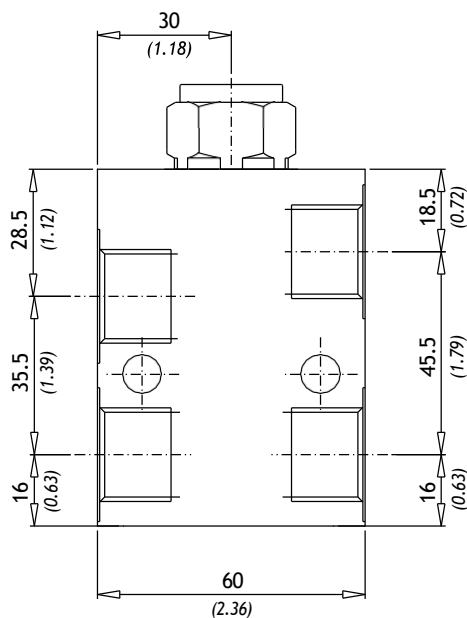
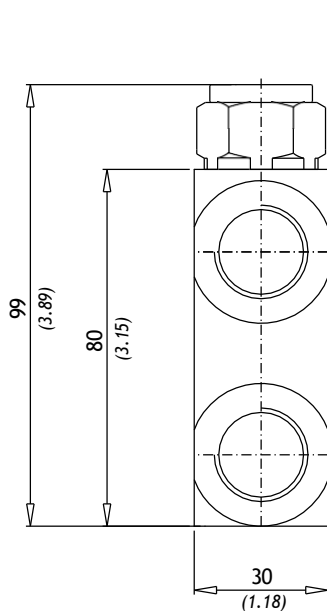
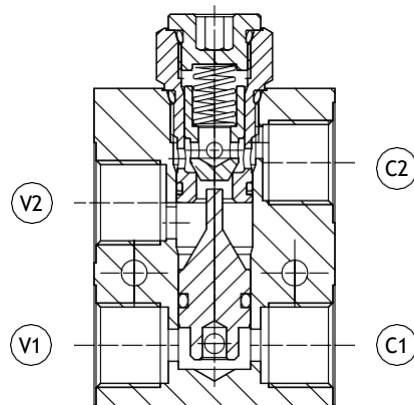


VRP

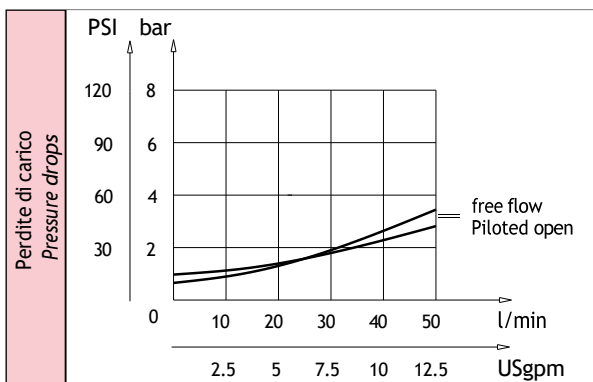
Valvole di blocco pilotate a semplice effetto
Single acting pilot check valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



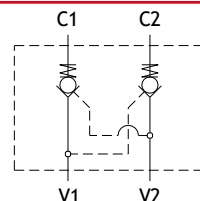
Caratteristiche tecniche Technical performances			
Codice Code	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb
VRP120	50 (13)	350 (5000)	1,1 (4.42)

Codice ordinazione Ordering code	
VRP - X	
X	Dimensione / Size
120	BSPP 1/2



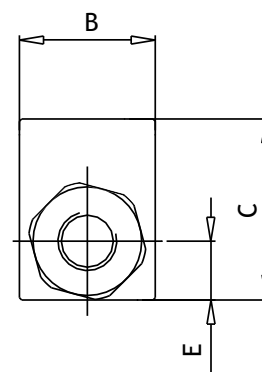
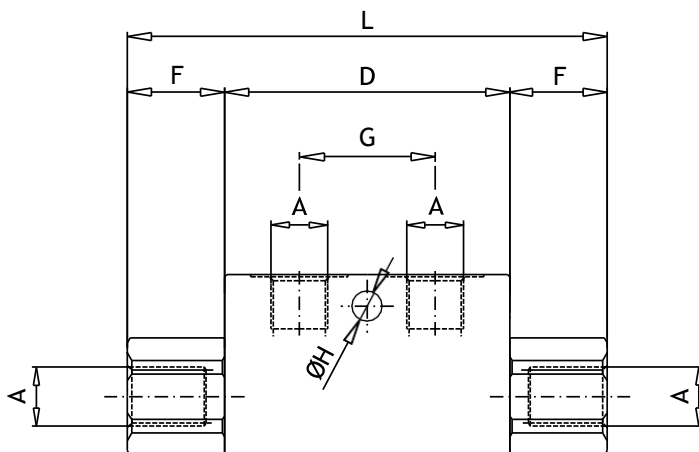
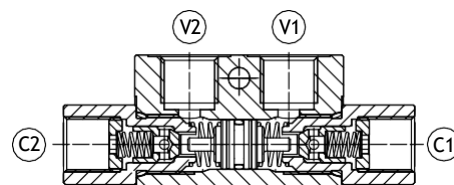
VRDE

Valvole di blocco a doppio effetto
Double acting pilot check valves

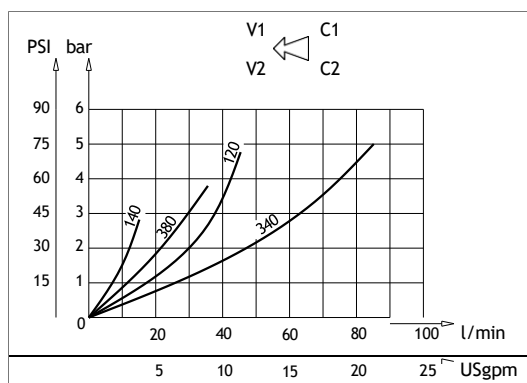
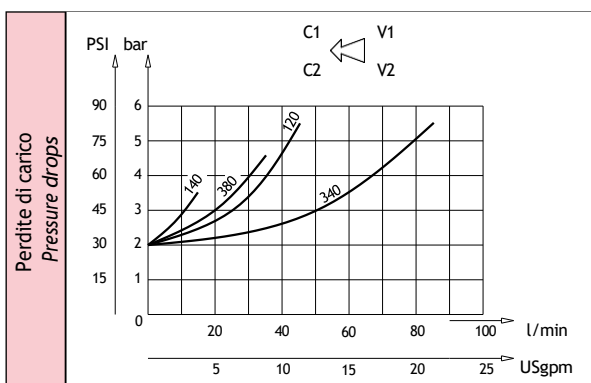


Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F



mm
(Inches)



Codice ordinazione Ordering code

VRDE - X

X	Dimensione / Size
140	BSPP 1/4
380	BSPP 3/8
120	BSPP 1/2
340	BSPP 3/4

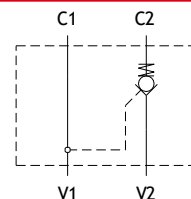
Caratteristiche tecniche Technical performances

Caratteristiche tecniche Technical performances													
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	D	E	F	G	H	L	Peso approssimativo Approx weight Kg / lb	Rapporto di pilotaggio Pilot ratio
VRDE140	BSPP 1/4	15 (4)	320 (4500)	30 (1.18)	40 (1.57)	63 (2.48)	13 (0.51)	21,5 (0.85)	30 (1.18)	6,5 (0.26)	106 (4.17)	0,63 (1.4)	1:4
VRDE380	BSPP 3/8	35 (9.3)										0,60 (1.32)	
VRDE120	BSPP 1/2	45 (12)	300 (4350)	35 (1.38)	50 (1.97)	82 (3.23)	16,5 (0.65)	31,5 (1.24)	36 (1.42)		145 (5.71)	1,10 (2.42)	
VRDE340	BSPP 3/4	70 (18.5)										2,10 (4.62)	



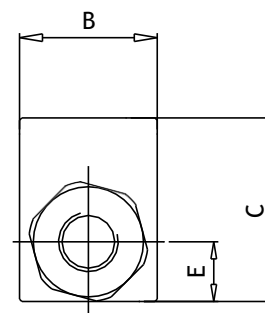
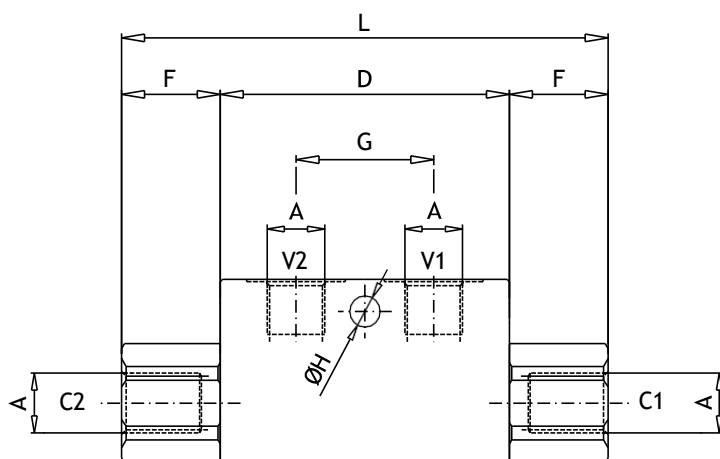
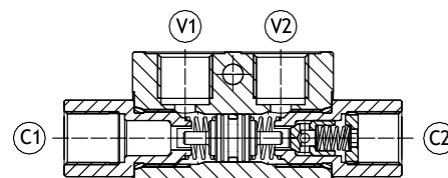
VRSE

Valvole di blocco a semplice effetto
Single acting pilot check valves

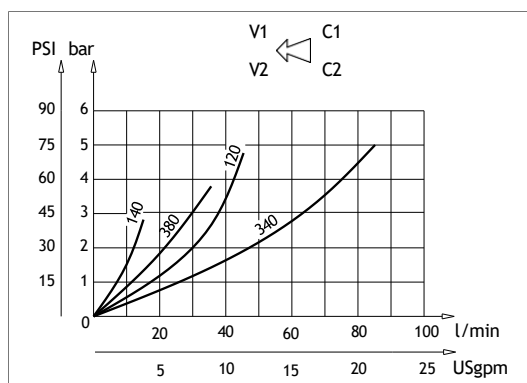
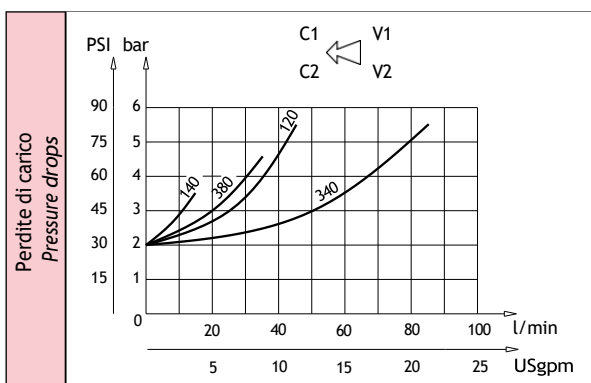


Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F + 176 °F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F + 122 °F



mm
(Inches)



Codice ordinazione Ordering code

VRSE - X

X	Dimensione / Size
140	BSPP 1/4
380	BSPP 3/8
120	BSPP 1/2
340	BSPP 3/4

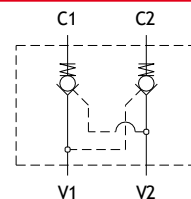
Caratteristiche tecniche Technical performances

Caratteristiche tecniche Technical performances													
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	D	E	F	G	H	L	Peso approssimativo Approx weight Kg / lb	Rapporto di pilotaggio Pilot ratio
VRSE140	BSPP 1/4	15 (4)	320 (4500)	30 (1.18)	40 (1.57)	63 (2.48)	13 (0.51)	21,5 (0.85)	30 (1.18)	6,5 (0.26)	106 (4.17)	0,63 (1.4)	1:4
VRSE380	BSPP 3/8	35 (9.3)										0,60 (1.32)	
VRSE120	BSPP 1/2	45 (12)	300 (4350)	35 (1.38)	50 (1.97)	82 (3.23)	16,5 (0.65)	31,5 (1.24)	36 (1.42)		145 (5.71)	1,10 (2.42)	
VRSE340	BSPP 3/4	70 (18.5)										2,10 (4.62)	



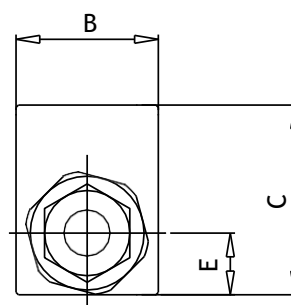
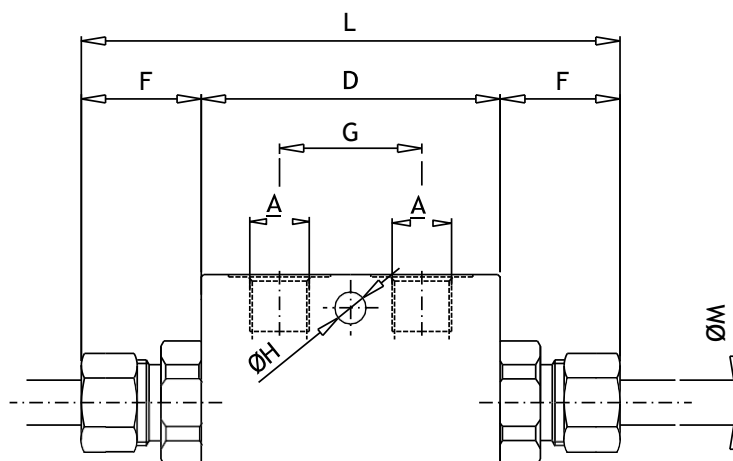
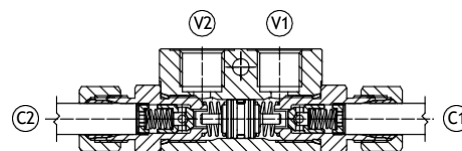
VRDD

Valvole di blocco a doppio effetto
Double acting pilot check valves

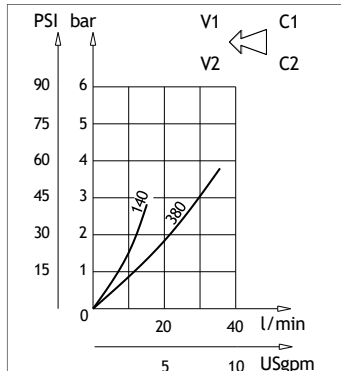
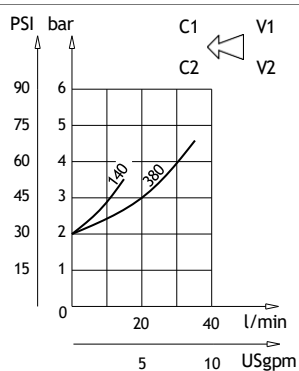


Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



Perdite di carico
Pressure drops



mm
(Inches)

Codice ordinazione Ordering code

VRDD - X - Y

X	Dimensione / Size	Y	Dimensione / Size
140	BSPP 1/4	T8	Per tubo Ø 8 For Ø 8 pipe
380	BSPP 3/8	T12	Per tubo Ø 12 For Ø 12 pipe

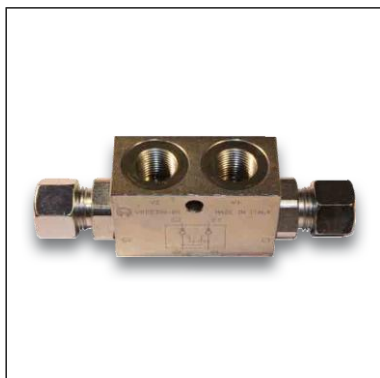
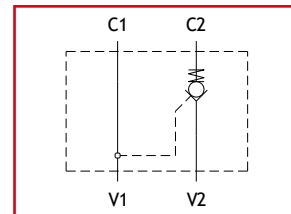
Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max ow l/min · USgpm	Pressione Max Max pressure bar/PSI	B	C	D	E	F	G	H	L	M	Peso approssimativo Approx weight Kg / lb	Rapporto di pilotaggio Pilot ratio
VRDD140T8	BSPP 1/4	10 (2.5)	320 (4500)	30 (1.18)	40 (1.57)	63 (2.48)	13 (0.51)	25 (0.98)	30 (1.18)	6,5 (0.26)	113 (4.45)	8 (0.32)	0,62 (1.4)	1:9
VRDD140T12	BSPP 3/8	15 (4)						32 (1.26)			127 (5)	12 (0.47)		1:4
VRDD380T12	BSPP 1/2	35 (9)												

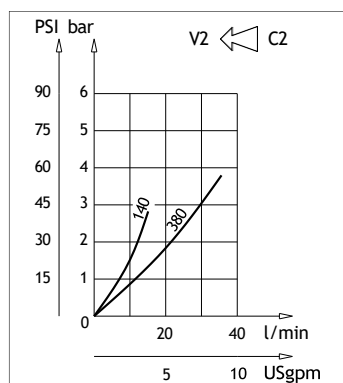
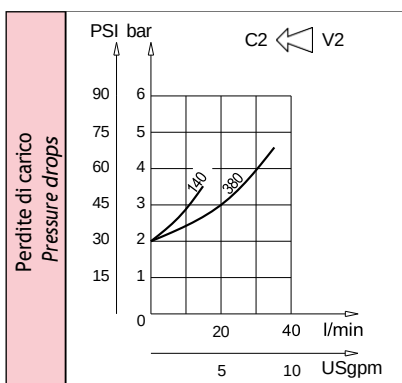
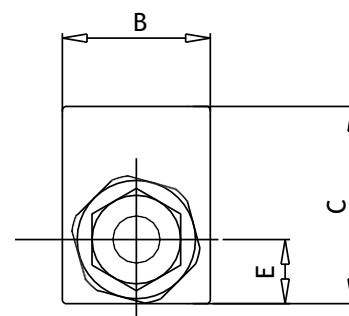
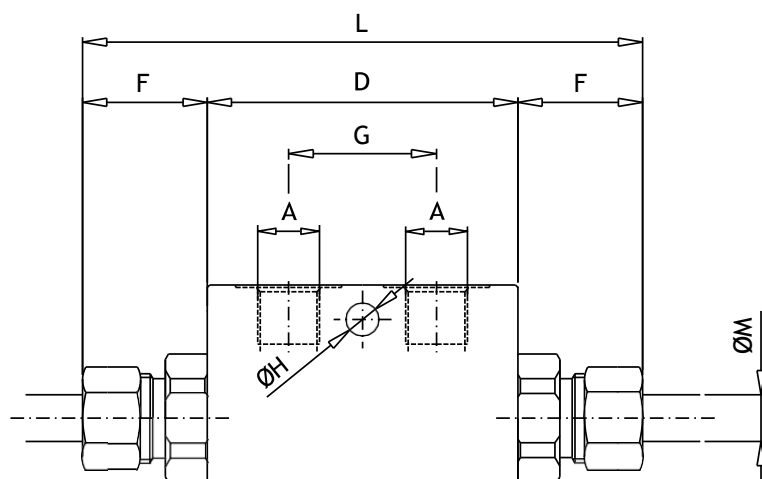
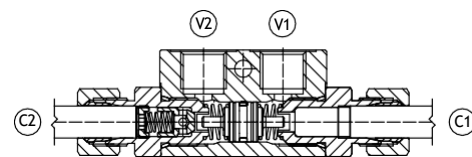


VRSD

Valvole di blocco a semplice effetto DIN2353
Din2353 single acting pilot check valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)

Codice ordinazione Ordering code			
VRSD - X - Y			
X	Dimensione / Size	Y	Dimensione / Size
140	BSPP 1/4	T8	Per tubo Ø 8 For Ø 8 pipe
380	BSPP 3/8	T12	Per tubo Ø 12 For Ø 12 pipe

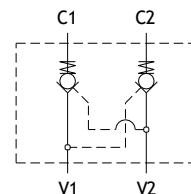
Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	D	E	F	G	H	L	M	Peso approssimativo Approx weight Kg / lb	Rapporto di pilotaggio Pilot ratio
VRSD140T8	BSPP 1/4	10 (2.5)	320 (4500)	30 (1.18)	40 (1.57)	63 (2.48)	13 (0.51)	25 (0.98)	30 (1.18)	6,5 (0.26)	113 (4.45)	8 (0.32)	0,62 (1.4)	1:9
VRSD140T12	BSPP 3/8	15 (4)						32 (1.26)			127 (5)	12 (0.47)		1:4
VRSD380T12	BSPP 1/2	35 (9)												



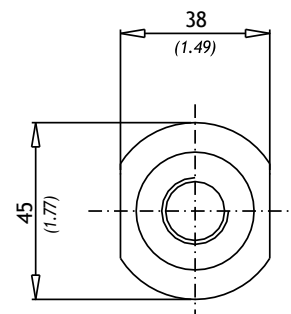
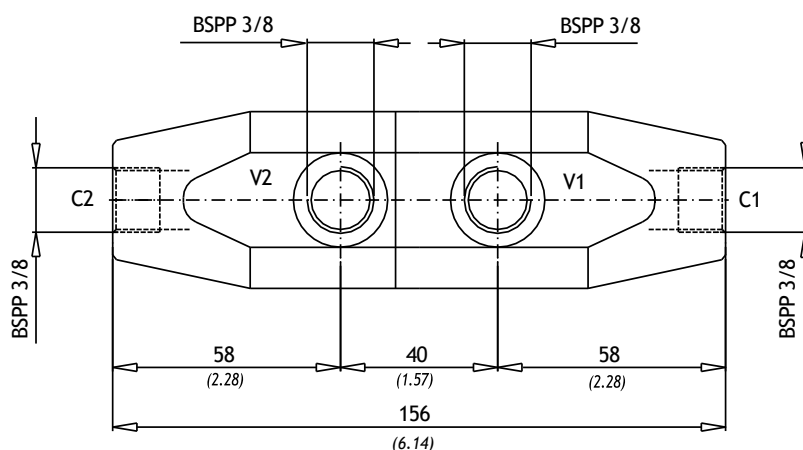
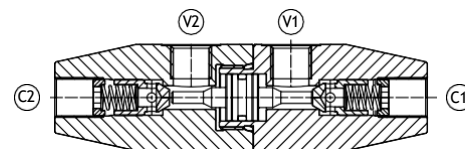
VRDP

Valvole di blocco a doppio effetto
Double acting pilot check valves

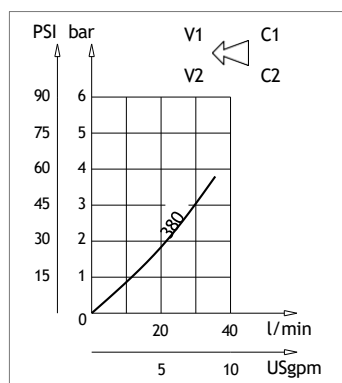
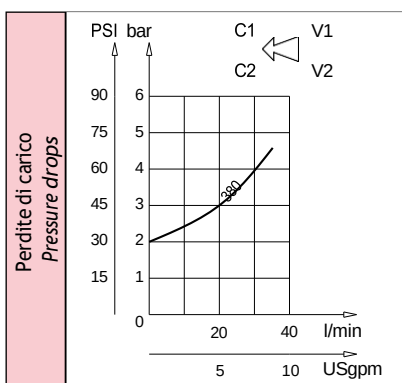


Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



Caratteristiche tecniche Technical performances

Codice Code	Portata Max Max ow l/min · USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Rapporto di pilotaggio Pilot ratio
VRDP 380	35 (9)	320 (4500)	1,42 (3.15)	1:4

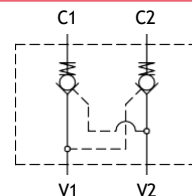
Codice ordinazione Ordering code

VRDP-380



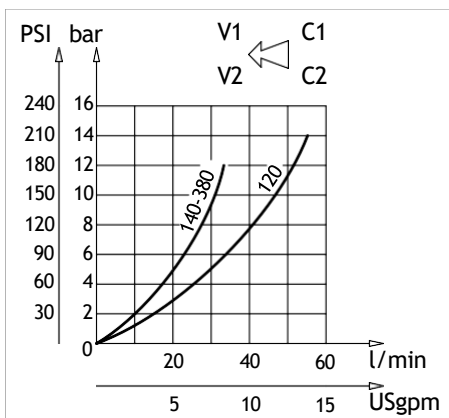
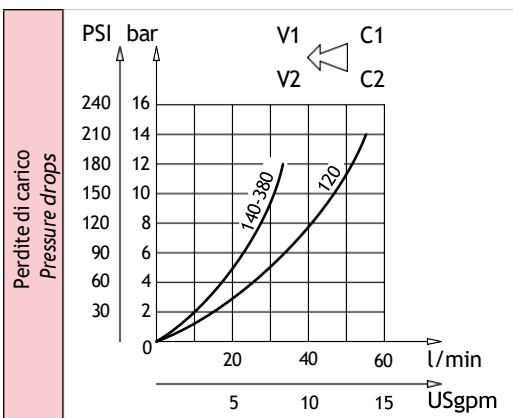
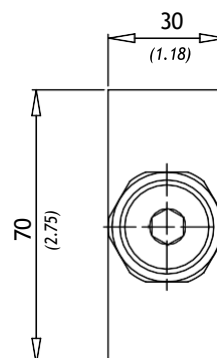
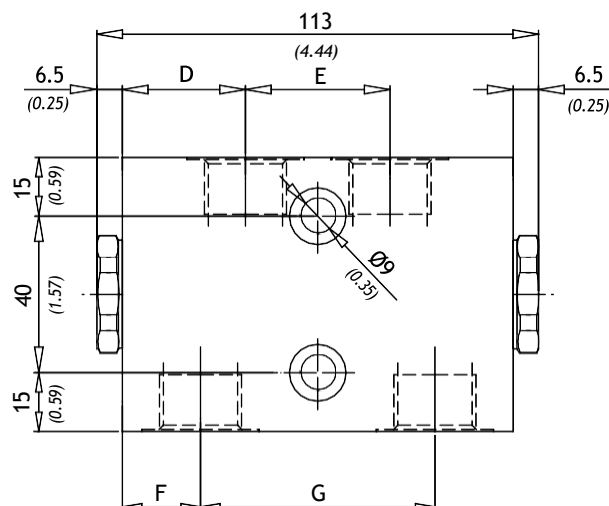
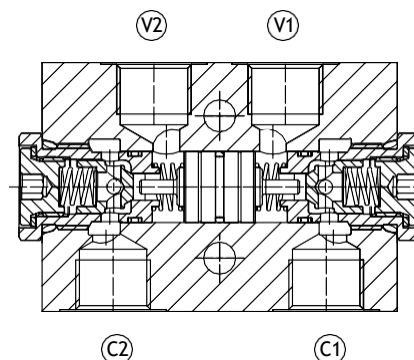
VRDL

Valvole di blocco a doppio effetto
Double acting pilot check valves



Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² / s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)

Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar / PSI	D	E	F	G	Peso approssimativo Approx weight Kg / lb	Rapporto di pilotaggio Pilot ratio
VRDL 140	BSPP 1/4	35 (9)	350 (5000)	35 (1.38)	30 (1.18)	18 (0.71)	64 (2.52)	1,25 (2.75)	1:7.1
VRDL 380	BSPP 3/8			31,5 (1.24)	37 (1.46)	20 (0.79)	60 (2.36)	1,39 (3.1)	
VRDL 120	BSPP 1/2	50 (13)						1,32 (2.9)	

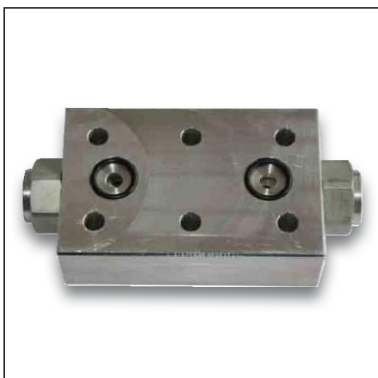
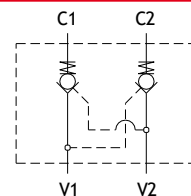
Codice ordinazione Ordering code

VRDL-X	
X	Dimensione / Size
140	BSPP 1/4
380	BSPP 3/8
120	BSPP 1/2



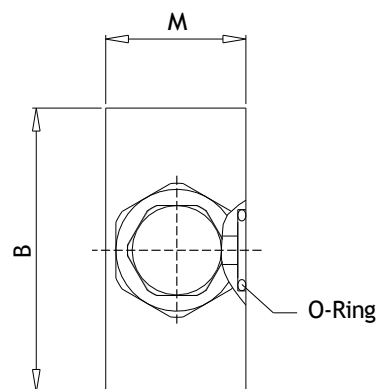
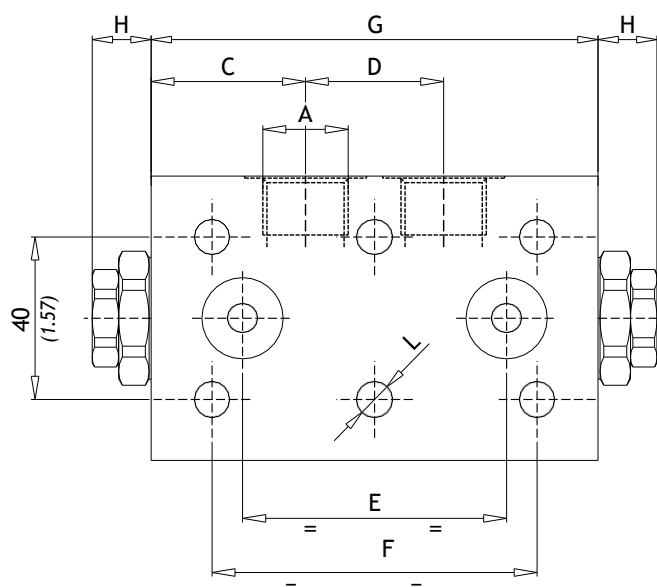
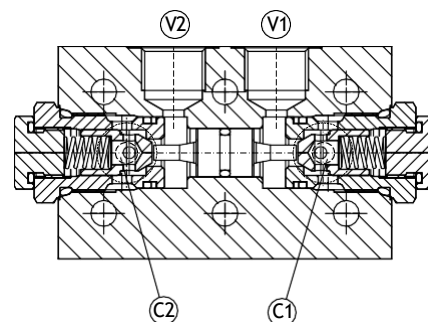
VRDF

Valvola di blocco flangiata doppio effetto
Double acting pilot check valves-flanged version

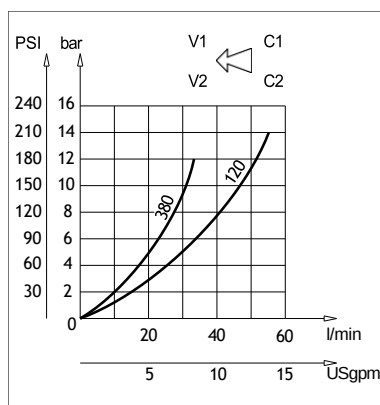
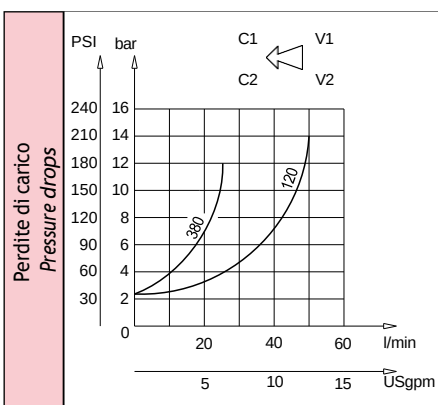


Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



Codice ordinazione Ordering code			
VRDF-X-Y-K			
X	Dimensione / Size	K	O-Ring sul pistone di pilotaggio O-ring on pilot piston
380	BSPP 3/8		
120	BSPP 1/2		
Y	Molla / Spring	0	No o-ring
1	1 bar Standard		
6	6 bar		
		1	Con o-ring With o-ring

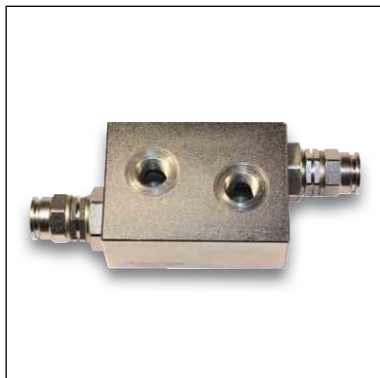
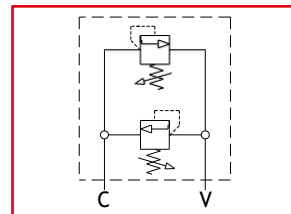
Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar / PSI	B	C	D	E	F	G	H	L	M	O-Ring	Peso approssimativo Approx weight Kg / lb	Rapporto di pilotaggio Pilot ratio
VRDF380	BSPP 3/8	35 (9)	210 (3000)	60 (2.36)	32 (1.26)	32 (1.26)	62 (2.44)	70 (2.76)	96 (3.78)	10 (0.39)	6.5 (0.26)	34 (1.34)	9.19 x 2.62	1,2 (2.6)	1:7
VRDF120	BSPP 1/2	50 (13)		70 (2.76)	38 (1.49)	34 (1.34)	65 (2.56)	80 (3.15)	110 (4.33)	14.5 (0.57)	8.5 (0.33)	34 (1.34)	15.54 x 2.62	1,32 (2.9)	1:3,2

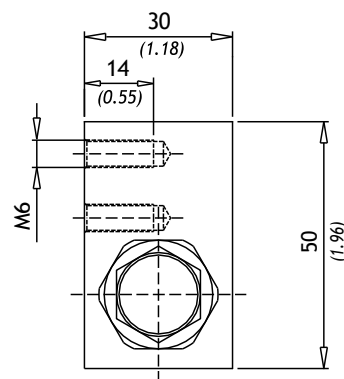
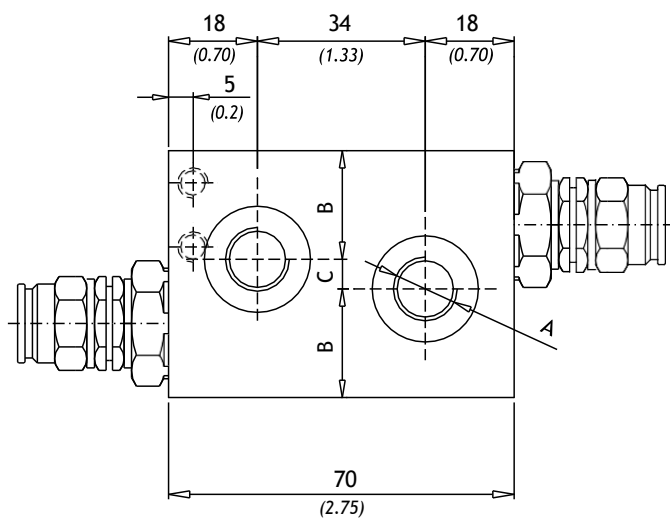
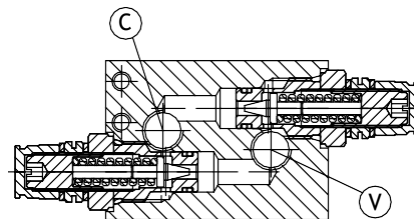


DCA

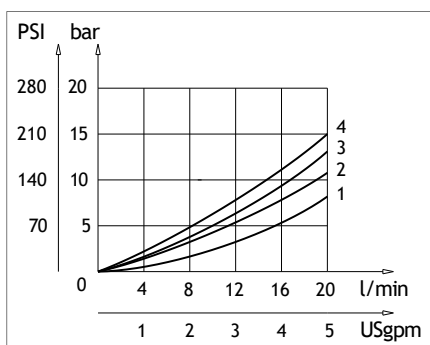
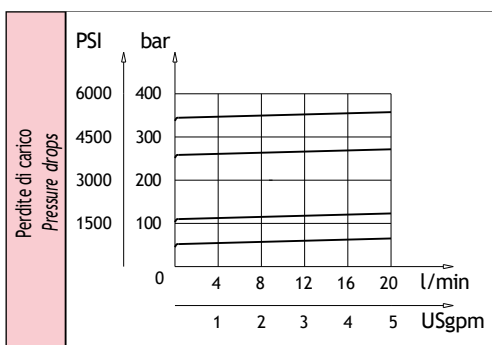
Valvole antiurto doppie incrociate
Double cross line direct acting relief valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



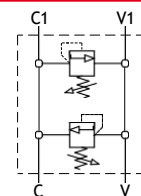
Caratteristiche tecniche Technical performances							
Codice Code	A	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	Peso approssimativo Approx weight Kg / lb	Valvola tipo Type of valve
DCA140	BSPP 1/4	20 (5.3)	350 (5000)	22 (0.87)	6 (0.24)	0,8 (1.8)	VMD1
DCA380	BSPP 3/8			20 (0.79)	10 (0.39)		

Codice ordinazione Ordering code			
DCA - X - Y			
X	Dimensione / Size	Y	Molla / Spring
140	BSPP 1/4	1	40 bar (580 PSI) max
		2	110 bar (1600 PSI) max
380	BSPP 3/8	3	250 bar (3600 PSI) max
		4	350 bar (5000 PSI) max

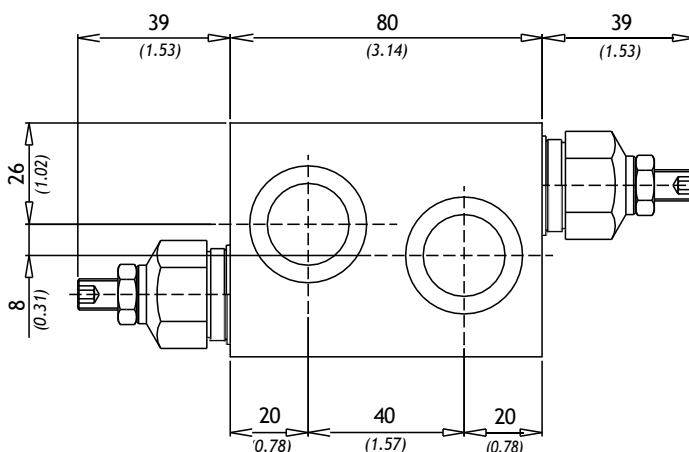
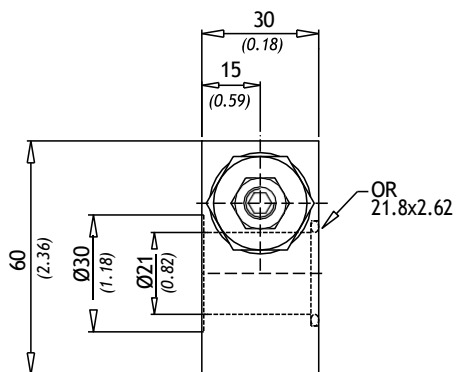
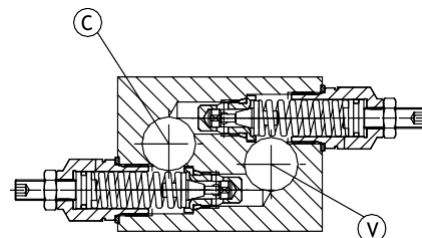


DCL

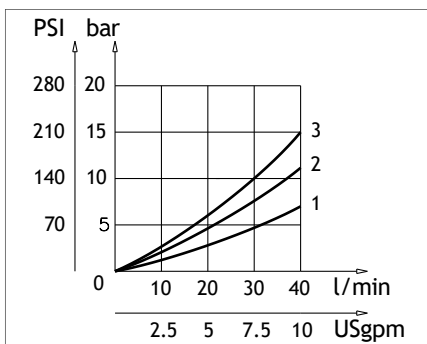
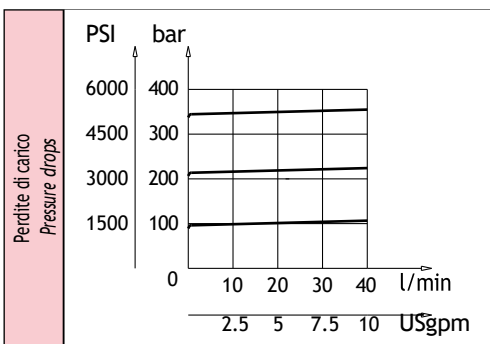
Valvole antiurto doppie incrociate
Double cross line direct acting relief valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F



mm
(Inches)



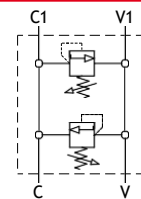
Caratteristiche tecniche Technical performances					
Codice Code	A	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Valvola tipo Type of valve
DCL120	BSPP 1/2	40 (10.5)	350 (5000)	1,5 (3.3)	VMD40

Codice ordinazione Ordering code			
DCL - X - Y - K			
X	Dimensione / Size	K	Cappuccio in plastica Safety cap
120	BSPP 1/2	S	
Y	Molla / Spring		
1	100 bar (1450 PSI) max		
2	210 bar (3000 PSI) max		
3	350 bar (5000 PSI) max		

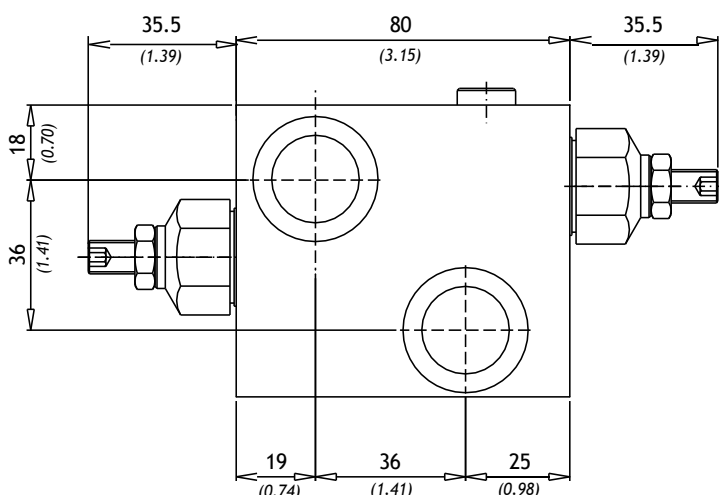
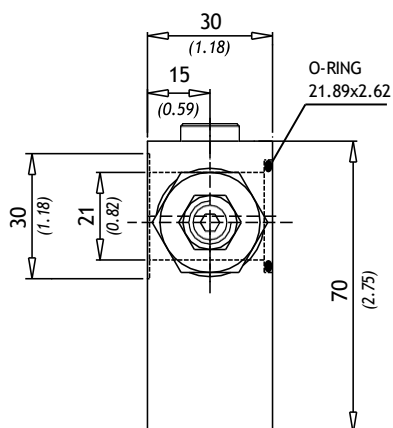
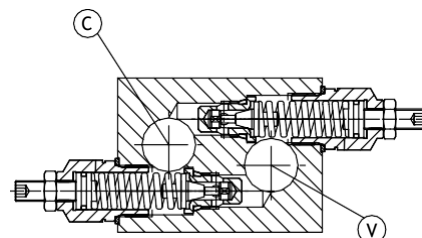


DCV

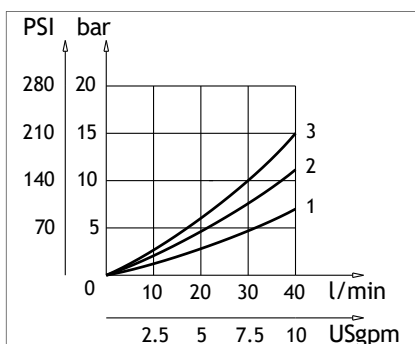
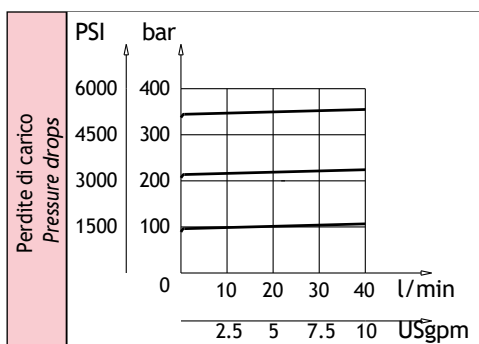
Valvole antiurto doppie incrociate
Double cross line direct acting relief valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F



mm
(Inches)



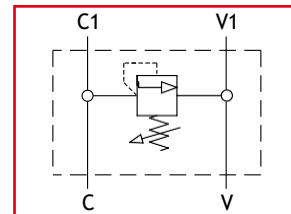
Caratteristiche tecniche Technical performances					
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar / PSI	Peso approssimativo Approx weight Kg / lb	Valvola tipo Type of valve
DCV120	BSPP 1/2	40 (10.5)	350 (5000)	1,2 (2.7)	VMD40

Codice ordinazione Ordering code			
DCV - X - Y - K			
X	Dimensione / Size	K	Cappuccio in plastica Safety cap
120	BSPP 1/2	S	
Y	Molla / Spring		
1	100 bar (1450 PSI) max		
2	210 bar (3000 PSI) max		
3	350 bar (5000 PSI) max		

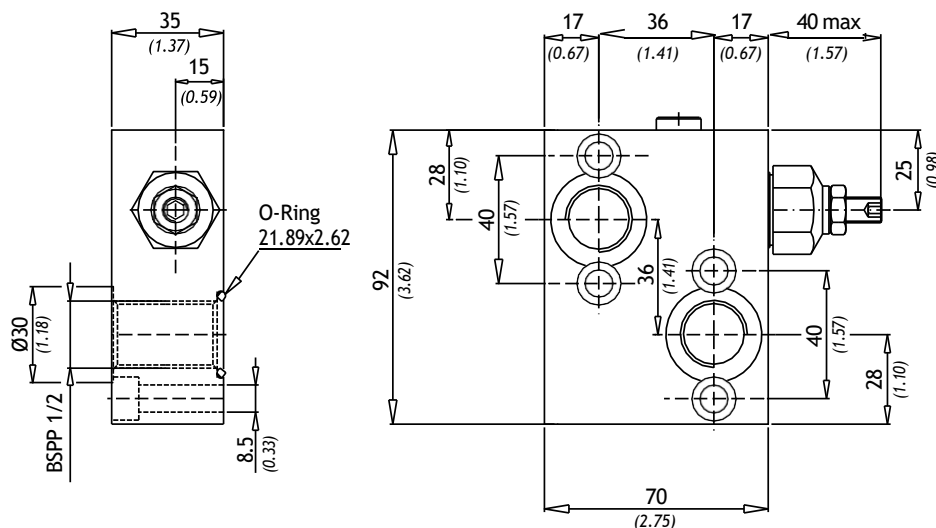
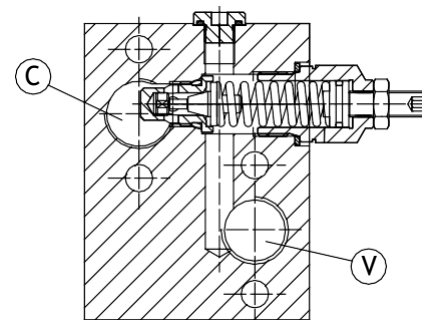


SCF

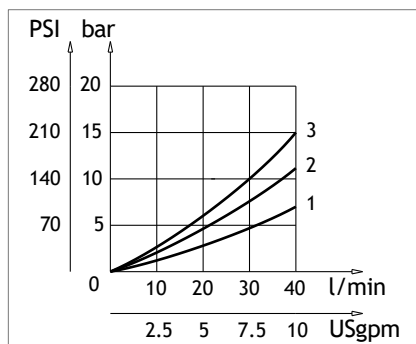
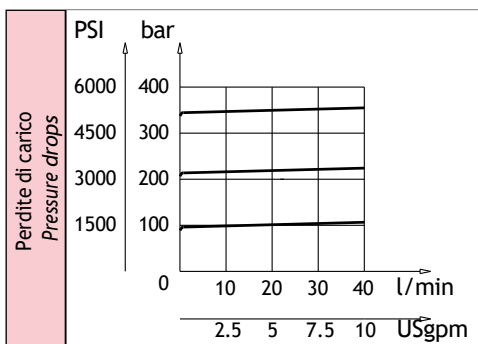
Valvola antiurto singola
Single line direct acting relief valve



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



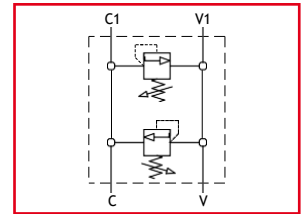
Caratteristiche tecniche Technical performances					
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Valvola tipo Type of valve
SCF120	BSPP 1/2	40 (10.5)	350 (5000)	1,5 (3.3)	VMD40

Codice ordinazione Ordering code			
SCF - X - Y - K			
X	Dimensione / Size	K	Cappuccio in plastica Safety cap
120	BSPP 1/2	S	
Y	Molla / Spring		
1	100 bar (1450 PSI) max		
2	210 bar (3000 PSI) max		
3	350 bar (5000 PSI) max		

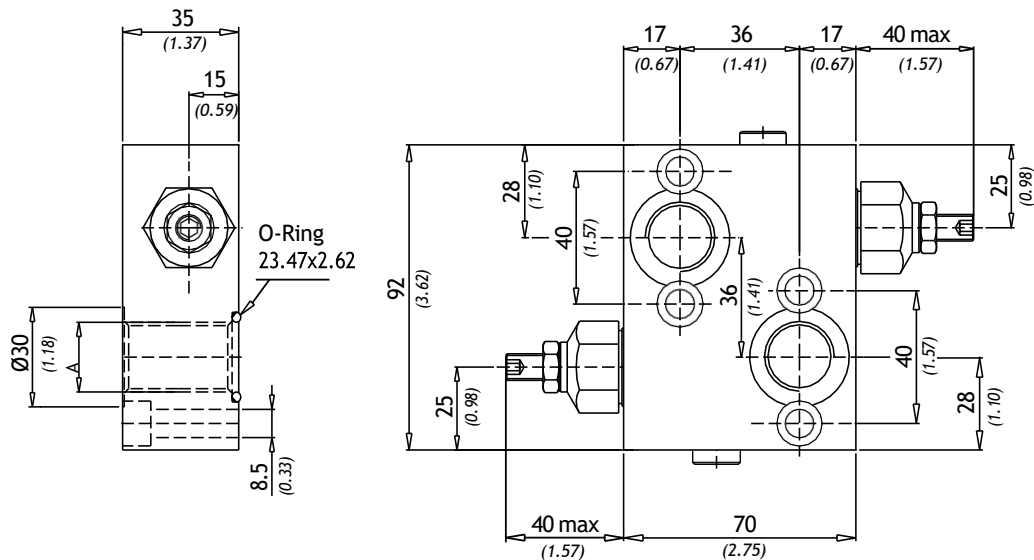
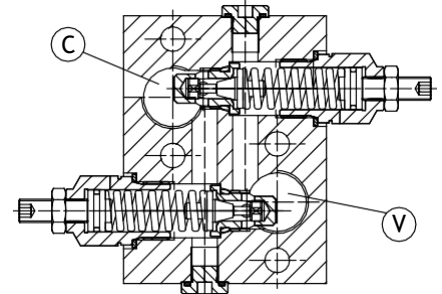


DCF

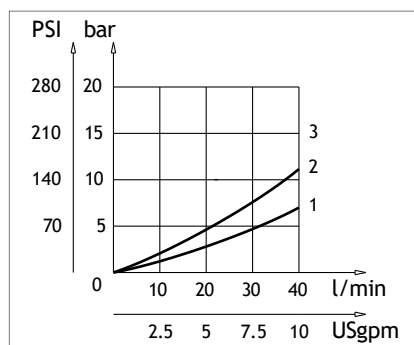
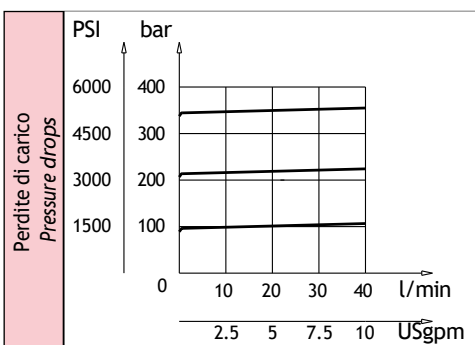
Valvola antiurto doppie incrociate
Double cross line direct acting relief valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F



mm
(Inches)



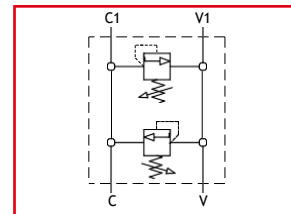
Caratteristiche tecniche Technical performances					
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar / PSI	Peso approssimativo Approx weight Kg / lb	Valvola tipo Type of valve
DCF120	BSPP 1/2	40 (10.5)	350 (5000)	1,5 (3.3)	VMD40
DCF7814	7/8 - 14 UNF				
DCF2215	M22 x 1,5				

Codice ordinazione Ordering code			
DCF - X - Y - K			
X	Dimensione / Size	K	Cappuccio in plastica Safety cap
120	BSPP 1/2	S	
7814	7/8 - 14UNF		
2215	M22x1.5		
Y	Molla / Spring		
1	100 bar (1450 PSI) max		
2	210 bar (3000 PSI) max		
3	350 bar (5000 PSI) max		

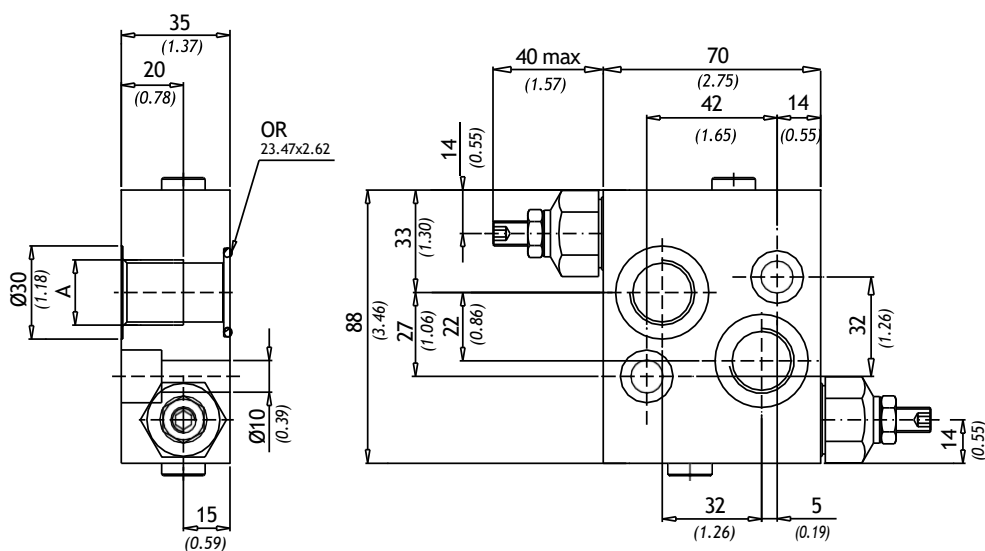
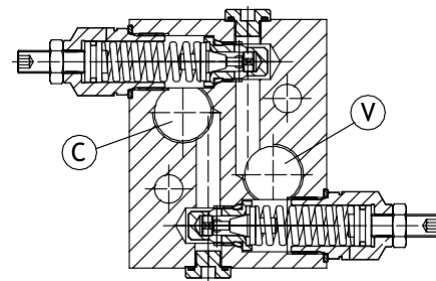


DCM

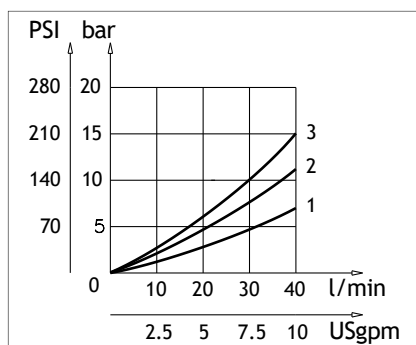
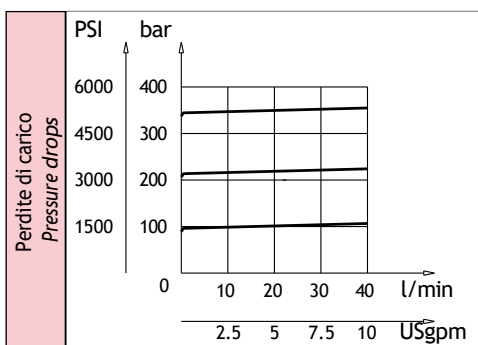
Valvola antiurto doppie incrociate
Double cross line direct acting relief valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



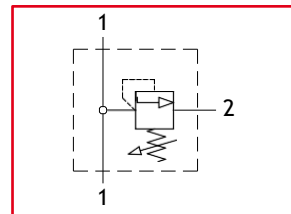
Caratteristiche tecniche Technical performances					
Code Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar / PSI	Peso approssimativo Approx weight Kg / lb	Valvola tipo Type of valve
DCM120	BSPP 1/2	40 (10.5)	350 (5000)	1,5 (3.3)	VMD40
DCM7814	7/8 - 14 UNF				
DCM2215	M22 x 1,5				

Codice ordinazione Ordering code			
DCM - X - Y - K			
X	Dimensione / Size	K	Cappuccio in plastica Safety cap
120	BSPP 1/2	S	
7814	7/8 - 14UNF		
2215	M22x1.5		
Y	Molla / Spring		
1	100 bar (1450 PSI) max		
2	210 bar (3000 PSI) max		
3	350 bar (5000 PSI) max		

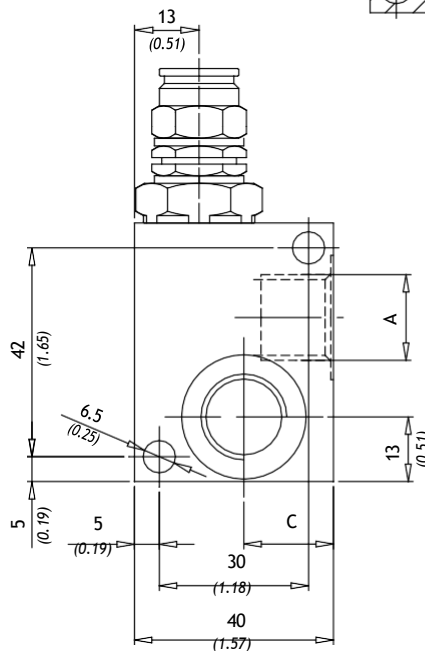
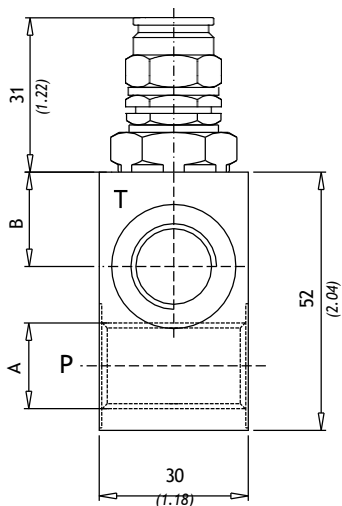
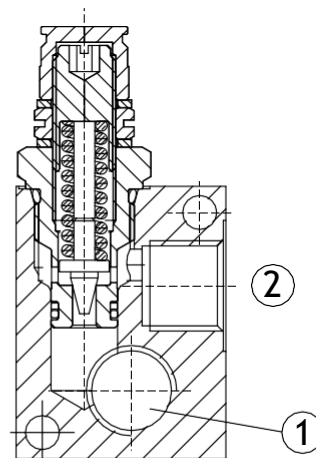


VMDR1

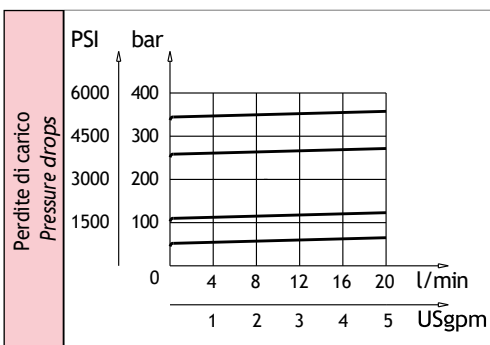
Valvole di massima pressione in linea
Direct acting relief valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



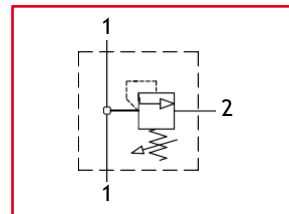
Caratteristiche tecniche Technical performances						
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	Peso approssimativo Approx weight Kg / lb
VMDR1140	BSPP 1/4	20 (5)	350 (5000)	17 (0.67)	20 (0.78)	0,45 (0.99)
VMDR1380	BSPP 3/8			19 (0.75)	18 (0.71)	

Codice ordinazione Ordering code			
VMDR1 - X - Y - K			
X	Dimensione / Size	Y	Regolazione / Setting
140	BSPP 1/4	C	
380	BSPP 3/8		
K	Molla / Spring		
1	40 bar (600 PSI) max		
2	110 bar (1600 PSI) max		
3	250 bar (3600 PSI) max		
4	350 bar (5000 PSI) max		

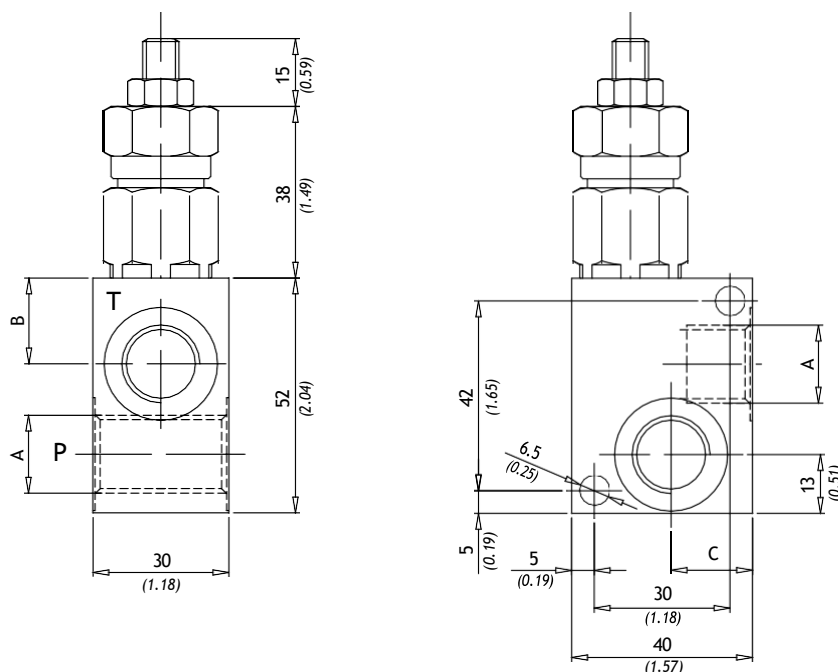
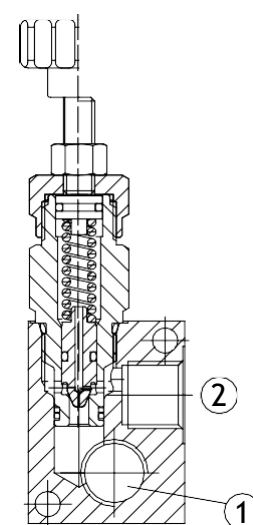


VMDR10

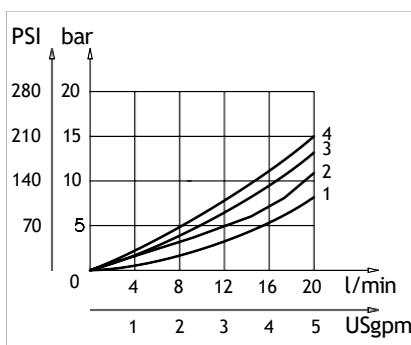
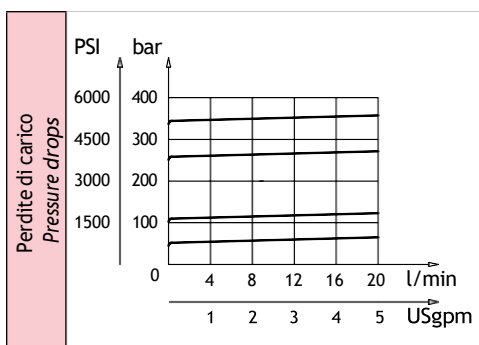
Valvole di massima pressione in linea
Direct acting relief valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



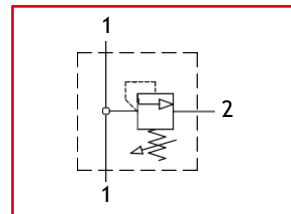
Caratteristiche tecniche Technical performances						
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	Peso approssimativo Approx weight Kg / lb
VMDR10140	BSPP 1/4	20 (5)	350 (5000)	17 (0.67)	20 (0.79)	0,50 (1.1)
VMDR10380	BSPP 3/8			19 (0.75)	18 (0.71)	

Codice ordinazione Ordering code			
VMDR10 - X - Y - K			
X	Dimensione / Size	Y	Regolazione / Setting
140	BSPP 1/4	C	
380	BSPP 3/8		
K	Molla - Spring	V	
1	40 bar (600 PSI) max		
2	110 bar (1600 PSI) max		
3	250 bar (3600 PSI) max		
4	350 bar (5000 PSI) max		
		S	

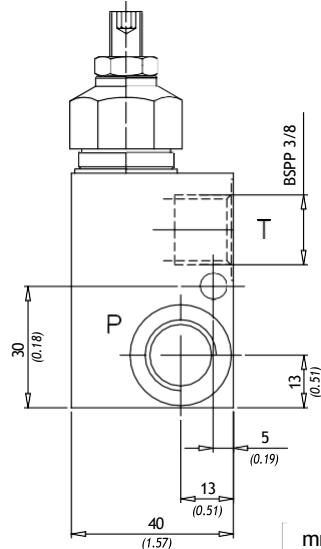
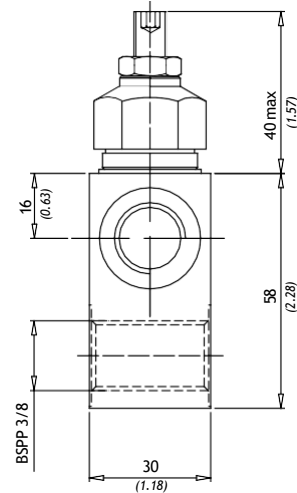
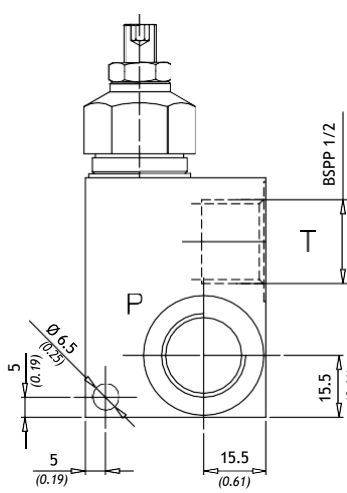
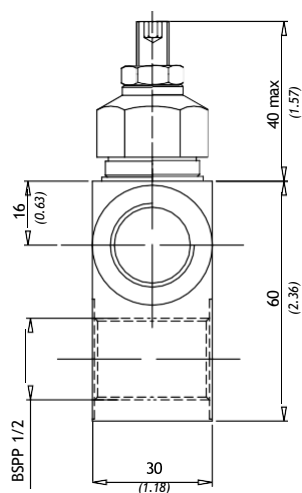
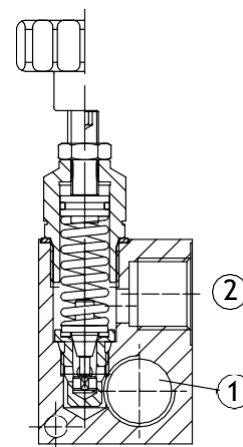


VMDR40

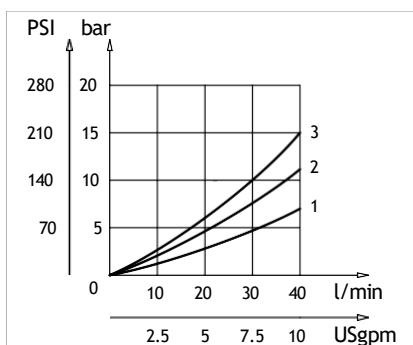
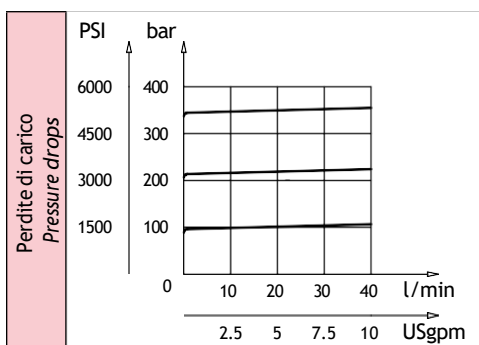
Valvole di massima pressione in linea
Direct acting relief valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² / s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



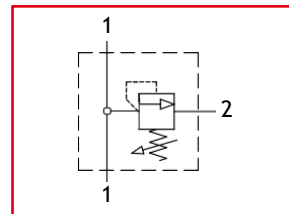
Caratteristiche tecniche Technical performances			
Codice Code	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb
VMDR40380	40 (10)	300 (4350)	0,50 (1.1)
VMDR40120			0,53 (1.2)

Codice ordinazione Ordering code			
VMDR40 - X - Y - K			
X	Dimensione / Size	Y	Regolazione / Setting
380	BSPP 3/8	C	
120	BSPP 1/2		
K	Molla - Spring		
1	110 bar (1450 PSI) max	V	
2	210 bar (3000 PSI) max		
3	300 bar (4350 PSI) max		
		S	

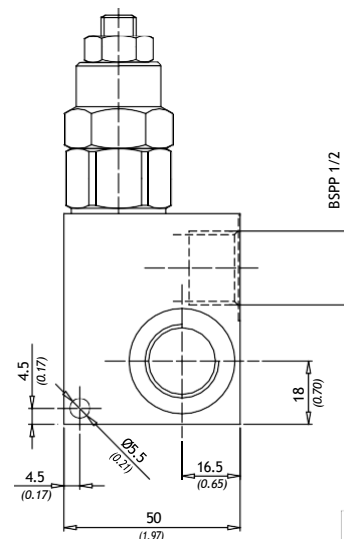
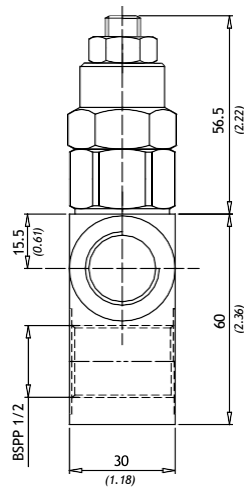
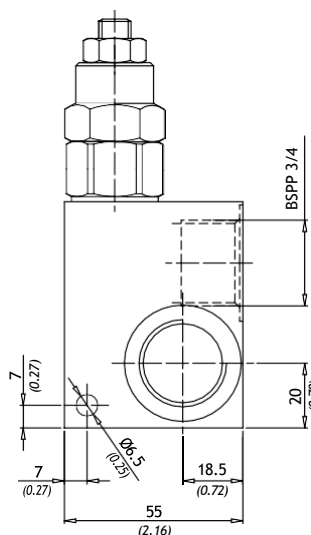
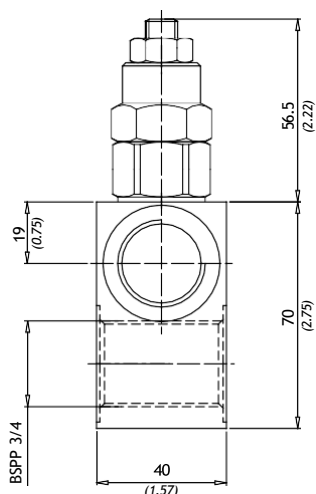
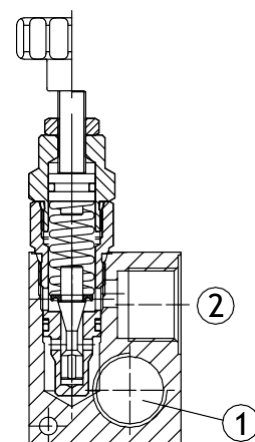


VMDR90

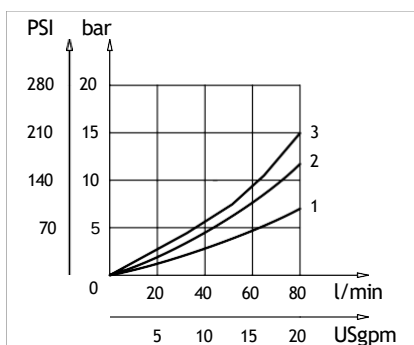
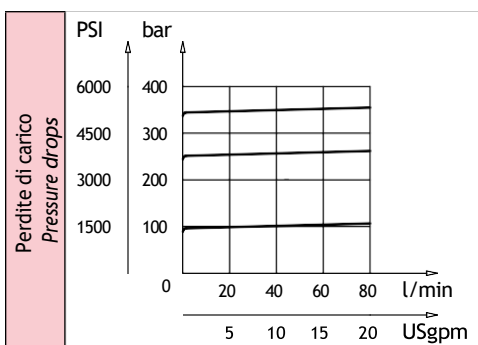
Valvole di massima pressione in linea
Direct acting relief valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² / s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



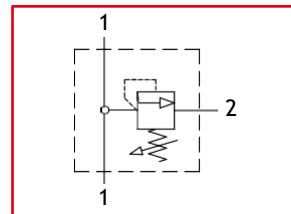
Caratteristiche tecniche Technical performances			
Codice Code	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb
VMDR90120	80 (20)	350 (5000)	0,67 (1.5)
VMDR90340			1 (2.2)

Codice ordinazione Ordering code			
VMDR90 - X - Y - K			
X	Dimensione / Size	Y	Regolazione / Setting
120	BSPP 1/2	C	
340	BSPP 3/4		
K	Molla - Spring		
1	100 bar (1450 PSI) max	V	
2	250 bar (3500 PSI) max		
3	350 bar (5000 PSI) max		
S			

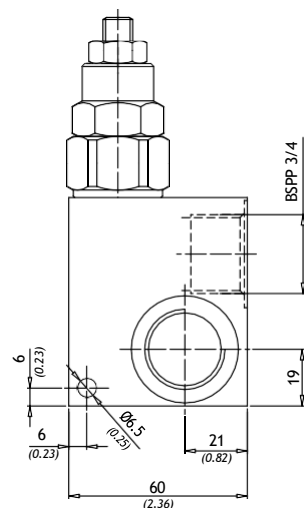
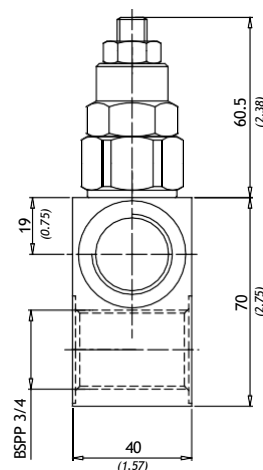
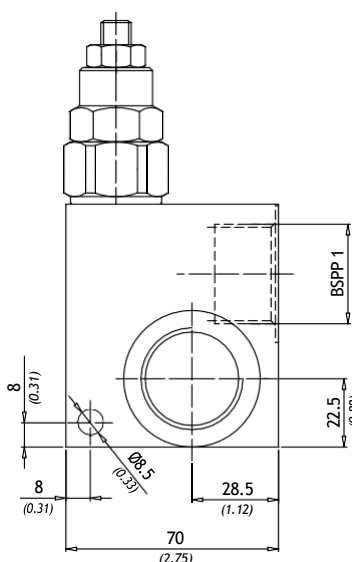
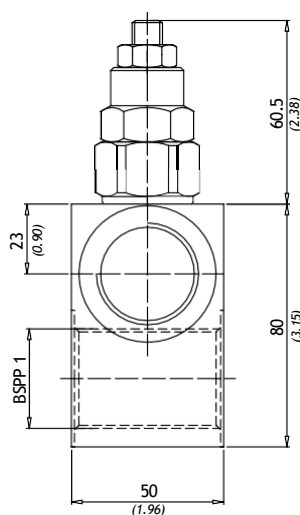
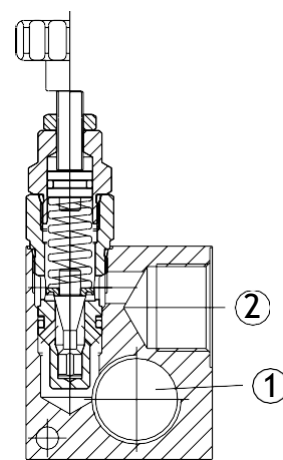


VMDR120

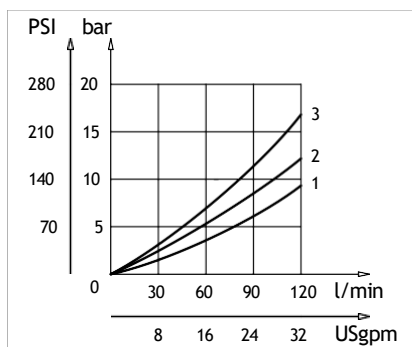
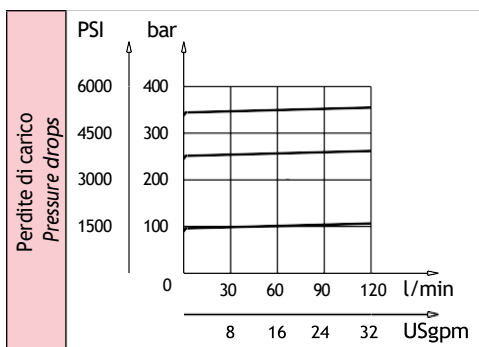
Valvole di massima pressione in linea
Direct acting relief valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² / s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



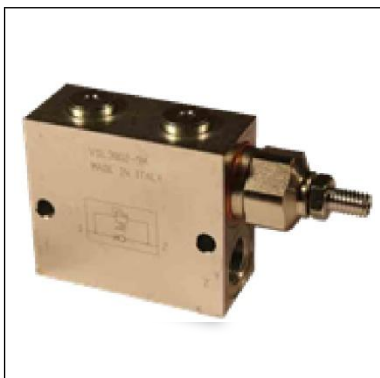
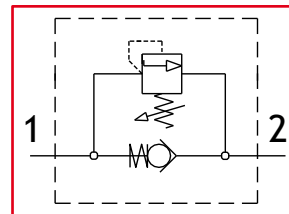
Caratteristiche tecniche Technical performances			
Codice Code	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb
VMDR120340	120 (30)	350 (5000)	1,1 (2.42)
VMDR120100			1,72 (3.8)

Codice ordinazione Ordering code			
VMDR120 - X - Y - K			
X	Dimensione / Size	Y	Regolazione / Setting
340	BSPP 3/4	C	
100	BSPP 1		
K	Molla - Spring	V	
1	100 bar (1450 PSI) max		
2	250 bar (3500 PSI) max		
3	350 bar (5000 PSI) max	S	



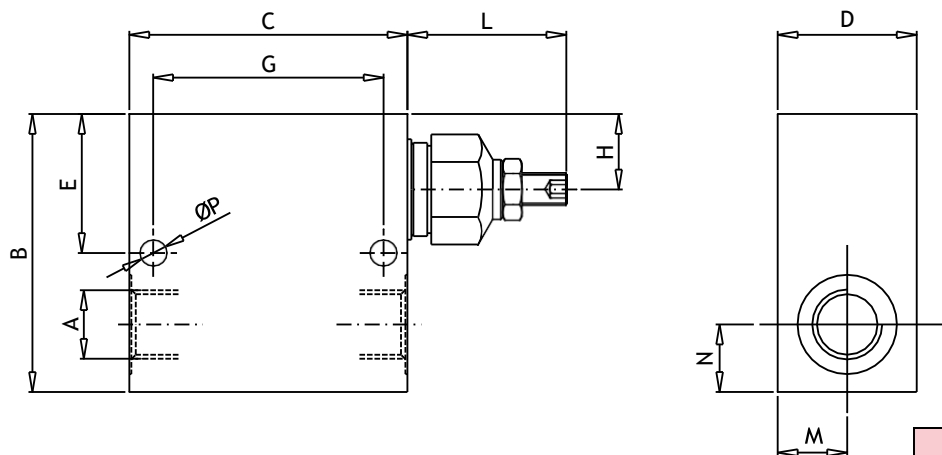
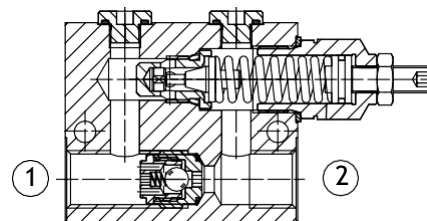
VSL

Valvole in sequenza dirette
In-line direct sequence valves



Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F

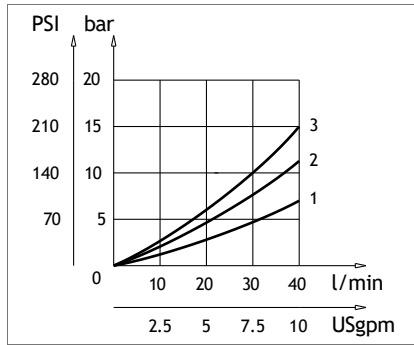
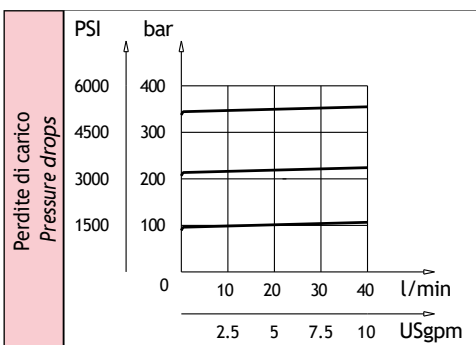


mm
(Inches)

Codice ordinazione Ordering code

VSL - X - Y - K

X	Dimensione / Size	Y	Regolazione / Setting
140	BSPP 1/4	C	
380	BSPP 3/8		
120	BSPP 1/2		
K	Molla - Spring	V	
1	100 bar (1450 PSI) max		
2	210 bar (3000 PSI) max		
3	300 bar (4350 PSI) max		
		S	



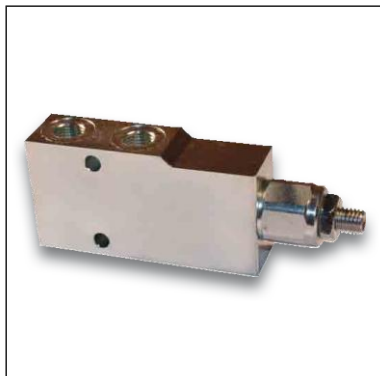
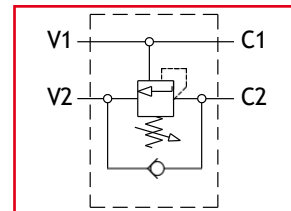
Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	D	E	G	L	M	N	H	P	Peso approssimativo Approx weight Kg / lb
VSL140	BSPP 1/4	40 (10)	300 (4350)	60 (2.36)	65 (2.56)	30 (1.18)	35 (1.38)	46 (1.81)	49,5 (1.95)	15 (0.59)	13 (0.51)	18 (0.71)	5,5 (0.22)	0,89 (2)
VSL380	BSPP 3/8				70 (2.76)	32,5 (1.28)	58 (2.28)	38 (1.50)	17,5 (0.69)	17 (0.67)	17 (0.67)	6,5 (0.26)		
VSL120	BSPP 1/2			70 (2.76)	35 (1.38)	35 (1.38)			17,5 (0.69)	17 (0.67)	19 (0.75)	6,5 (0.26)	1,20 (2.70)	

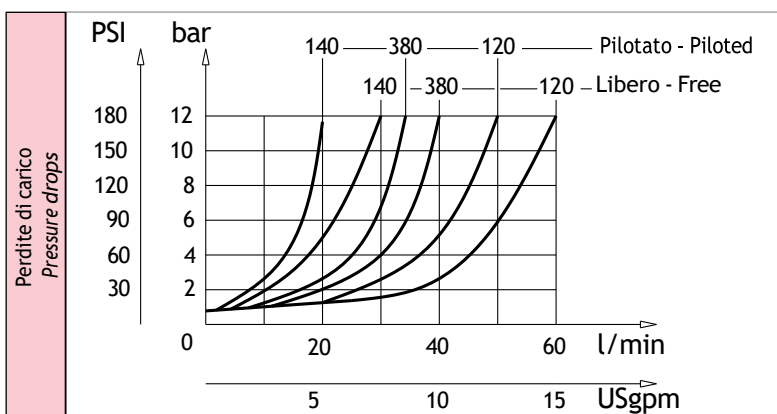
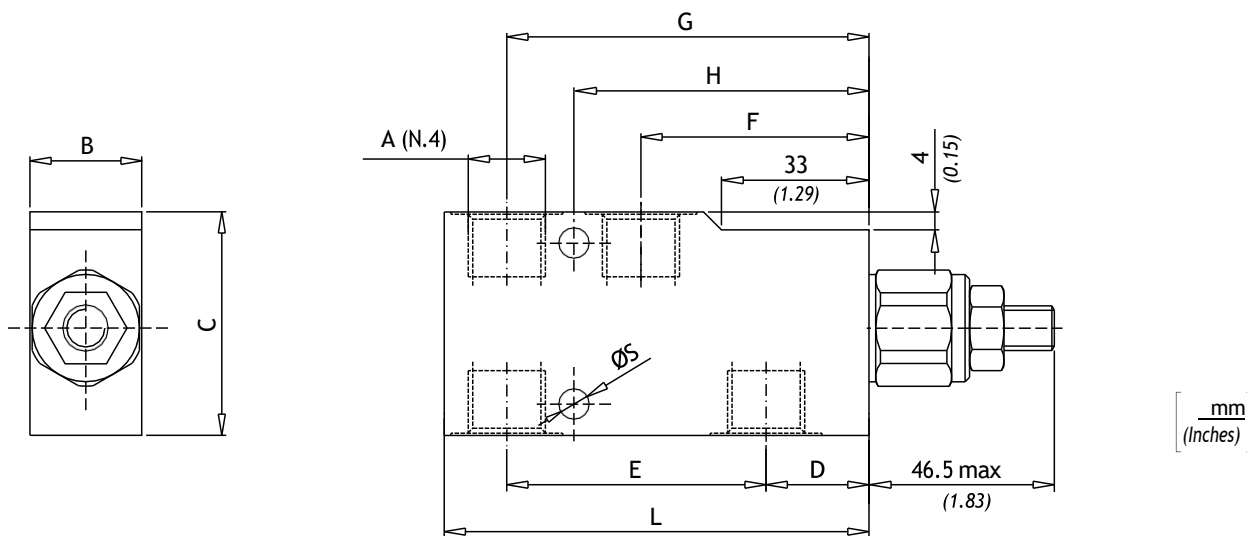
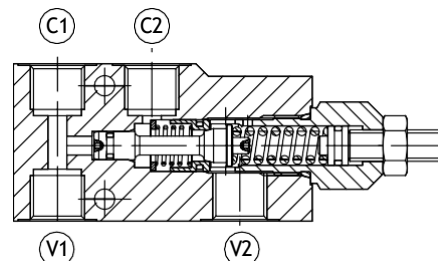


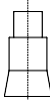
VBCL

Valvole overcenter singole per centro aperto
Single counterbalance valves for open center



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F + 176 °F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122 °F
Settaggio valvola di massima: almeno 1,3 volte il carico più alto usato. Relief valve setting: at least 1.3 times the highest expected load.	



Codice ordinazione Ordering code					
VBCL - X - Y - K - Z					
X	Dimensione / Size	K	Materiale / Material	Z	Optional
140	BSPP 1/4	S	Corpo in acciaio (Steel body)	S	
380	BSPP 3/8				
120	BSPP 1/2				
Y	Molla - Spring	Incremento pressione al giro Press. increase		Taratura standard Std. setting (Q=5 l/min)	
1	30/210 bar (400/3000 PSI)	70 bar/turn (1000 PSI/turn)		200 bar (2900 PSI)	
2	60/350 bar (850/3500 PSI)	120 bar/turn (1700 PSI/turn)		350 bar (5000 PSI)	

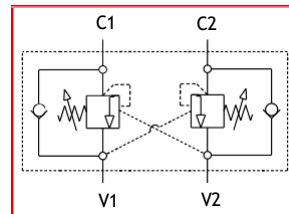
Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	D	E	F	G	H	L	S	Peso approssimativo Approx weight Kg / lb	Rapporto di pilotaggio Pilot ratio
VBCL140	BSPP 1/4	30 (8)	350 (5000)	25 (0.98)	50 (1.97)	23 (0.90)	58 (2.28)	51 (2)	81 (3.19)	66 (2.60)	95 (3.74)	6,5 (0.26)	0,85 (1.90)	1:4.25
VBCL380	BSPP 3/8	40 (10.5)		30 (1.18)	60 (2.36)	21 (0.83)	63 (2.48)		84 (3.30)	67,5 (2.66)	100 (3.94)		1,25 (2.75)	
VBCL120	BSPP 1/2	60 (16)												

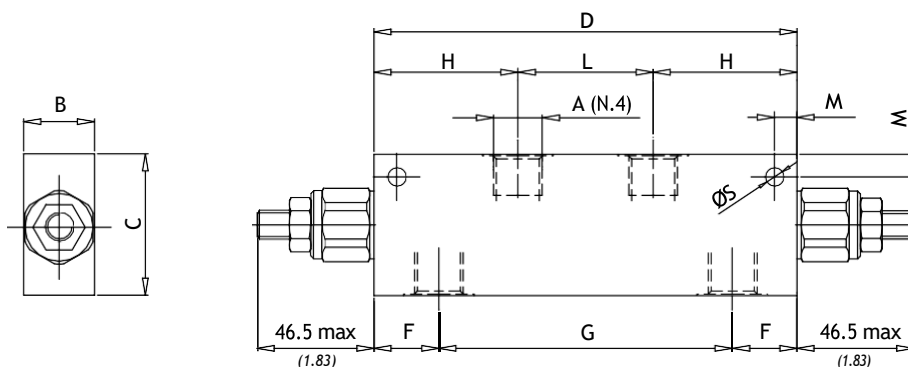
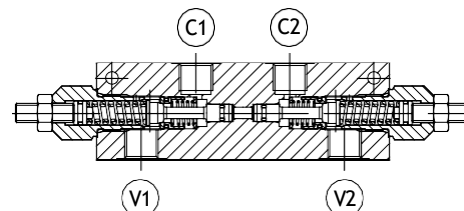


VBCD

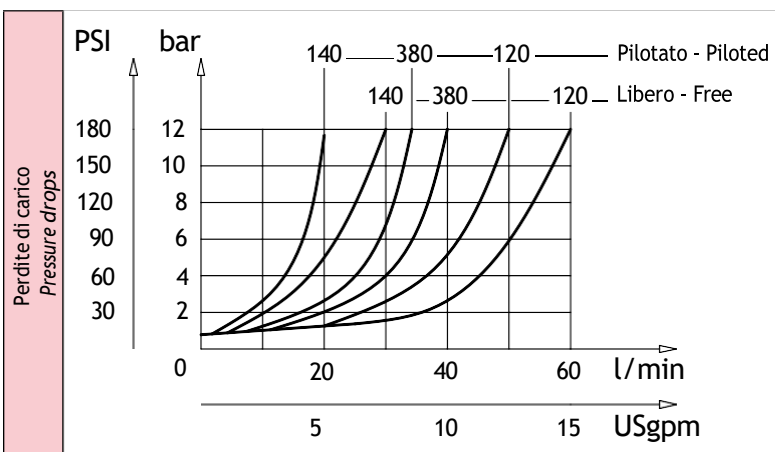
Valvole overcenter doppie per centro aperto
Dual counterbalance valves for open center



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F
Settaggio valvola di massima: almeno 1,3 volte il carico più alto usato. Relief valve setting: at least 1.3 times the highest expected load.	



mm
(Inches)



Codice ordinazione Ordering code					
VBCD - X - Y - K - Z					
X	Dimensione / Size	K	Materiale / Material	Z	Optional
140	BSPP 1/4	S	Corpo in acciaio (Steel body)	S	
380	BSPP 3/8				
120	BSPP 1/2				
Y	Molla - Spring	Incremento pressione al giro Press. increase		Taratura standard Std. setting (Q=5 l/min)	
1	30/210 bar (400/3000 PSI)	70 bar/turn (1000 PSI / turn)		200 bar (2900 PSI)	
2	60/350 bar (850/3500 PSI)	120 bar/turn (1700 PSI / turn)		350 bar (5000 PSI)	

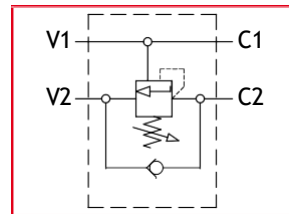
Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	D	F	G	H	L	M	S	Peso approssimativo Approx weight Kg / lb	Rapporto di pilotaggio Pilot ratio
VBCD140	BSPP 1/4	30 (8)	350 (5000)	25 (0.98)	50 (1.97)	150 (5.90)	23 (0.90)	104 (4.09)	51 (2)	48 (1.89)	8 (0.32)	6,5 (0.26)	1,5 (3.3)	1:4.25
VBCD380	BSPP 3/8	40 (10.5)		30 (1.18)	60 (2.36)		21 (0.83)	108 (4.25)					2 (4.4)	
VBCD120	BSPP 1/2	60 (16)												

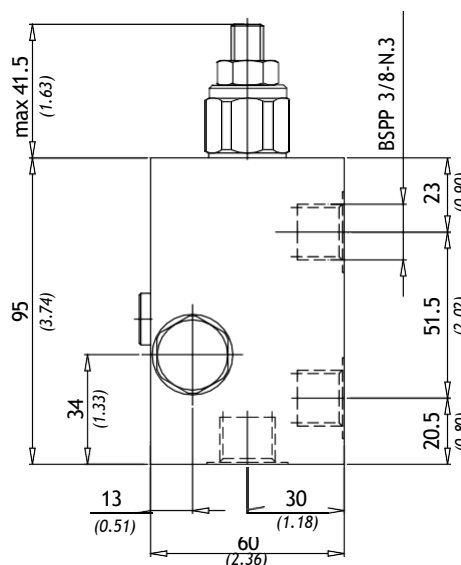
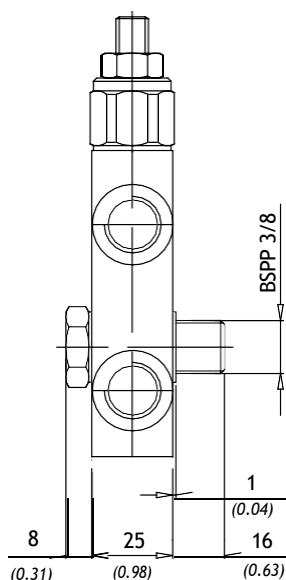
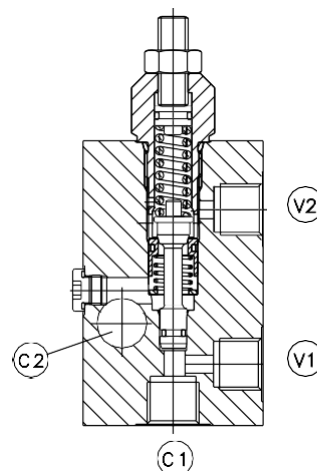


VBCB

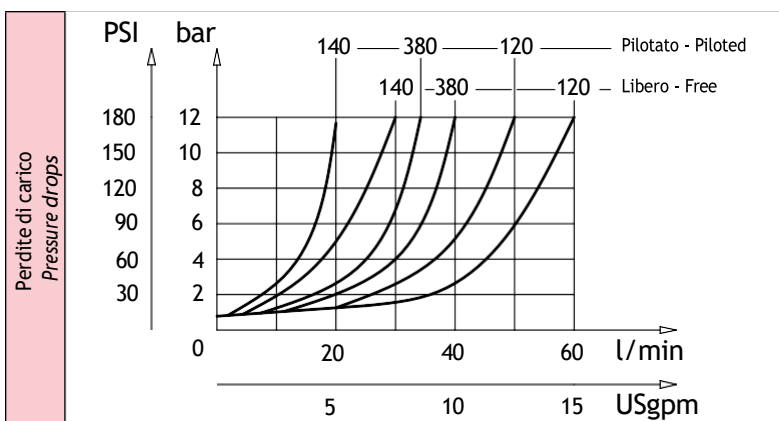
Valvole overcenter singola a bullone per centro aperto
Bolt-fitting single counterbalance valves for open center



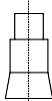
Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F
Settaggio valvola di massima: almeno 1,3 volte il carico più alto usato. Relief valve setting: at least 1.3 times the highest expected load.	



mm
(Inches)



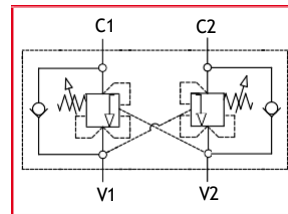
Caratteristiche tecniche Technical performances					
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Rapporto di pilotaggio Pilot ratio
VBCB380	BSPP 3/8	40 (10.5)	350 (5000)	1,1 (2.5)	1:4.25

Codice ordinazione Ordering code						
VBCB - X - Y - K - Z						
X	Dimensione / Size		K	Materiale / Material	Z	Optional
380	BSPP 3/8		S	Corpo in acciaio (Steel body)	S	
Y	Molla - Spring		Incremento pressione al giro Press. increase		Taratura standard Std. setting (Q=5 l/min)	
1	30/210 bar (400/ 3000 PSI)		70 bar/turn (1000 PSI/turn)		200 bar (2900 PSI)	
2	60/350 bar (850/ 3500 PSI)		120 bar/turn (1700 PSI/turn)		350 bar (5000 PSI)	

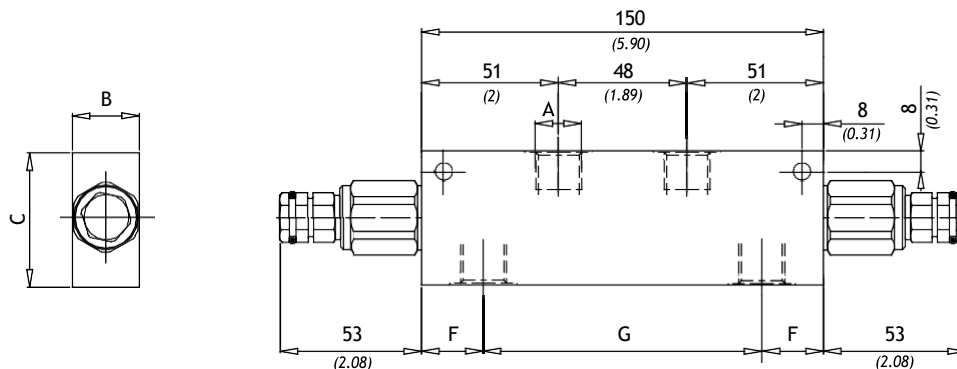
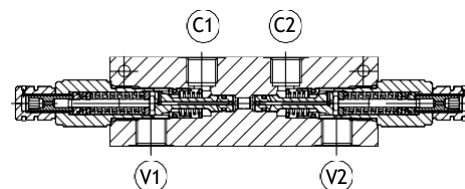


VBCC

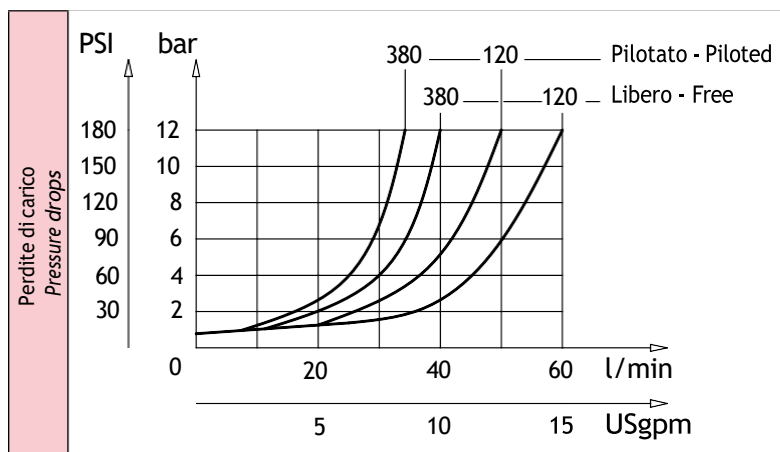
Valvole overcenter doppie per centro chiuso
Dual counterbalance valves for closed center



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F
Settaggio valvola di massima: almeno 1,3 volte il carico più alto usato. Relief valve setting: at least 1.3 times the highest expected load.	



mm
(Inches)



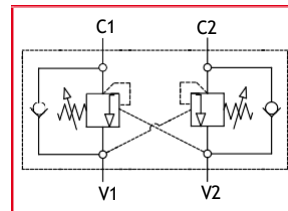
Codice ordinazione Ordering code			
VBCC - X - Y - K			
X	Dimensione / Size	K	Materiale / Material
140	BSPP 1/4	S	Corpo in acciaio (Steel body)
380	BSPP 3/8		
120	BSPP 1/2		
Y	Molla - Spring	Incremento pressione al giro Press. increase	Taratura standard Std. setting (Q=5 l/min)
1	30/210 bar (400/3000 PSI)	70 bar/turn (1000 PSI/turn)	200 bar (2900 PSI)
2	60/350 bar (850/3500 PSI)	120 bar/turn (1700 PSI/turn)	350 bar (5000 PSI)

Caratteristiche tecniche Technical performances							
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/ PSI	F	G	Peso approssimativo Approx weight Kg / lb	Rapporto di pilotaggio Pilot ratio
VBCC140	BSPP 1/4	30 (8)	350 (5000)	23 (0.90)	104 (4.09)	1,5 (3.3)	1:4.25
VBCC380	BSPP 3/8	40 (10.5)		21 (0.83)	108 (4.25)	2,1 (4.6)	
VBCC120	BSPP 1/2	60 (16)					



VBCF

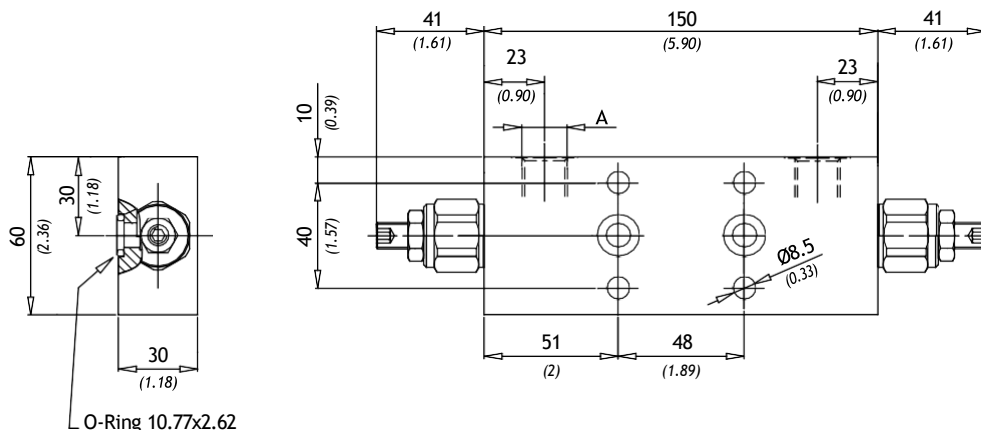
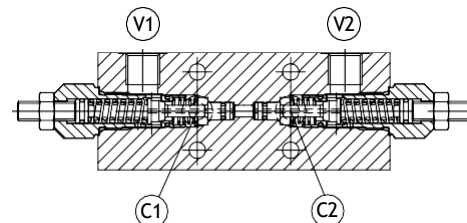
Valvole overcenter doppie per centro aperto
Dual counterbalance valves for open center



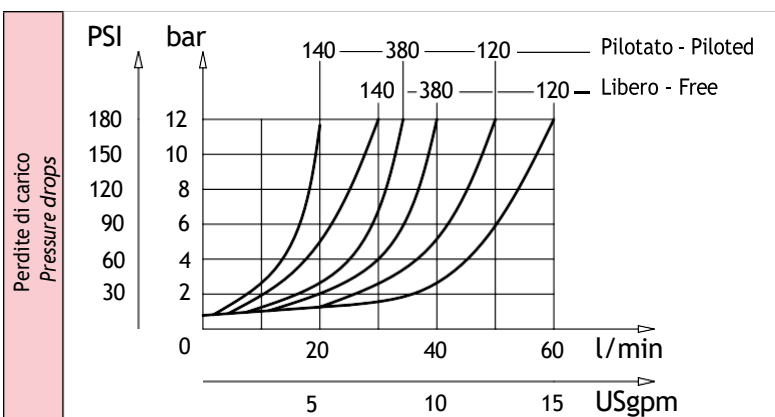
Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F

Settaggio valvola di massima: almeno 1,3 volte il carico più alto usato.
Relief valve setting: at least 1.3 times the highest expected load.



mm
(Inches)



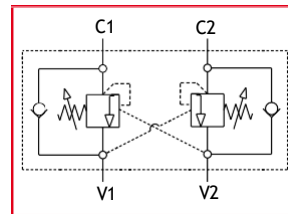
Caratteristiche tecniche Technical performances					
Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Rapporto di pilotaggio Pilot ratio
VBCF140	BSPP 1/4	40 (10.5)	350 (5000)	2 (4.4)	1:4.25
VBCF380	BSPP 3/8				
VBCF120	BSPP 1/2	60 (16)			

Codice ordinazione Ordering code					
VBCF - X - Y - K - Z					
X	Dimensione / Size	K	Materiale / Material	Z	Optional
140	BSPP 1/4	S	Corpo in acciaio (Steel body)	S	
380	BSPP 3/8				
120	BSPP 1/2				
Y	Molla - Spring	Incremento pressione al giro Press. increase		Taratura standard Std. setting (Q=5 l/min)	
1	30/210 bar (400/3000 PSI)	70 bar/turn (1000 PSI/turn)		200 bar (2900 PSI)	
2	60/350 bar (850/3500 PSI)	120 bar/turn (1700 PSI/turn)		350 bar (5000 PSI)	

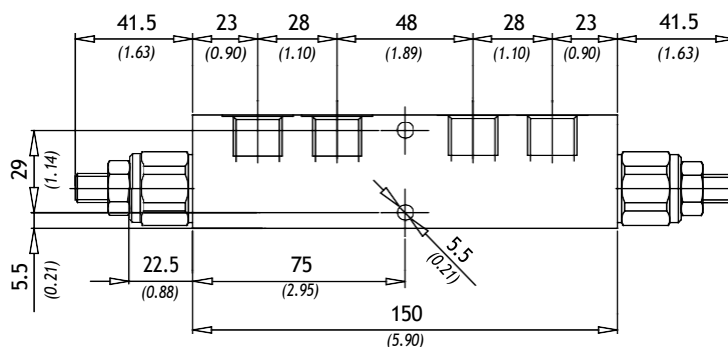
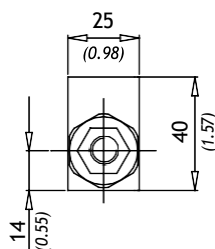
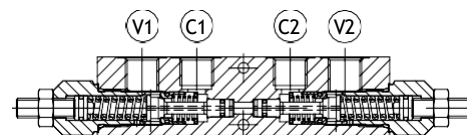


VBCG

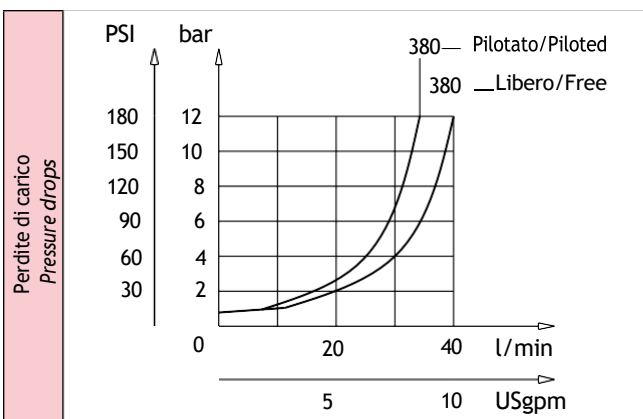
Valvole overcenter doppie per centro aperto
Dual counterbalance valves for open center



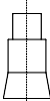
Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F
Settaggio valvola di massima: almeno 1,3 volte il carico più alto usato. Relief valve setting: at least 1.3 times the highest expected load.	



mm
(Inches)



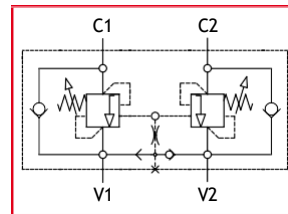
Caratteristiche tecniche Technical performances				
Codice Code	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Rapporto di pilotaggio Pilot ratio
VBCG380	40 (10.5)	210 (3000)	0,7 (1.55)	1:4.25

Codice ordinazione Ordering code						
VBCG - X - Y - K - Z						
X	Dimensione / Size		K	Materiale / Material	Z	Optional
380	BSPP 3/8		S	Corpo in alluminio (Aluminium body)	S	
Y	Molla - Spring		Incremento pressione al giro Press. increase		Taratura standard Std. setting (Q=5 l/min)	
1	30/210 bar (400/3000 PSI)		70 bar/turn (1000 PSI/turn)		200 bar (2900 PSI)	
2	60/350 bar (850/3500 PSI)		120 bar/turn (1700 PSI/turn)		350 bar (5000 PSI)	



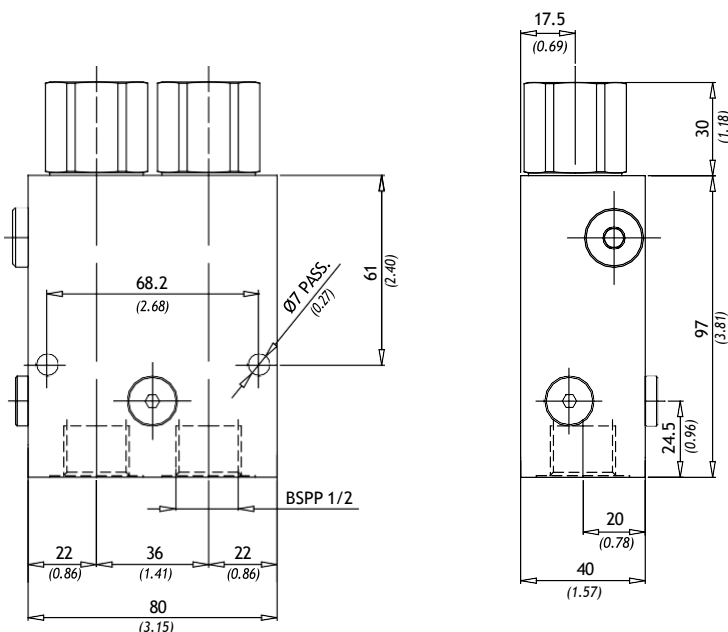
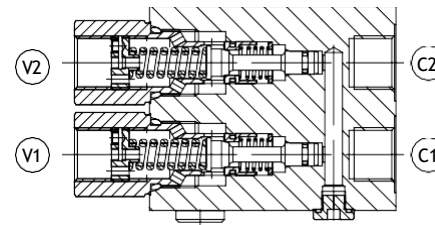
VBCE

Valvole overcenter doppio effetto
Dual counterbalance valves for open center

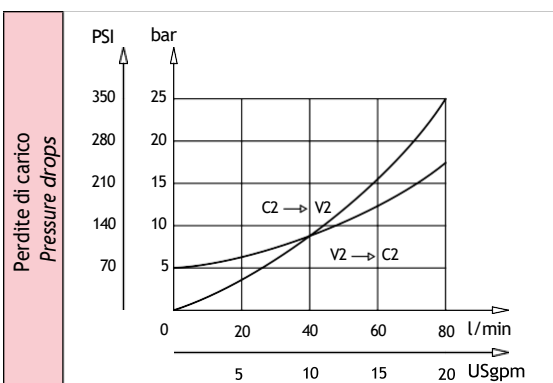


Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² / s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20 °C +80 °C -4 °F + 176 °F
Temperatura ambiente Ambient temperature	-20 °C +50 °C -4 °F +122 °F
Settaggio valvola di massima: almeno 1,3 volte il carico più alto usato. Relief valve setting: at least 1.3 times the highest expected load.	



mm
(Inches)



Caratteristiche tecniche Technical performances

Codice Code	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar / PSI	Peso approssimativo Approx weight Kg / lb	Rapporto di pilotaggio Pilot ratio
VBCE120	60 (15)	350 (5000)	2,3 (5)	1:4.25

Codice ordinazione Ordering code

VBCE - X - Y - K

X	Dimensione / Size	K	Materiale / Material
120	BSPP 1/2	S	Corpo in acciaio (Steel body)
Y	Molla - Spring	Incremento pressione al giro Press. increase	Taratura standard Std. setting (Q=5 l/min)
1	30/210 bar (400/3000 PSI)	70 bar/turn (1000 PSI / turn)	200 bar (2900 PSI)
2	60/350 bar (850/3500 PSI)	120 bar/turn (1700 PSI / turn)	350 bar (5000 PSI)



Valvole a cartuccia

Cartridge valves

Euro
SERVICES

HYDRAULIC VALVES AND COMPONENTS

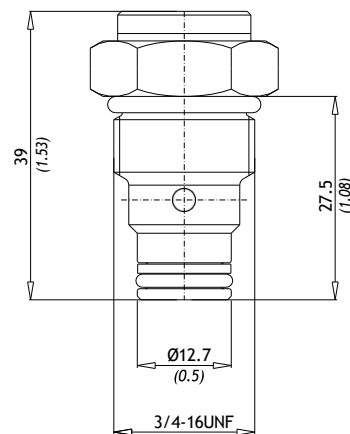


CUR6

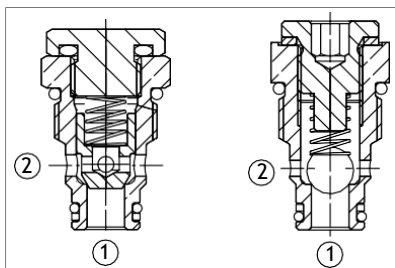
Valvole unidirezionali
Check valves



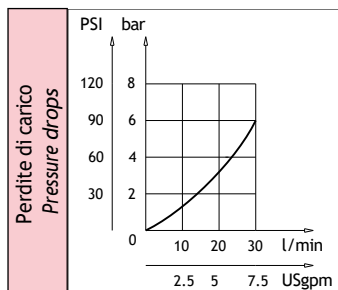
Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F



mm
(Inches)



Caratteristiche tecniche Technical performances					
Codice Code	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Coppia di serraggio Tightening torque Nm / lbf ft	Cavità Cavity
CUR6	25 (6.5)	350 (5000)	0,07 (0.15)	25-30 (19-22)	SAE8/2



Codice ordinazione Ordering code			
CUR6 - X - Y			
X	Tenuta - Sealing	Y	Molla / Spring
SF	Tenuta a sfera Ball sealing	1	1 bar (15 PSI)
SP	Tenuta a otturatore Poppet sealing		

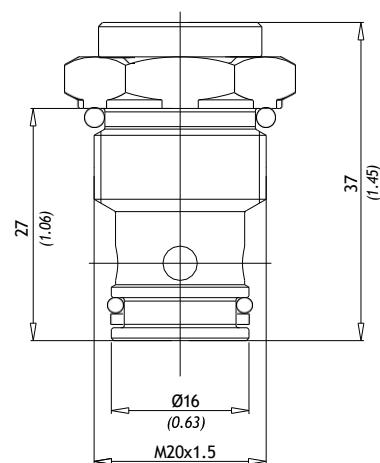


CUR2015

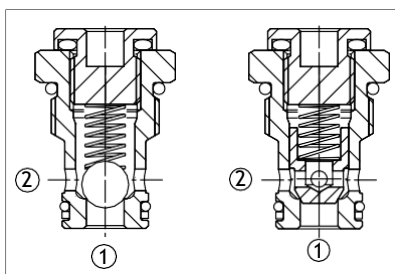
Valvole unidirezionali
Check valves



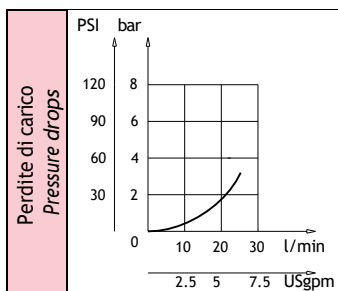
Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F



mm
(Inches)



Caratteristiche tecniche Technical performances					
Codice Code	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Coppia di serraggio Tightening torque Nm / lbf ft	Cavità Cavity
CUR2015	25 (6.5)	350 (5000)	0,07 (0.15)	25-30 (19-22)	C2015/2



Codice ordinazione Ordering code			
CUR2015 - X - Y			
X	Tenuta - Sealing	Y	Molla / Spring
SF	Tenuta a sfera Ball sealing	1	1 bar (15 PSI)
SP	Tenuta a otturatore Poppet sealing		

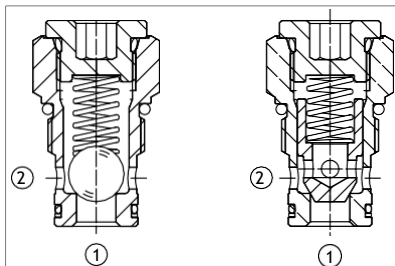
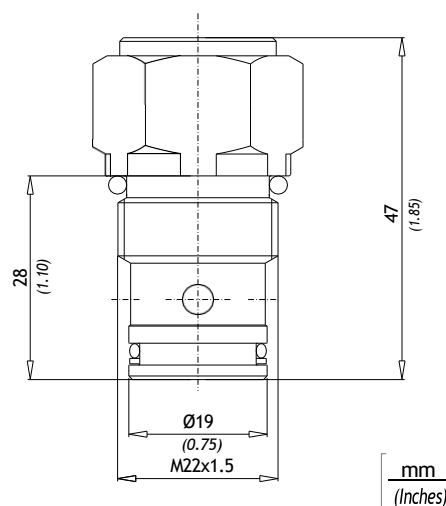


CUR2215

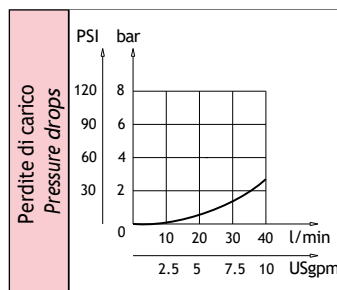
Valvole unidirezionali
Check valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F



Caratteristiche tecniche Technical performances					
Codice Code	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight kg / lb	Coppia di serraggio Tightening torque Nm / lbf ft	Cavità Cavity
CUR2215	40 (10)	350 (5000)	0,11 (0.25)	45-50 (33-37)	C2215/2



Codice ordinazione Ordering code			
CUR2215 - X - Y			
X	Tenuta - Sealing	Y	Molla / Spring
SF	Tenuta a sfera Ball sealing	1	1 bar (15 PSI)
SP	Tenuta a otturatore Poppet sealing		

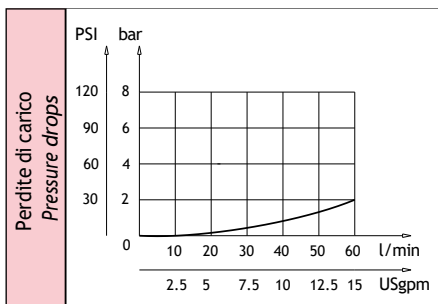
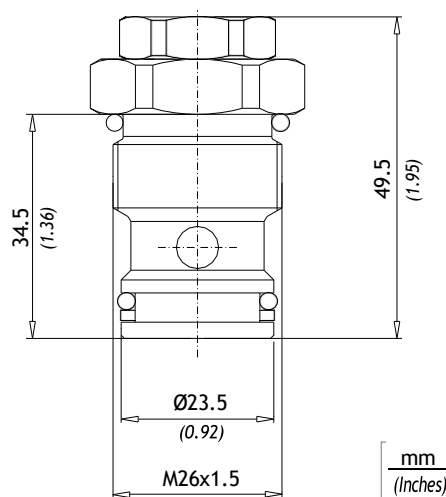


CUR2615

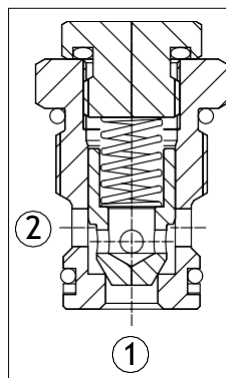
Valvole unidirezionali
Check valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F



Caratteristiche tecniche Technical performances					
Codice Code	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight kg / lb	Coppia di serraggio Tightening torque Nm / lbf ft	Cavità Cavity
CUR2615	60 (15)	350 (5000)	0,17 (0.38)	55-60 (41-45)	C2615/2

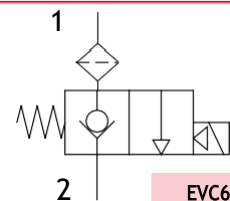


Codice ordinazione Ordering code			
CUR2615 - X - Y			
X	Tenuta - Sealing	Y	Molla / Spring
SP	Tenuta a otturatore Poppet sealing	1	1 bar (15 PSI)

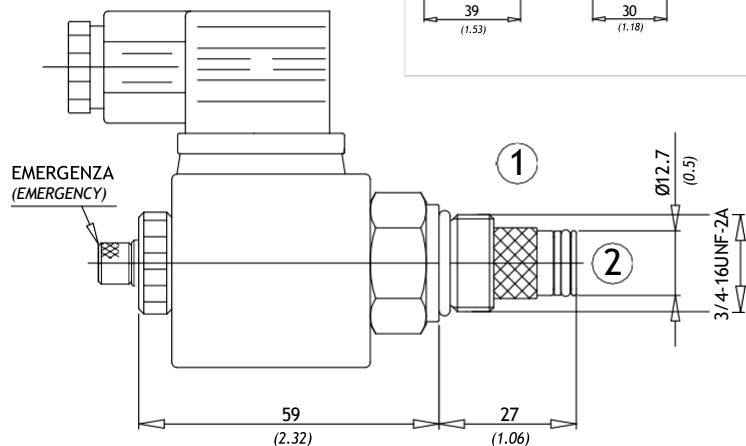
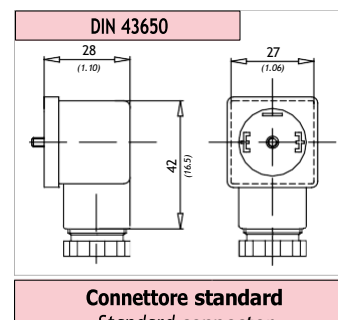
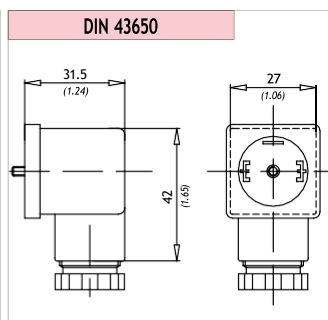
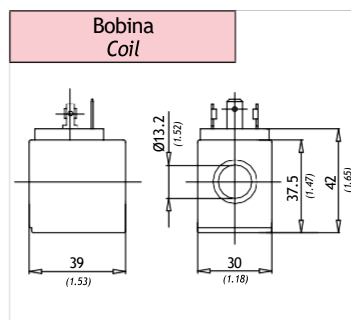
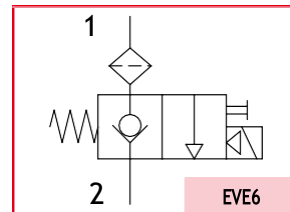
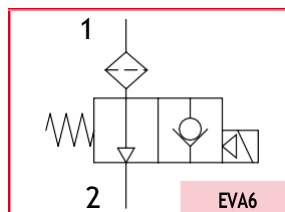


EV6

Valvole a comando elettrico 2 vie
2 ways cartridge electric valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F

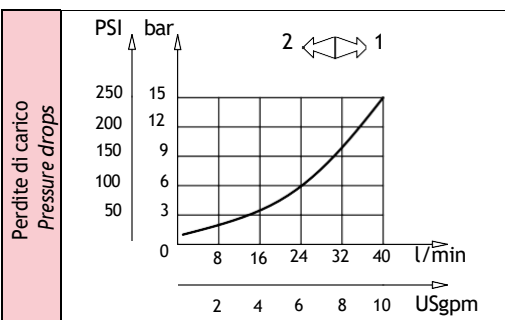


Caratteristiche tecniche Technical performances	
Pressione max Max pressure	210 bar 3000 PSI
Portata max Max flow	22 l/min 6 USgpm
Protezione Protection	IP65
Tolleranza di alimentazione Feeding tolerance	+/- 10%
Inserimento Energizing time	ED 100%
Classe di isolamento Insulation class	H
Potenza assorbita in C.A. Absorbed power in A.C.	20 VA
Potenza assorbita allo spunto Absorbed power at pickup	28 VA
Potenza assorbita in C.C. Absorbed power in C.C.	18 W
Peso approssimativo Approx weight	0,28 Kg 0.61 lb
Coppia di serraggio Tightening torque	25-30 Nm 19-22 lbf ft
Cavità Cavity	SAE 8/2

Connettore con raddrizzatore Connector with rectifier	
Portata nominale contatti Nominal current	10 A
Portata max contatti Max operating current	16 A
Resistenza contatti Contact resistance	< 4mOhm
Sezione max conduttori Max conductors cross-section	1,5 mm ²
Portacontatti, dado Contact holder	PA
Tipo di serraggio Gland size options	Pg09
Diametro cavo Cable diameter	6-8 mm
Grado di protezione Protection class	IP 65 EN 60529
Classe di isolamento Insulation class	VDE 0110-1/89
Guarnizione Sealing material	NBR
Temperatura di esercizio Operating temperature	-40C +90C

Connettore standard Standard connector	
Tensione nominale Nominal voltage	AC - Max 250 V DC - Max 300 V
Portata nominale contatti Nominal current	10 A
Portata max contatti Max operating current	16 A
Resistenza contatti Contact resistance	< 4mOhm
Sezione max conduttori Max conductors cross-section	1,5 mm ²
Portacontatti, dado Contact holder	PA (+G)
Tipo di serraggio Gland size options	Pg09
Diametro cavo Cable diameter	6-8 mm
Grado di protezione Protection class	IP 65 EN 60529
Classe di isolamento Insulation class	VDE 0110-1/89
Guarnizione Sealing material	NBR
Temperatura di esercizio Operating temperature	-40C +90C

mm
(Inches)



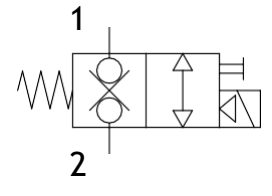
Le prove sono state eseguite con solenoidi a temperatura di regime, sottoalimentati del 10% rispetto al valore nominale.
Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.

Codice ordinazione Ordering code			
EV - X - Y			
X	Schema - Scheme	Y	Voltaggio / Voltage
C6	Normalmente chiusa Normally closed	012DC	12 V (DC)
		024DC	24 V (DC)
		02450	24 V (50 Hz.)
E6	Normalmente chiusa + emerg. Normally closed + emerg.	11050	110 V (50 Hz.)
		22050	220 V (50 Hz.)
		024RAC	24 V (RAC)
A6	Normalmente aperta Normally open	110RAC	110 V (RAC)
		220RAC	220 V (RAC)

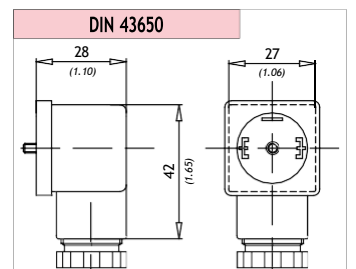
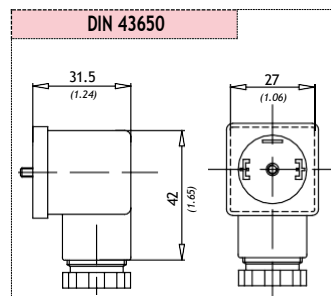
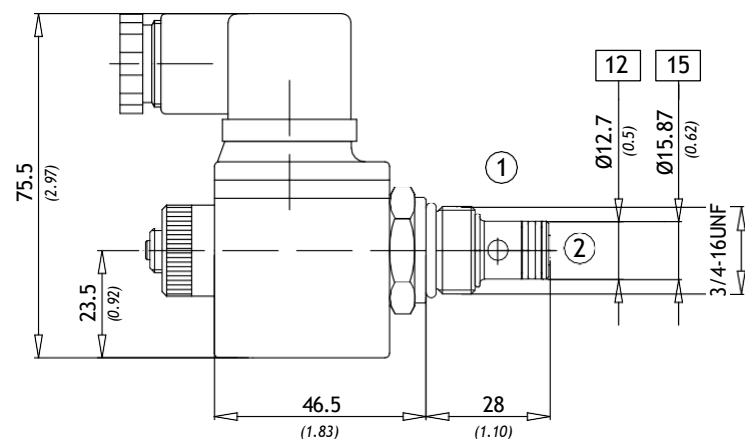
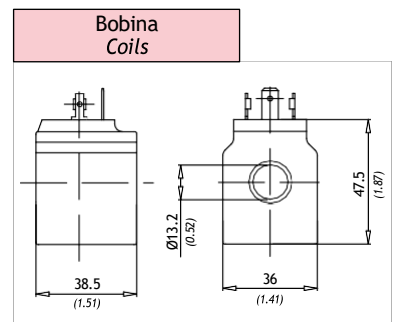


EDT

Valvole a comando elettrico 2 vie
2 ways cartridge electric valves



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F

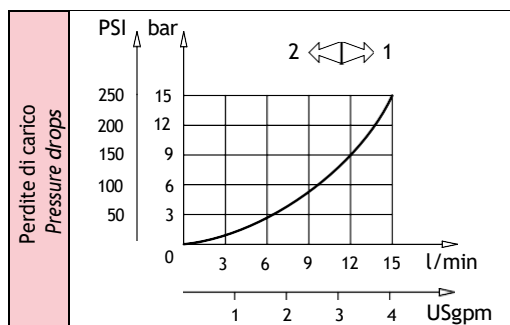


Connettore con raddrizzatore Connector with rectifier	
Portata nominale contatti Nominal current	10 A
Portata max contatti Max operating current	16 A
Resistenza contatti Contact resistance	≤ 4m Ohm
Sezione max conduttori Max conductors cross-section	1,5 mm ²
Portacontatti, dado Contact holder	PA
Tipo di serraggio Gland size options	Pg09
Diametro cavo Cable diameter	6-8 mm
Grado di protezione Protection class	IP 65 EN 60529
Classe di isolamento Insulation class	VDE 0110-1/89
Guarnizione Sealing material	NBR
Temperatura di esercizio Operating temperature	-40C +90C

Connettore standard Standard connector	
Tensione nominale Nominal voltage	AC - Max 250 V DC - Max 300 V
Portata nominale contatti Nominal current	10 A
Portata max contatti Max operating current	16 A
Resistenza contatti Contact resistance	≤ 4m Ohm
Sezione max conduttori Max conductors cross-section	1,5 mm ²
Protezione Housing	PA (+G)
Tipo di serraggio Gland size options	Pg09
Diametro cavo Cable diameter	6-8 mm
Grado di protezione Protection class	IP 65 EN 60529
Classe di isolamento Insulation class	VDE 0110-1/89
Guarnizione Sealing material	NBR
Temperatura di esercizio Operating temperature	-40C +90C

Caratteristiche tecniche Technical performances	
Pressione max Max pressure	210 bar 3000 PSI
Portata max Max flow	22 l/min 6 Usqpm
Protezione Protection	IP65
Tolleranza di alimentazione Feeding tolerance	+ / - 10%
Inserimento Energizing time	ED 100%
Classe di isolamento Insulation class	H
Potenza assorbita in C.A. Absorbed power in A.C.	20 VA
Potenza assorbita allo spunto Absorbed power at pickup	28 VA
Potenza assorbita in C.C. Absorbed power in C.C.	18 W
Peso approssimativo Approx weight	0,28 Kg 0.61 lb
Coppia di serraggio Tightening torque	25-30 Nm 19-22 lbf ft
Cavità Cavity	SAE 8/2

mm
(Inches)



Le prove sono state eseguite con solenoidi a temperatura di regime, sottoalimentati del 10% rispetto al valore nominale.
Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.

Codice ordinazione Ordering code			
EDT6 - X - Y - K - Z			
X	Schema - Scheme	Y	Voltaggio / Voltage
EDT6	Normalmente chiusa + emerg. Normally closed + emerg.	012DC	12 V (DC)
		024DC	24 V (DC)
		024RAC	24 V (RAC)
Z	Optional	110RAC	110 V (RAC)
		220RAC	220 V (RAC)
D	Dado di chiusura	K	Dimensione / Size
		12	Ø 12,7
		15	Ø 15,87



Basi e blocchi
Hydraulic manifolds



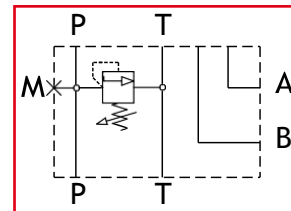
Euro
SERVICES

HYDRAULIC VALVES AND COMPONENTS



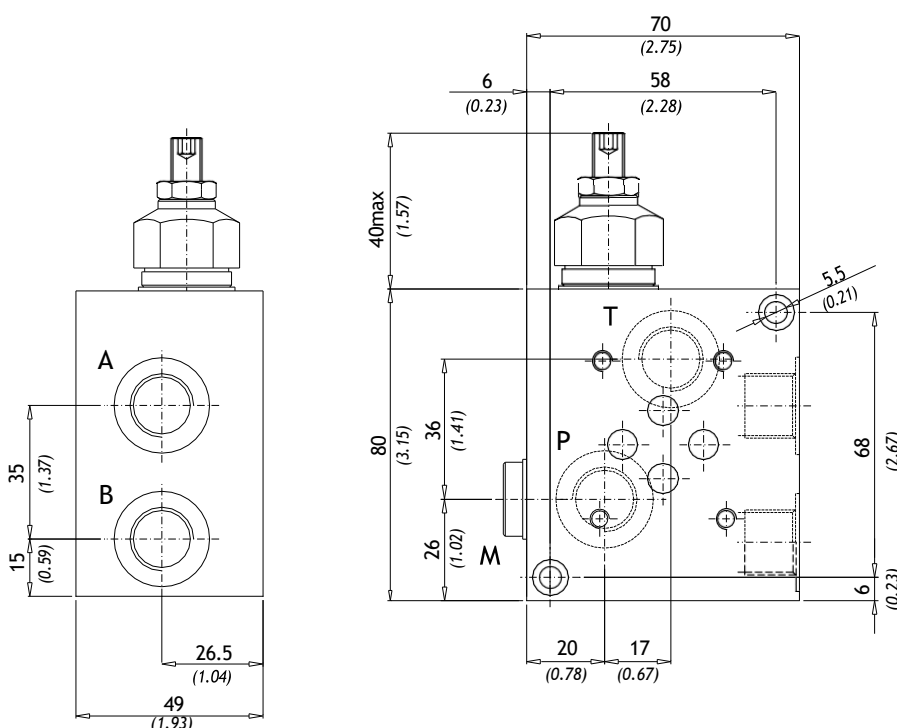
BS3

Basi singole cetop3
Cetop3 single manifolds



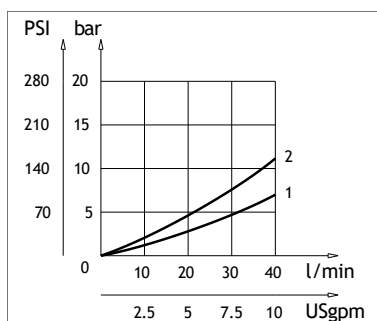
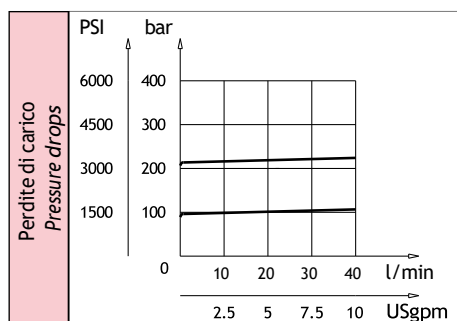
Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



Attacchi / Ports	
P-T-A-B	BSPP 3/8
M	BSPP 1/4

mm
(Inches)



Codice ordinazione Ordering code			
BS3 - X - Y			
X	Regolazione / Setting	Y	Molla - Spring
C		1	100 bar (1450 PSI) max
		2	210 bar (3000 PSI) max
V			

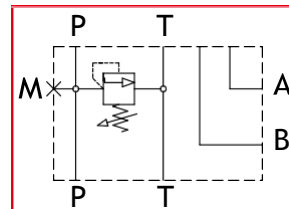
Caratteristiche tecniche Technical performances

Codice Code	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Tipo di valvola Type of valve
BS3	40 (10)	210 (3000)	0,8 (1.76)	VMD40

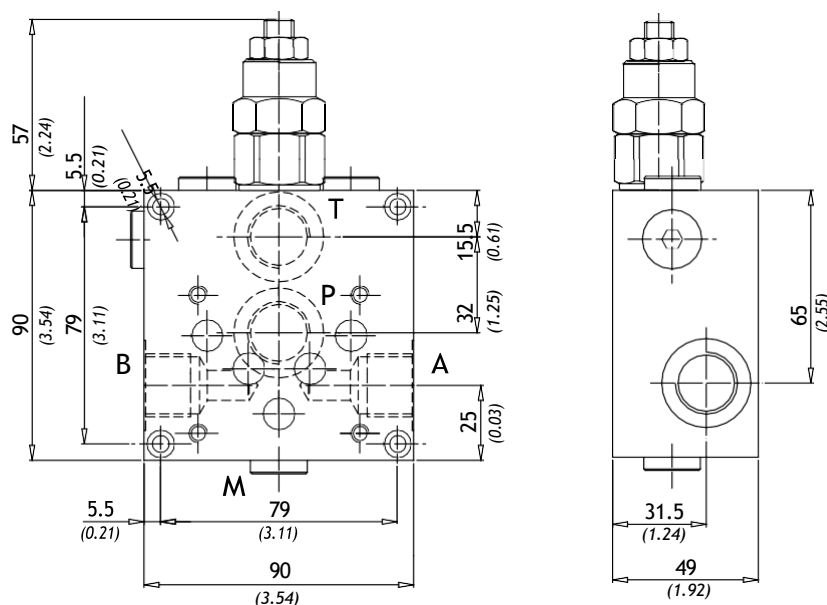


BS5

Basi singole cetop5
Cetop5 single manifolds

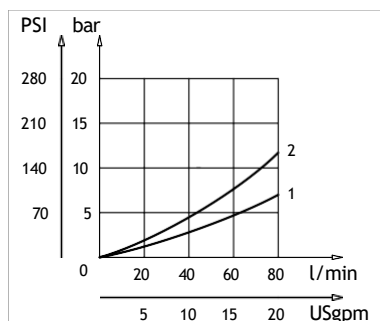
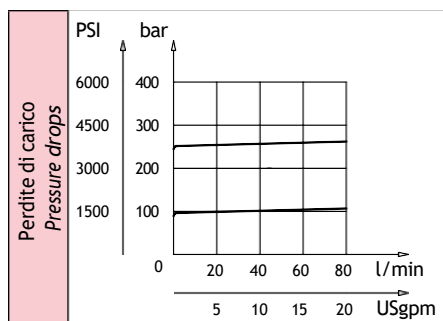


Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



Attacchi / Ports	
P-T-A-B	BSPP 1/2
M	BSPP 1/4

mm
(Inches)



Caratteristiche tecniche Technical performances				
Codice Code	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Tipo di valvola Type of valve
BS5	80 (20)	210 (3000)	1,25 (2.75)	VMD90

Codice ordinazione Ordering code			
BS5 - X - Y			
X	Regolazione / Setting	Y	Molla - Spring
C		1	100 bar (1450 PSI) max
		2	210 bar (3000 PSI) max
V			

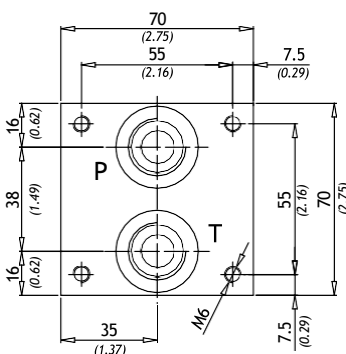
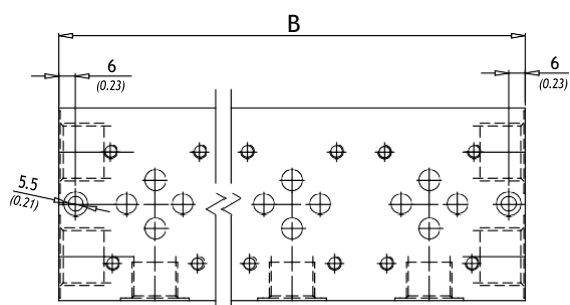
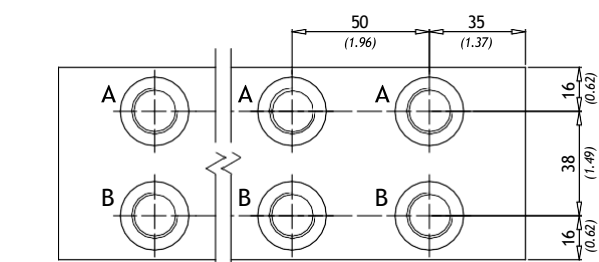
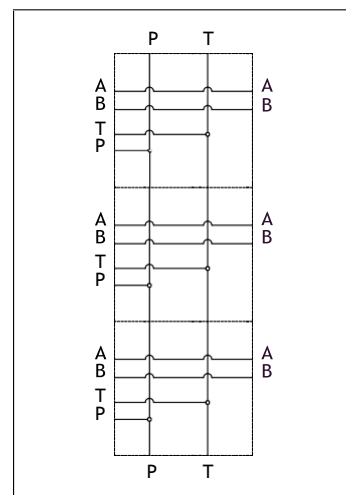


BM

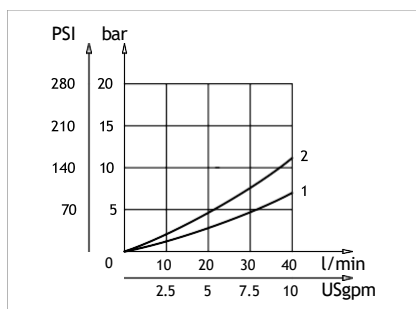
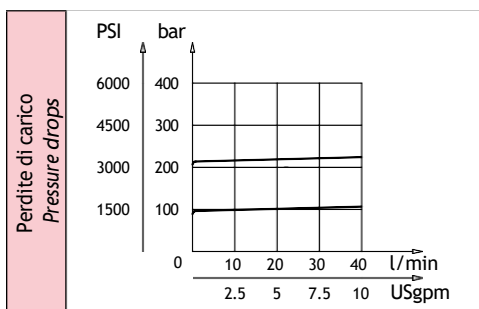
Basi multiple in parallelo - utilizzati laterali senza valvola di massima pressione
Parallel multiple manifolds - lateral ports without relief valve



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F



Attacchi / Ports	
P-T	BSPP 1/2
M	BSPP 1/4
A-B	BSPP 3/8



mm
(Inches)

Caratteristiche tecniche Technical performances					
Codice Code	N. di stazioni N. of stations	B	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb
BM2	2	120 (4.72)	40 (10)	210 (3000)	1,5 (3.30)
BM3	3	170 (6.69)			2,1 (4.62)
BM4	4	220 (8.66)			2,7 (5.95)
BM5	5	270 (10.63)			3,3 (7.27)
BM6	6	320 (12.60)			3,9 (8.59)
					VMD90

Codice ordinazione Ordering code	
BM - X - A	
X	Stazioni / Stations
2	Numero di stazioni Number of stations
3	
4	
5	
6	

A: Alluminio / Aluminium

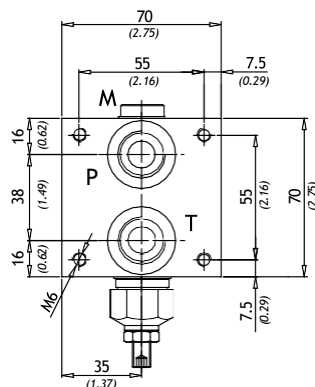
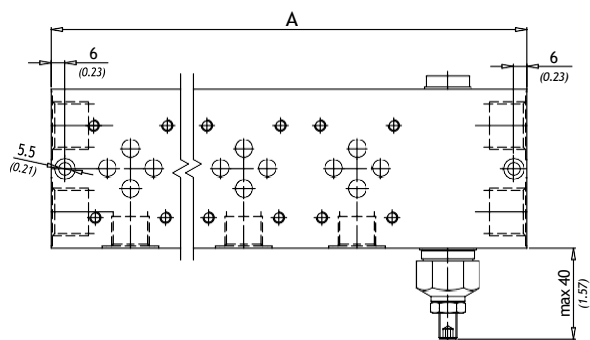
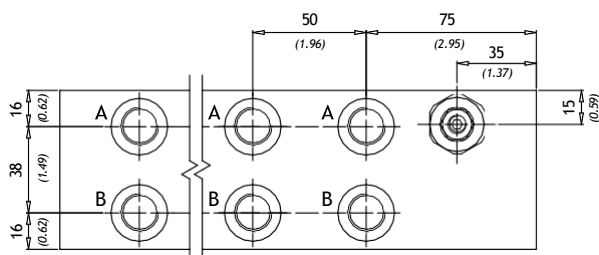
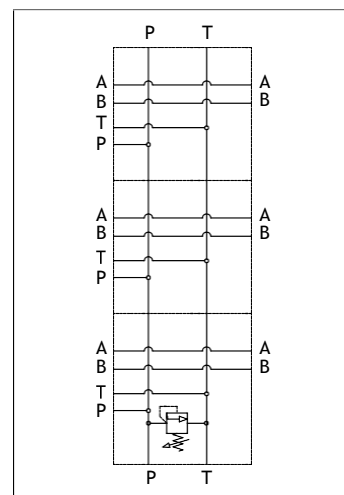


BM

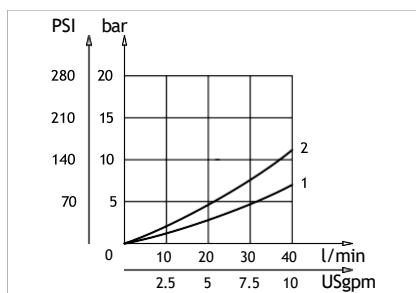
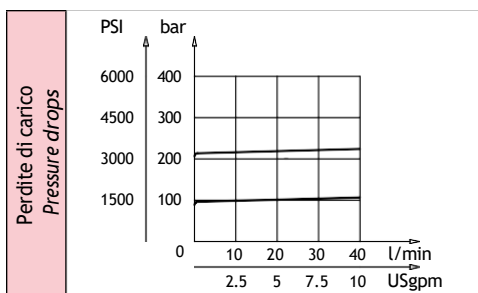
Basi multiple in parallelo - utilizzati laterali con valvola di massima pressione
Parallel multiple manifolds - lateral ports with relief valve



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F



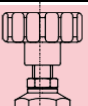
Attacchi / Ports	
P-T	BSPP 1/2
M	BSPP 1/4
A-B	BSPP 3/8



mm
(Inches)

Caratteristiche tecniche Technical performances						
Codice Code	N. di stazioni N. of stations	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Tipo di valvola Type of valve
BM2	2	160 (6.30)	40 (10)	210 (3000)	2,2 (4.8)	VMD90
BM3	3	210 (8.27)			2,8 (6.1)	
BM4	4	260 (10.24)			3,4 (7.49)	
BM5	5	310 (12.20)			4 (8.81)	
BM6	6	360 (14.17)			4,6 (10.14)	

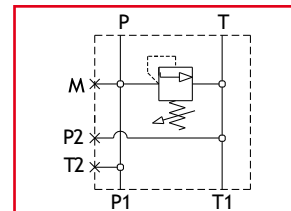
A: Alluminio / Aluminium

Codice ordinazione Ordering code					
BM - X - A - Y - K - Z					
X	Stazioni / Stations	Y	Regolazione / Setting	Z	Optional
2	Numero di stazioni Number of stations	C		S	
3					
4					
5		V		K	Molla - Spring
6	1			100 bar (1450 PSI) max	
				2	210 bar (3500 PSI) max

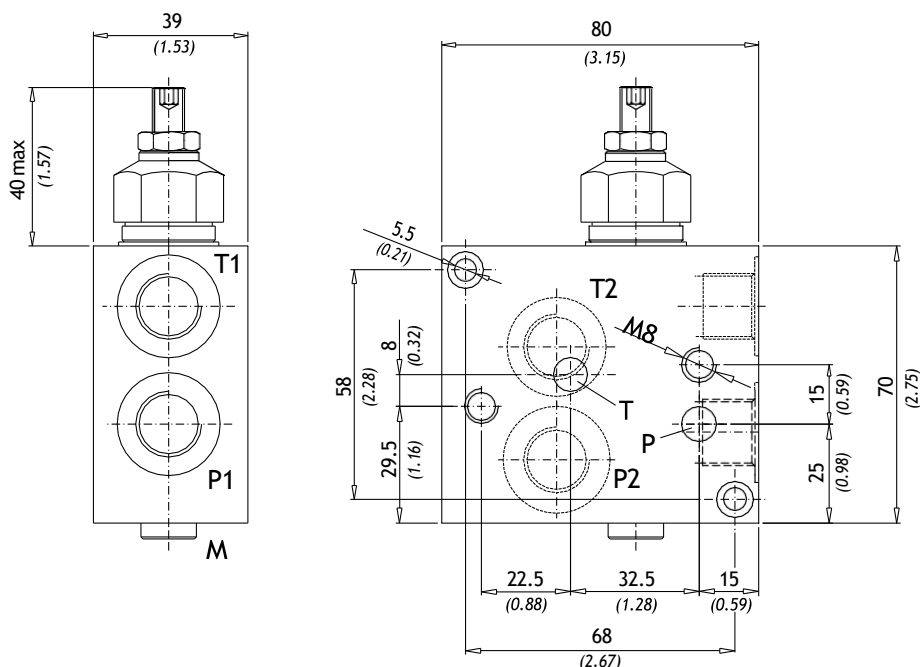


BC3

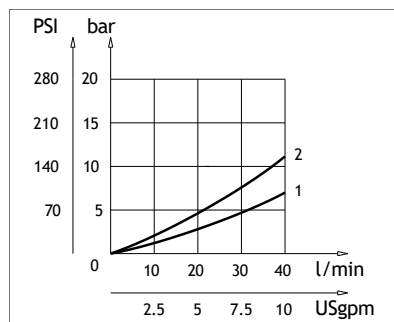
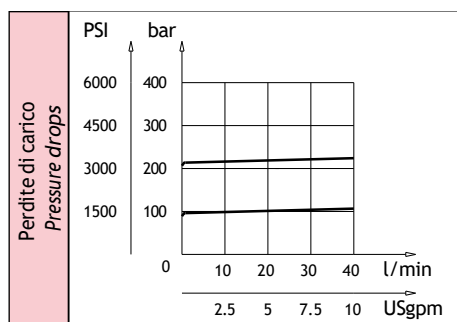
Base componibile cetop3
Cetop3 bankable manifolds



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



Attacchi / Ports	
P-T-A-B	BSPP 3/8
M	BSPP 1/4



Caratteristiche tecniche Technical performances				
Codice Code	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Tipo di valvola Type of valve
BC3	40 (10)	210 (3000)	0,8 (1.76)	VMD40

Codice ordinazione Ordering code			
BC3 - X - Y			
X	Regolazione / Setting	Y	Molla - Spring
C		1	100 bar (1450 PSI) max
		2	250 bar (3500 PSI) max
V			



Pompe e deviatori
Hand pumps flow diverters



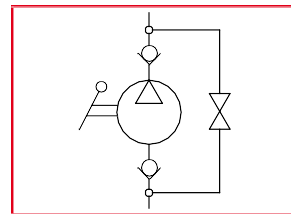
Euro
SERVICES

HYDRAULIC VALVES AND COMPONENTS



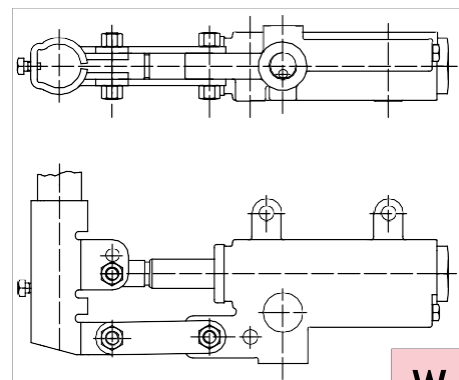
PM20

Pompa a mano semplice effetto
Single acting hand pump

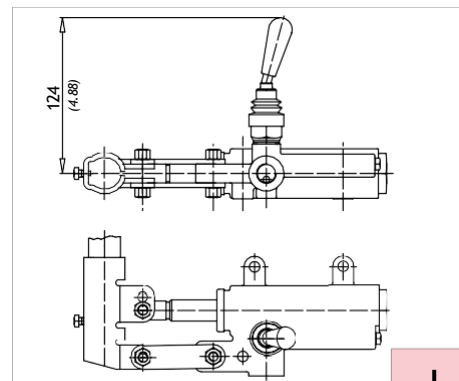
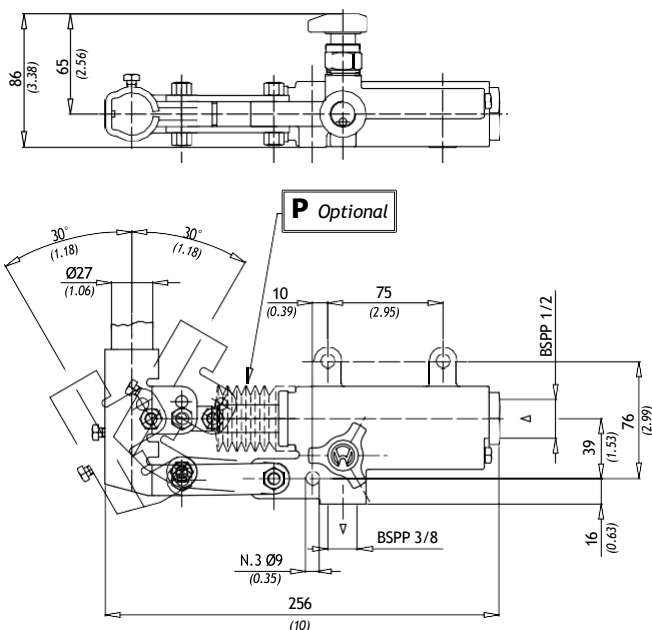


La pompa viene fornita con leva di azionamento L=600 mm
The pump is supplied with acting lever 23 in. long

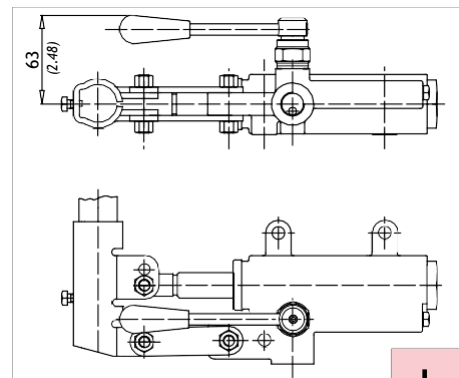
Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



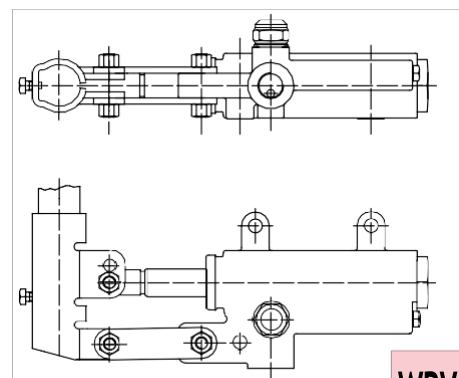
W



J



L



WRV

Sforzo esercitato all'estremità della leva
Effort operating on the end of the lever



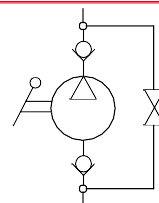
Codice ordinazione Ordering code	
PM20 - X	
X	Optional
P	Soffietto With rubber protection
WRV	Senza rubinetto di scarico con valvola di massima Without unloading valve with relief valve
W	Senza rubinetto di scarico Without unloading valve
J	Con joystick With joystick
L	Con leva di scarico With unloading lever

Caratteristiche tecniche Technical performances			
Codice Code	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Cilindrata Displacement cm ³ / in ³
PM20	350 (5000)	3,4 (7.5)	20 (1.22)



PM50

Pompa a mano semplice effetto
Single acting hand pump



La pompa viene fornita con leva di azionamento L=600 mm
The pump is supplied with acting lever 23 in. long

Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F

Caratteristiche tecniche Technical performances

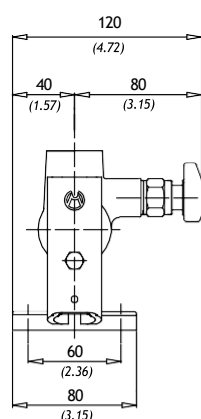
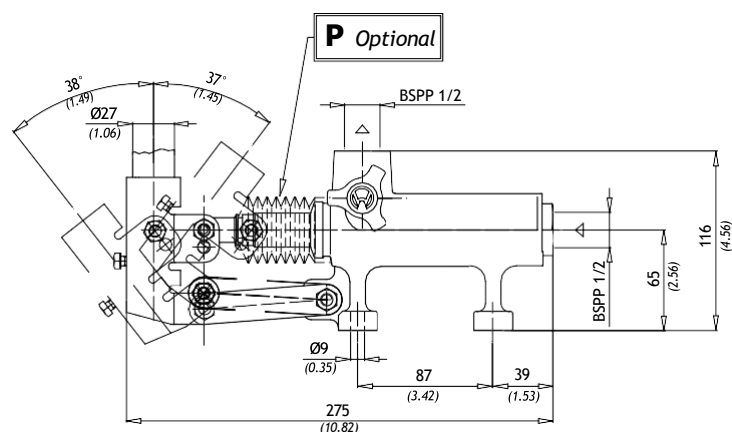
Codice Code	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Cilindrata Displacement cm ³ / in ³
PM50	280 (4000)	3,6 (7.9)	50 (3.05)

mm
(Inches)

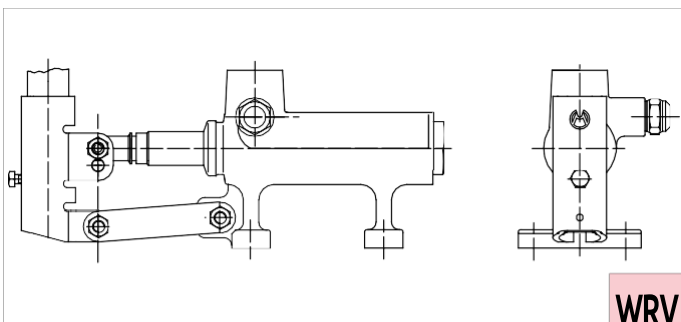
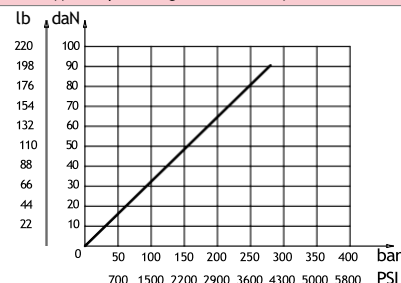
Codice ordinazione Ordering code

PM50 - X

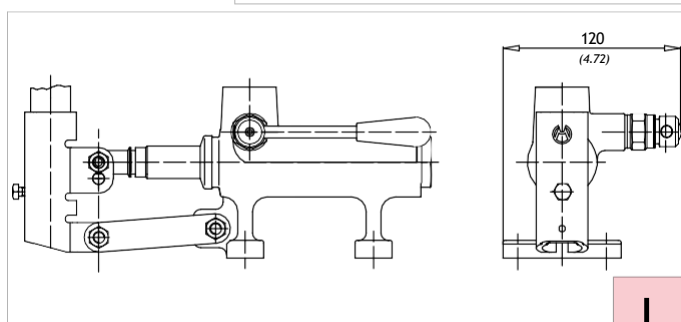
X	Optional
P	Soffietto With rubber protection
WRV	Senza rubinetto di scarico con valvola di massima with relief valve
W	Senza rubinetto di scarico Without unloading valve
J	Con joistick With joistick
L	Con leva di scarico With unloading lever



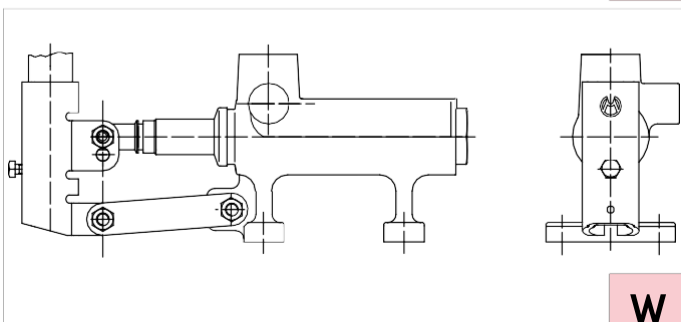
Sforzo esercitato all'estremità della leva
Effort operating on the end of the lever



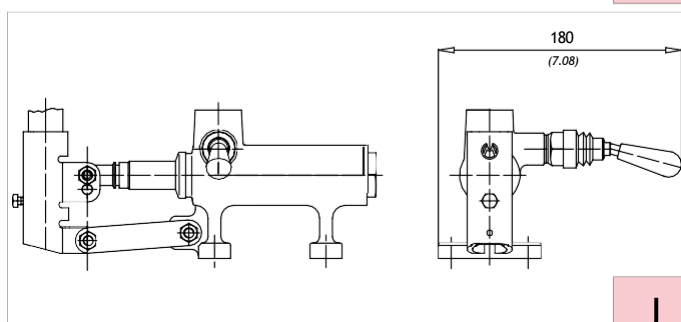
WRV



L



W

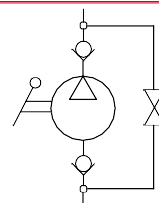


J



PM70

Pompa a mano semplice effetto
Single acting hand pump



La pompa viene fornita con leva di azionamento L=600 mm
The pump is supplied with acting lever 23 in. long

Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20 °C +80 °C -4 °F + 176 °F
Temperatura ambiente Ambient temperature	-20 °C +50 °C -4 °F +122 °F

Caratteristiche tecniche Technical performances

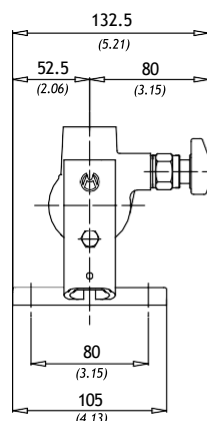
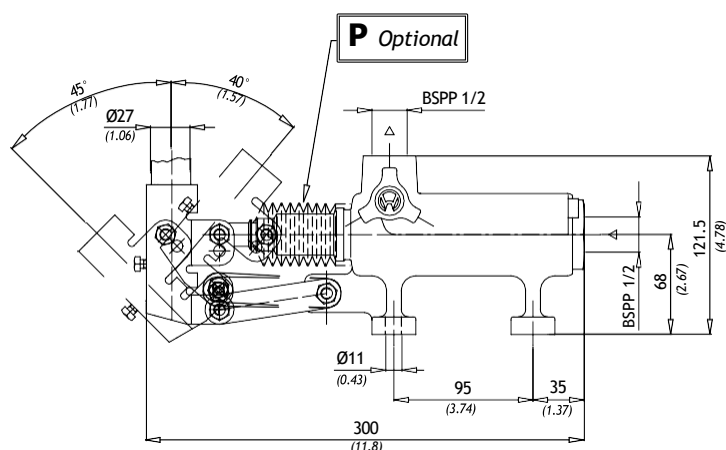
Codice Code	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight kg / lb	Cilindrata Displacement cm ³ / in ³
PM50	230 (3300)	6 (13.2)	70 (4.27)

mm
(Inches)

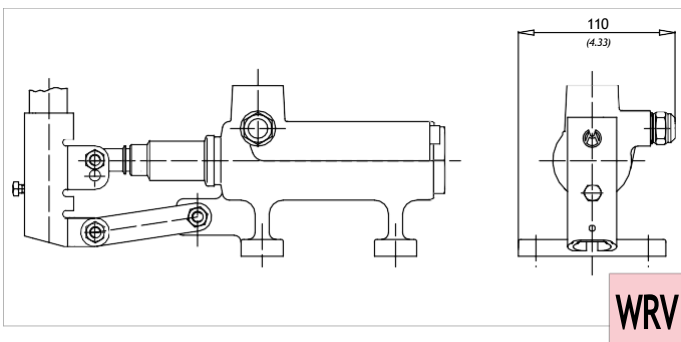
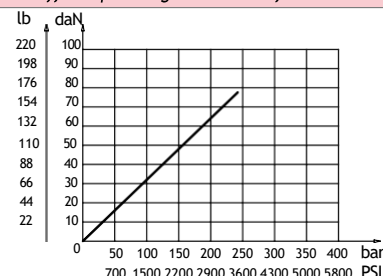
Codice ordinazione Ordering code

PM70 - X

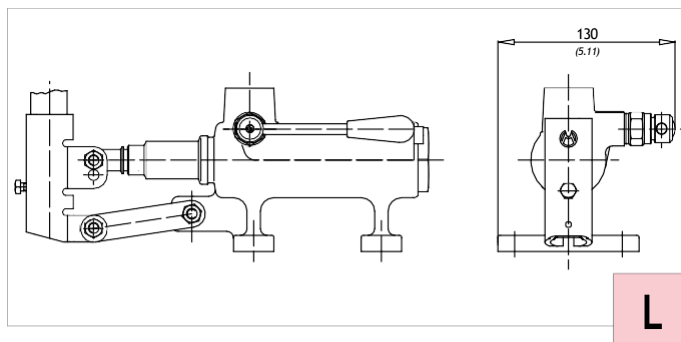
X	Optional
P	Soffietto With rubber protection
WRV	Senza rubinetto di scarico con valvola di massima with relief valve
W	Senza rubinetto di scarico Without unloading valve
J	Con joistick With joistick
L	Con leva di scarico With unloading lever



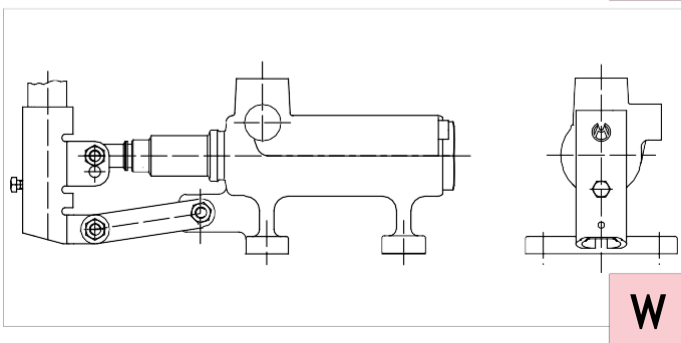
Sforzo esercitato all'estremità della leva
Effort operating on the end of the lever



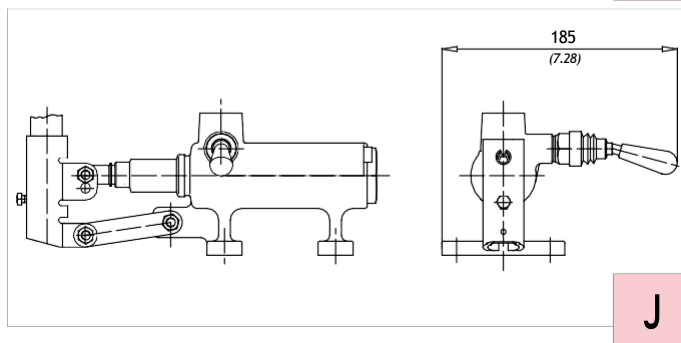
WRV



L



W

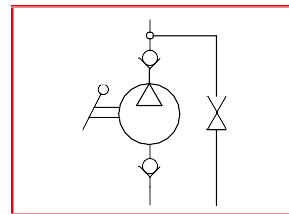


J



PMS

Pompa a mano semplice effetto
Single acting hand pump

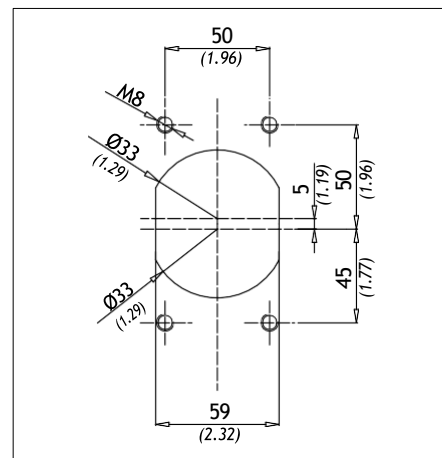


La pompa viene fornita con guarnizione sagomata + viti di fissaggio + leva di azionamento L=600 mm

The pump is supplied with shaped seal, fixing screws and acting lever 23 in. long

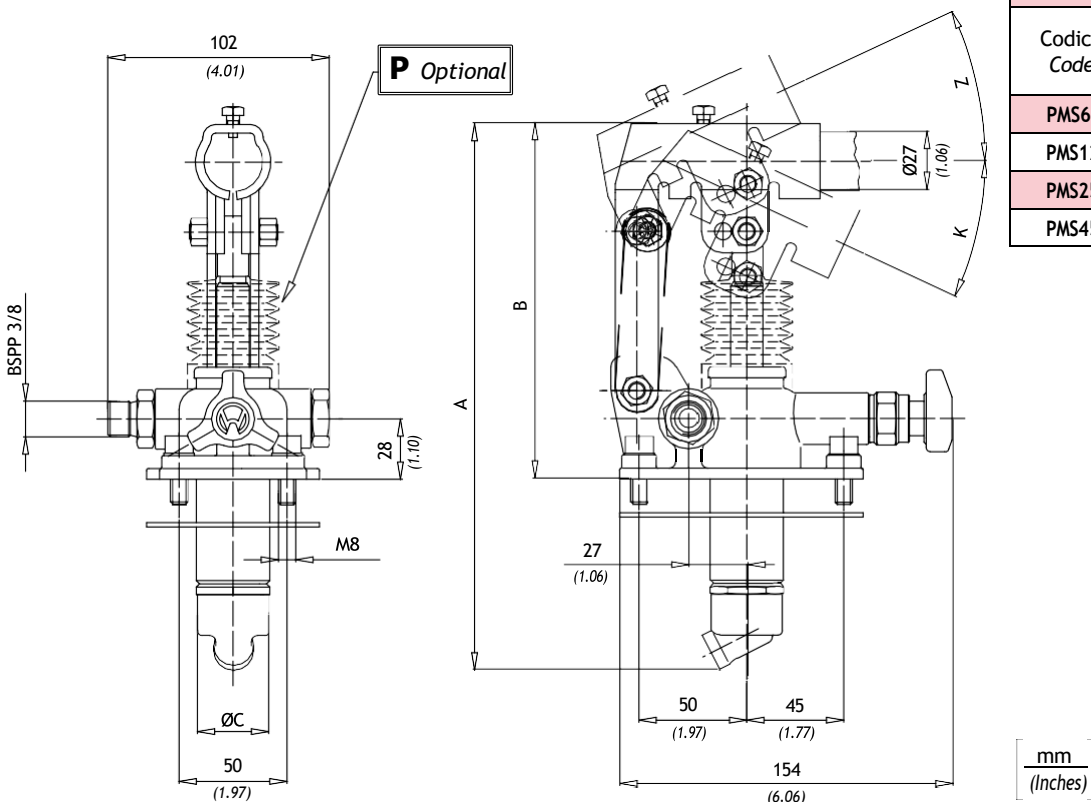
Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F

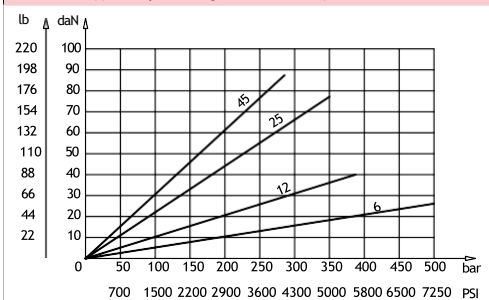


Caratteristiche tecniche Technical performances

Codice Code	Pressione Max Max pressure bar / PSI	Peso approssimativo Approx weight Kg / lb
PMS6	500 (7250)	3,9 (8.6)
PMS12	380 (5500)	
PMS25	350 (5000)	
PMS45	280 (4000)	



Sforzo esercitato all'estremità della leva
Effort operating on the end of the lever



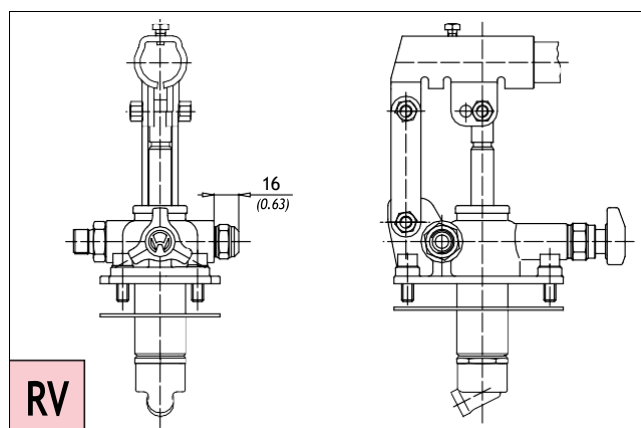
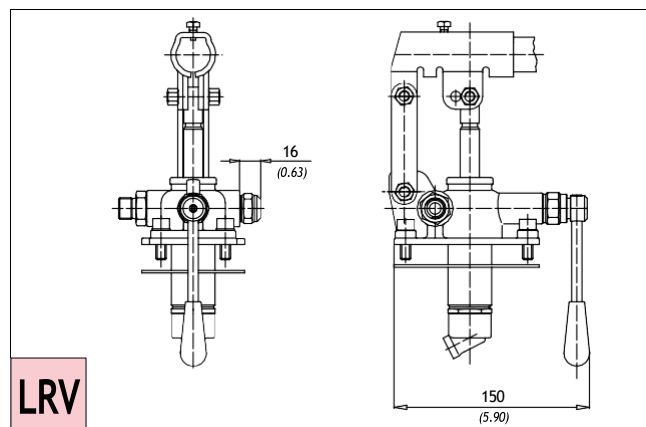
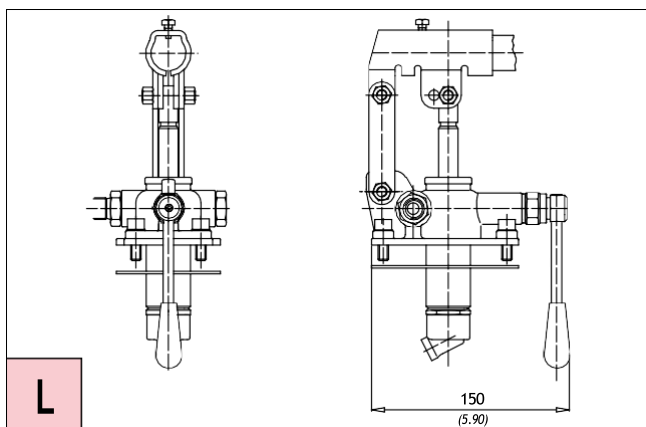
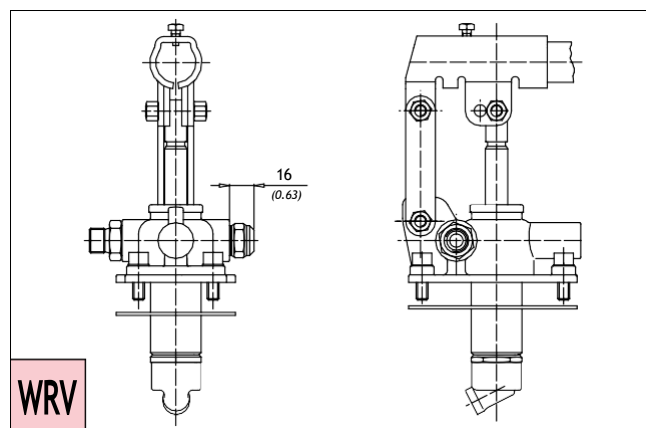
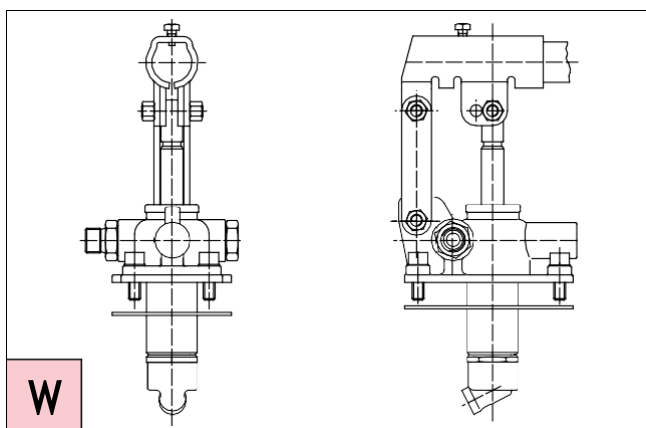
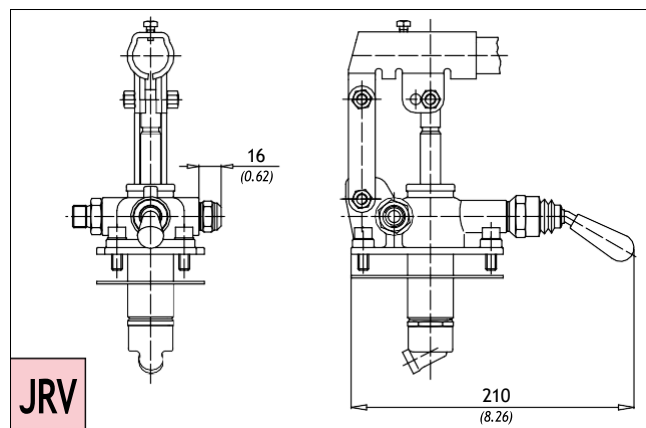
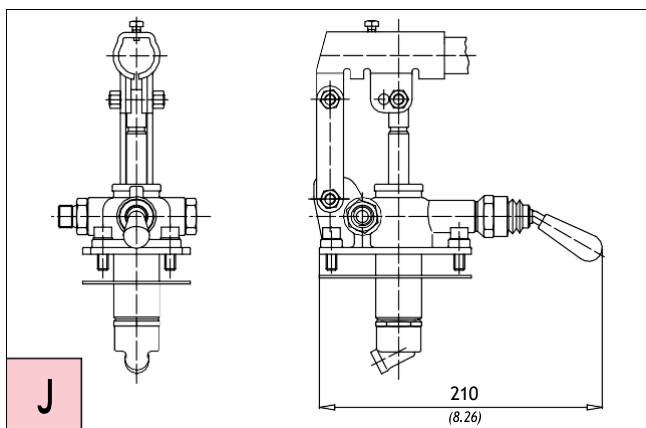
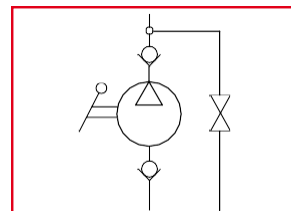
Y	Cilindrata / Displacement	K	Z	A	B	C
6	6 cm3 (0.36 in3)	31°	26°	253 (9.96)	166 (6.53)	34 (1.33)
12	12 cm3 (0.73 in3)	31°	35°			
25	25 cm3 (1.52 in3)	30°	25°	273 (10.74)	172 (6.77)	
45	45 cm3 (2.75 in3)	33°	35°	283 (11.14)		

Codice ordinazione Ordering code	
PMS - Y - X	
X	Optional
P	Soffietto With rubber protection
WRV	Senza rubinetto di scarico con valvola di massima Without unloading valve with relief valve
W	Senza rubinetto di scarico Without unloading valve
J	Con joystick With joystick
L	Con leva di scarico With unloading lever
RV	Con valvola di massima press. With relief valve
JRV	Con joystick e valvola di massima pressione With joystick and relief valve
LRV	Con leva di scarico e valvola di massima pressione With unloading lever and relief valve



PMS

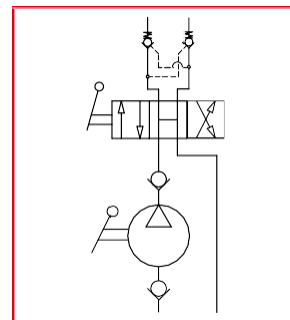
Pompa a mano semplice effetto
Single acting hand pump





PMT

Pompa a mano doppio effetto con valvole di blocco
Double acting hand pump with pilot check valves

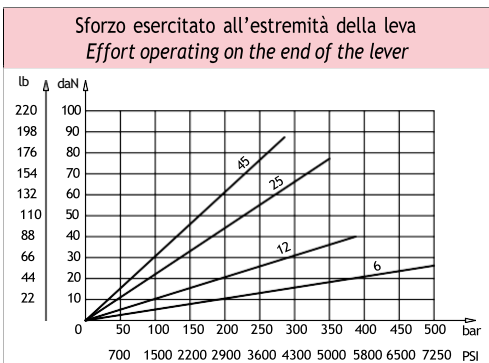
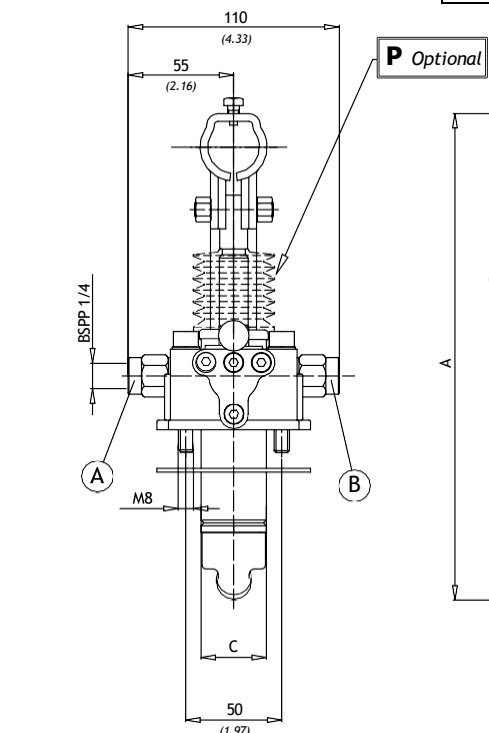
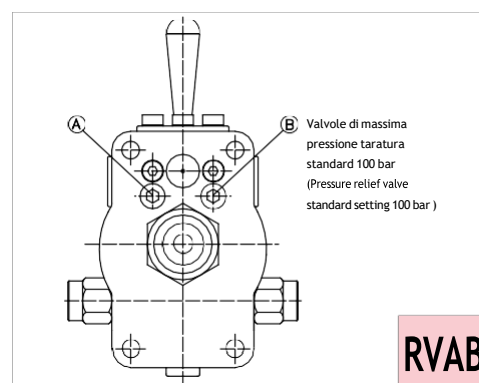
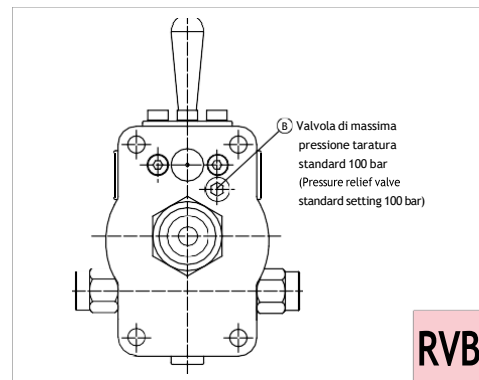
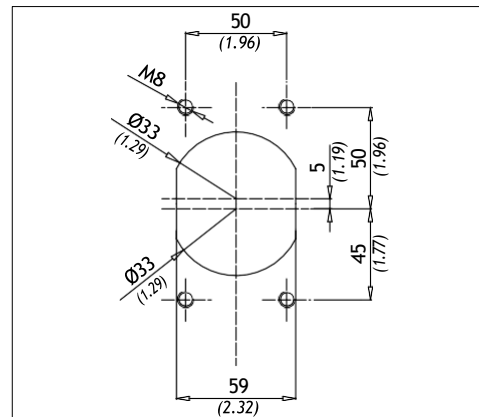


La pompa viene fornita con guarnizione sagomata + viti di fissaggio + leva di azionamento L=600 mm

The pump is supplied with shaped seal, fixing screws and acting lever 23 in. long

Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F

Caratteristiche tecniche Technical performances		
Codice Code	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb
PMT6	500 (7250)	4,4 (9.7)
PMT12	380 (5500)	
PMT25	350 (5000)	
PMT45	280 (4000)	



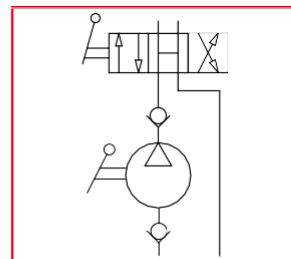
Y	Cilindrata / Displacement	K	Z	A	B	C
6	6 cm ³ (0.36 in ³)	31°	26°	253 (9.96)	166 (6.53)	34 (1.33)
12	12 cm ³ (0.73 in ³)	31°	35°	273 (10.74)	172 (6.77)	40 (1.57)
25	25 cm ³ (1.52 in ³)	30°	25°	283 (11.14)	172 (6.77)	40 (1.57)
45	45 cm ³ (2.75 in ³)	33°	35°	283 (11.14)	172 (6.77)	40 (1.57)

Codice ordinazione Ordering code	
PMT - Y - X	
X	Optional
P	Soffietto With rubber protection
RVAB	Con valvola di massima pressione su A e B With relief valve on A and B
RVB	Con valvola di massima pressione su B With relief valve on B



PMA

Pompa a mano doppio effetto centro aperto
Double acting hand pump open center

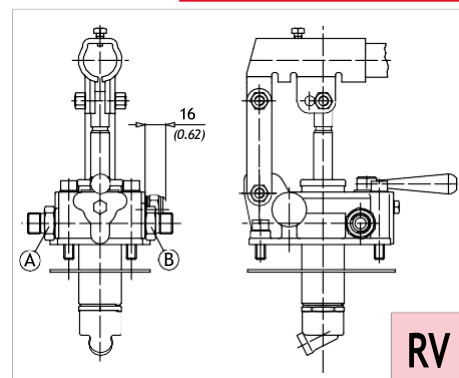


La pompa viene fornita con guarnizione sagomata + viti di fissaggio + leva di azionamento L=600 mm

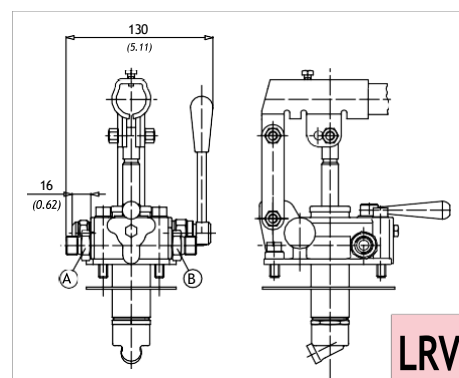
The pump is supplied with shaped seal, fixing screws and acting lever 23 in. long

Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F

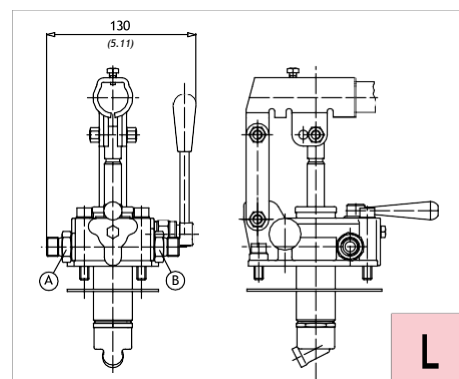
Caratteristiche tecniche Technical performances		
Codice Code	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb
PMA6	500 (7250)	4,4 (9.7)
PMA12	380 (5500)	
PMA25	350(5000)	
PMA45	280 (4000)	



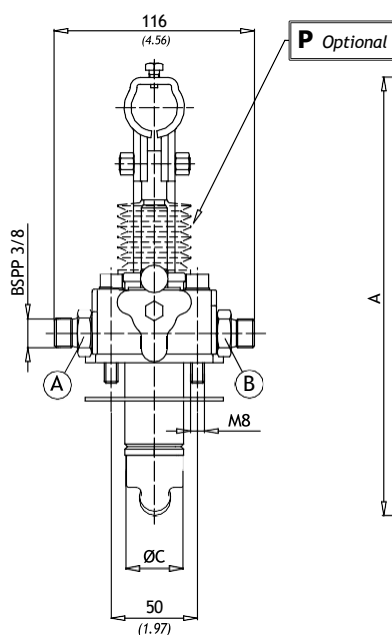
RV



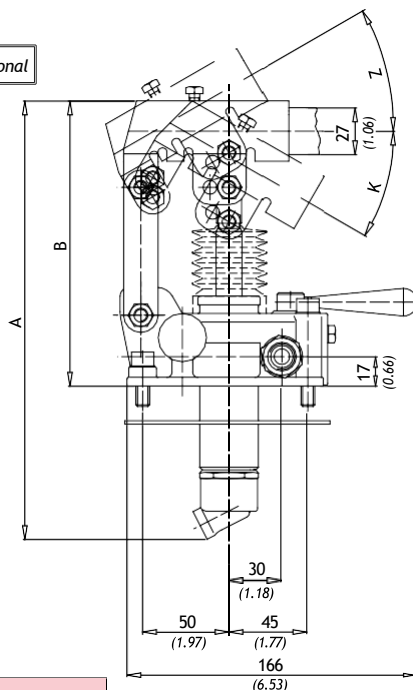
LRV



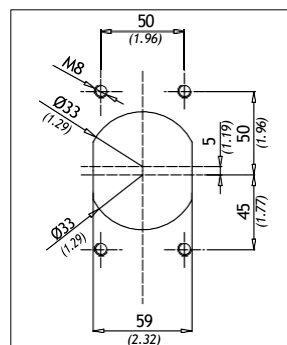
L



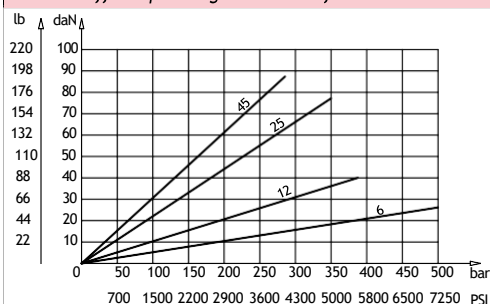
P Optional



mm
(Inches)



Sforzo esercitato all'estremità della leva
Effort operating on the end of the lever



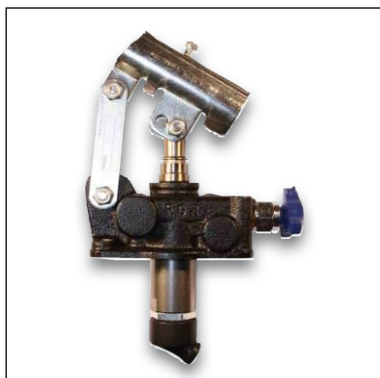
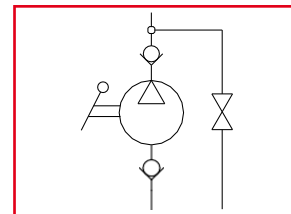
Y	Cilindrata / Displacement	K	Z	A	B	C
6	6 cm ³ (0.36 in ³)	31°	26°	253 (9.96)	166 (6.53)	34 (1.33)
12	12 cm ³ (0.73 in ³)	31°	35°	273 (10.74)	172 (6.77)	40 (1.57)
25	25 cm ³ (1.52 in ³)	30°	25°	283 (11.14)	172 (6.77)	40 (1.57)
45	45 cm ³ (2.75 in ³)	33°	35°	283 (11.14)	172 (6.77)	40 (1.57)

Codice ordinazione Ordering code	
PMA - Y - X	
X	Optional
P	Soffietto With rubber protection
L	Con leva di scarico With unloading lever
RV	Con valvola di massima pressione su A e B With relief valve on A and B
LRV	Con leva di scarico e valvola di massima pressione With unloading lever and relief valve



PME2

Pompa a mano semplice effetto
Single acting hand pump

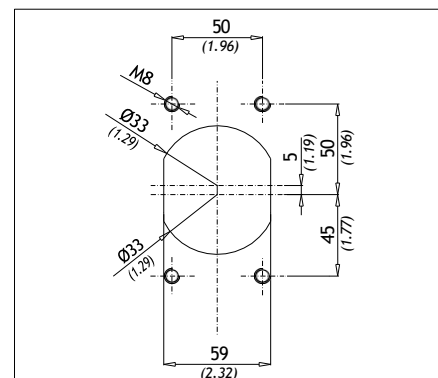


La pompa viene fornita con guarnizione sagomata + viti di fissaggio + leva di azionamento L=500 mm

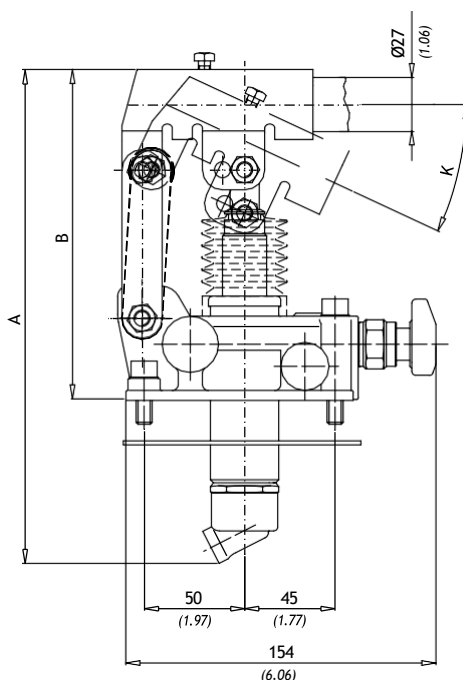
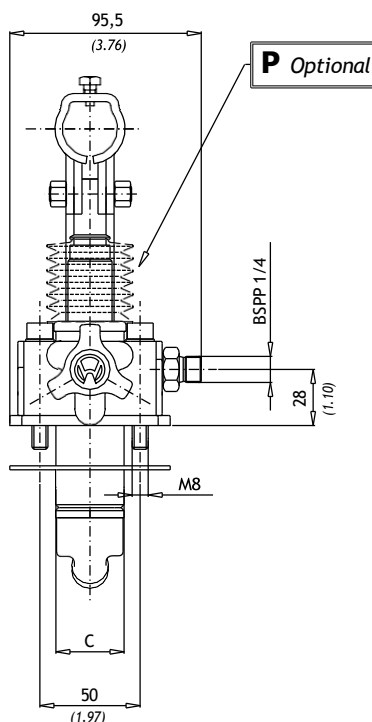
The pump is supplied with shaped seal, fixing screws and acting lever 19 in. long

La mandata la si ottiene solamente azionando la leva verso il basso
Oil flow lever action downwards only

Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F

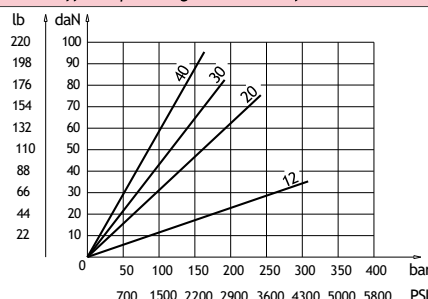


Caratteristiche tecniche Technical performances			
Codice Code	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Cilindrata Displacement cm ³ / in ³
PME220	380 (5500)	4,2 (9.2)	20 (1.22)
PME230	350 (5000)		30 (1.83)
PME240	280 (4000)		40 (2.44)



mm
(Inches)

Sforzo esercitato all'estremità della leva
Effort operating on the end of the lever



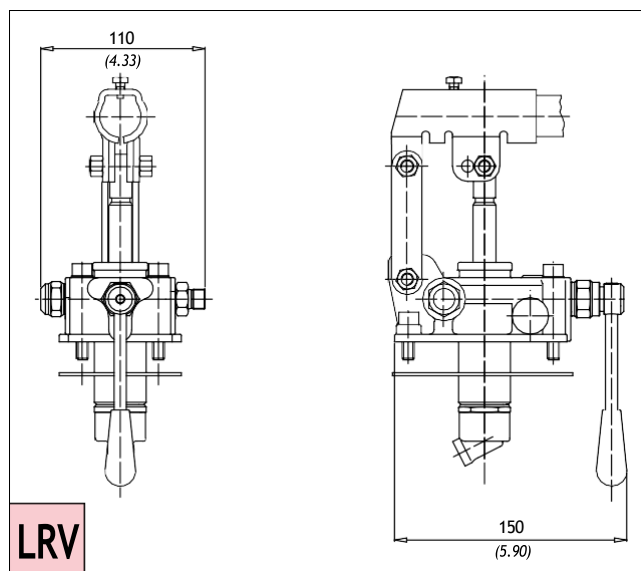
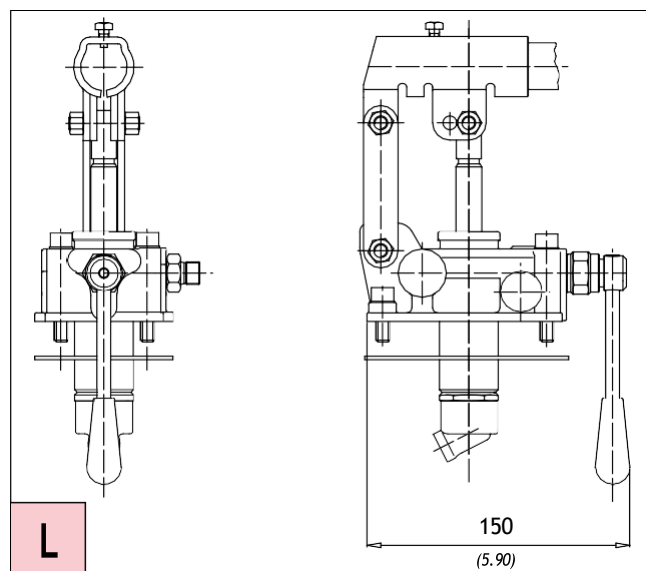
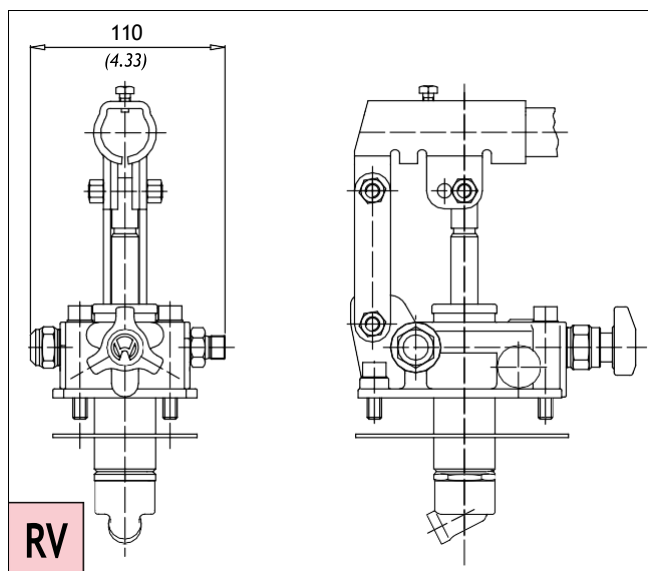
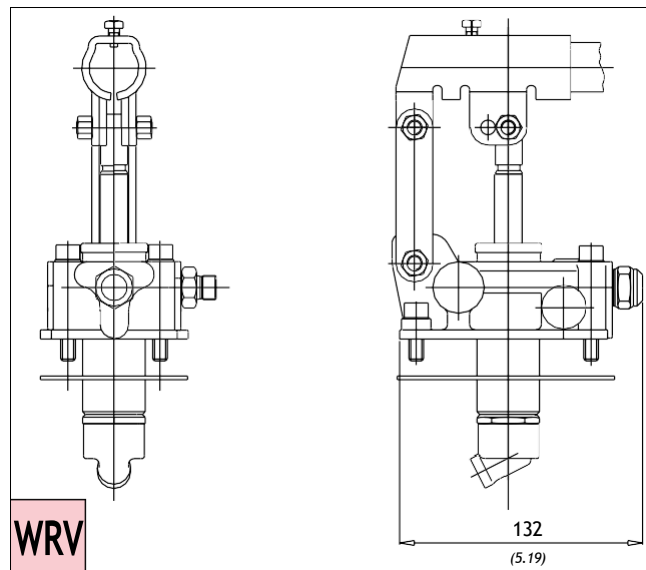
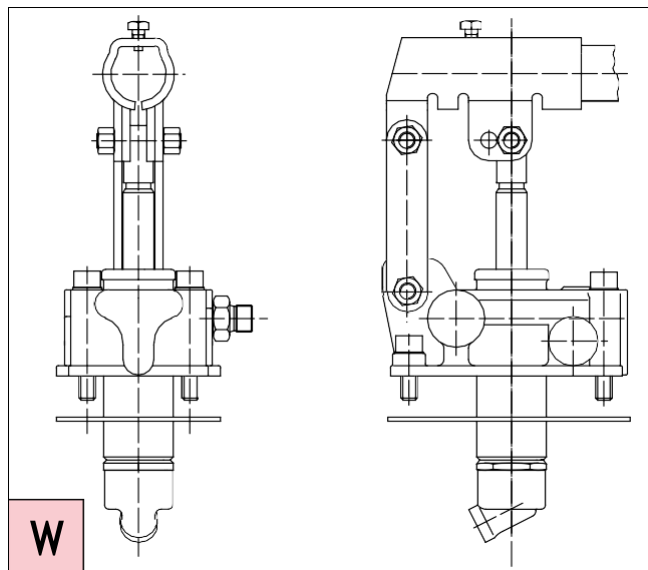
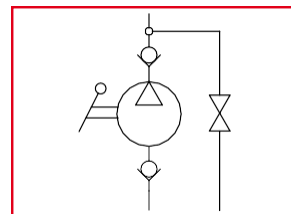
Y	Cilindrata / Displacement	K	A	B	C
20	20 cm3 (1.22 in3)	29°	249 (9.80)	167 (6.57)	34 (1.33)
30	30 cm3 (1.83 in3)	26°	252 (9.92)		
40	40 cm3 (2.44 in3)				40 (1.57)

Codice ordinazione Ordering code	
PME2 - Y - X	
X	Optional
P	Soffietto With rubber protection
WRV	Senza rubinetto di scarico con valvola di massima Without unloading valve with relief valve
W	Senza rubinetto di scarico Without unloading valve
L	Con leva di scarico With unloading lever
RV	Con valvola di massima press. With relief valve
LRV	Con leva di scarico e valvola di massima pressione With unloading lever and relief valve



PME2

Pompa a mano semplice effetto
Single acting hand pump

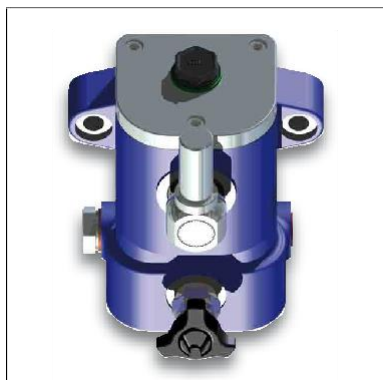
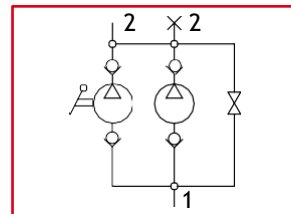


mm
(Inches)

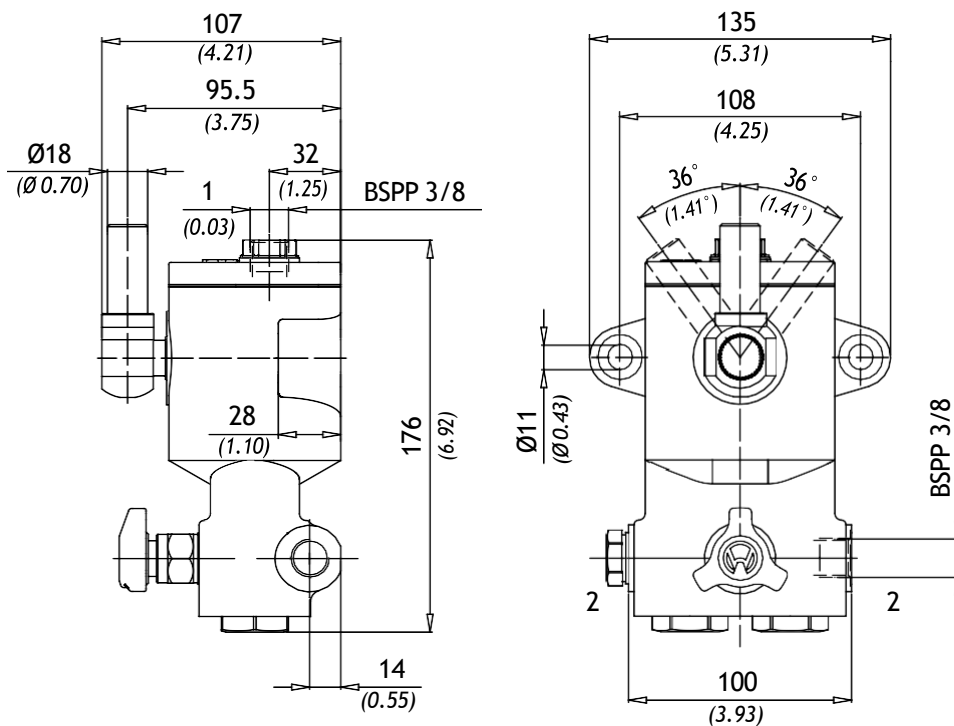


PMD

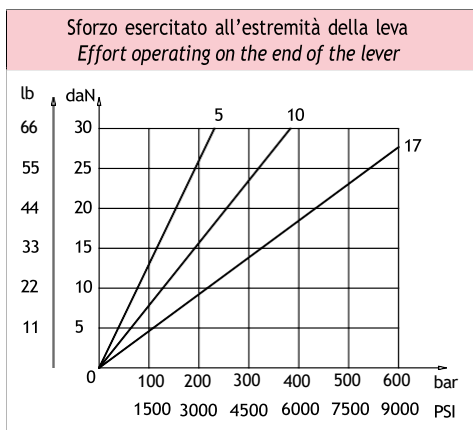
Pompa a mano semplice effetto doppio pompante
Single acting hand pump with double cylinder



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



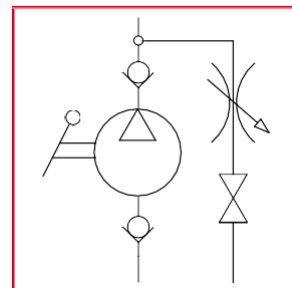
Caratteristiche tecniche Technical performances			
Codice Code	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Cilindrata Displacement cm ³ / in ³
PMD5	500 (7250)	4.2 (9.2)	5 (0.30)
PMD10	250 (3600)		10 (0.61)
PMD17	150 (2100)		17 (1.03)

Codice ordinazione Ordering code	
PMD - Y - X	
Y	Cilindrata / Displacement
5	5 cm ³ (0.30 in ³)
10	10 cm ³ (0.61 in ³)
17	17 cm ³ (1.03 in ³)
X	Optional
W	Senza rubinetto di scarico Without unloading valve



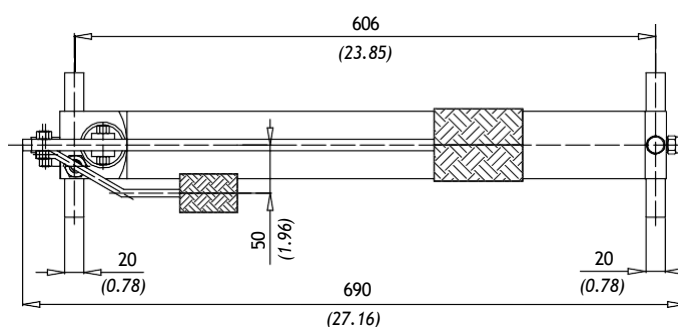
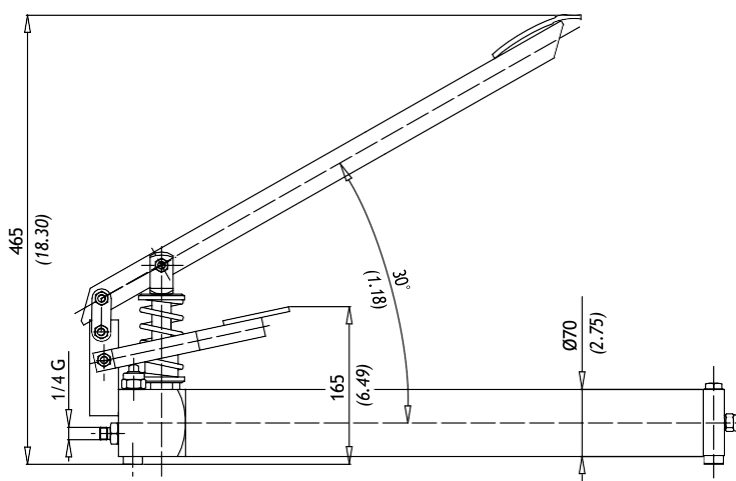
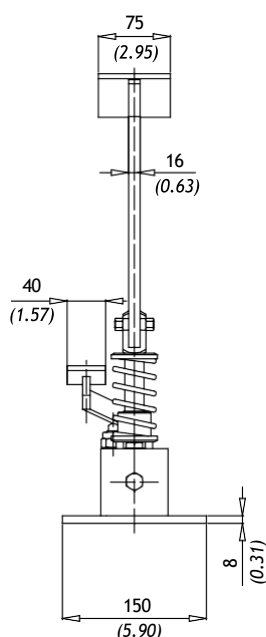
PME3

Pompa a pedale
Foot pump

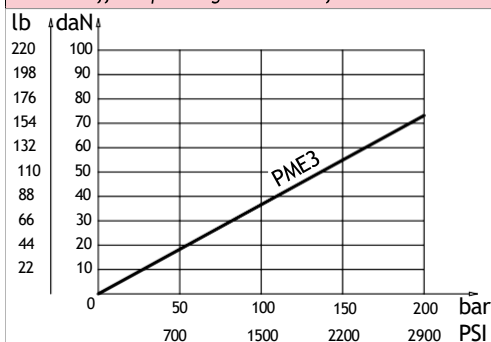


Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² / s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



Sforzo esercitato all'estremità della leva
Effort operating on the end of the lever



mm
(Inches)

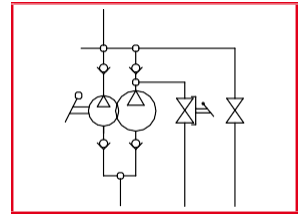
Caratteristiche tecniche Technical performances

Codice Code	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb	Cilindrata Displacement cm ³ / in ³
PME3	200 (2900)	10 (22)	14 (0.85)



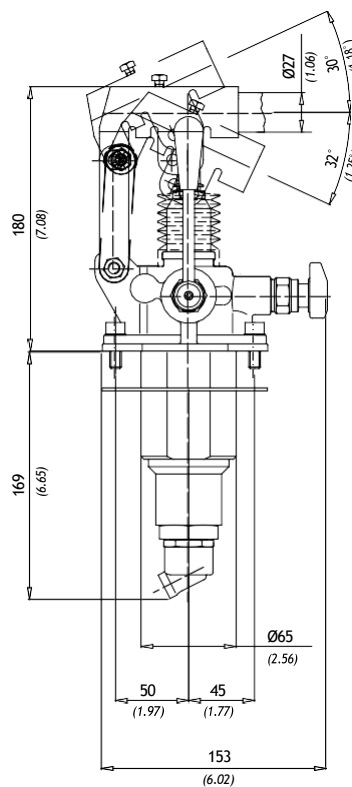
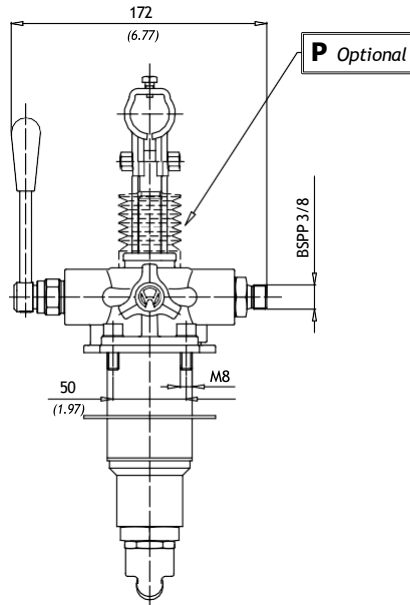
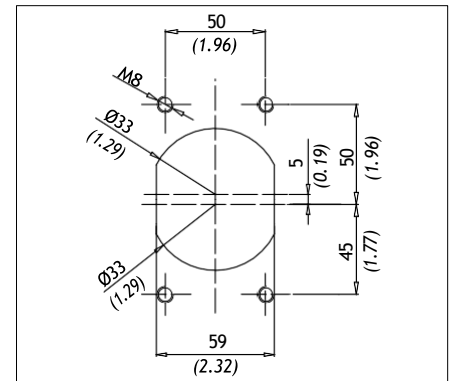
PME580

Pompa a mano 2 velocità per cilindro a semplice effetto
Two speed hand pump with single acting cylinder



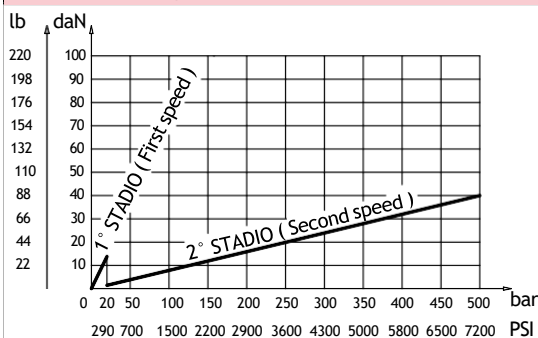
La pompa viene fornita con guarnizione sagomata + viti di fissaggio + leva di azionamento L=600 mm
The pump is supplied with shaped seal, fixing screws and acting lever 23 in. long

Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² / s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



Codice ordinazione Ordering code	
PME580 - X	
X	Optional
P	Soffietto With rubber protection
18	Con predisposizione manometro With arrangement for gauge
X18	Con valvola di massima e predisposizione manometro With relief valve and arrangement for gauge
CA	Con comando automatico With automatic device
CA18	Con comando automatico e predisposizione manometro With automatic device and arrangement for gauge
CARV	Con comando automatico e valvola di massima With automatic device and relief valve
CARV18	Con comando automatico, valvola di massima e predisposizione manometro With automatic device, relief valve and arrangement for gauge

Sforzo esercitato all'estremità della leva
Effort operating on the end of the lever



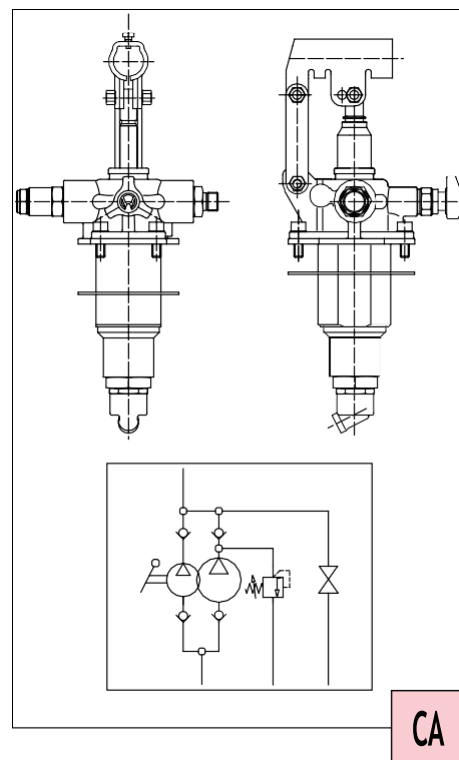
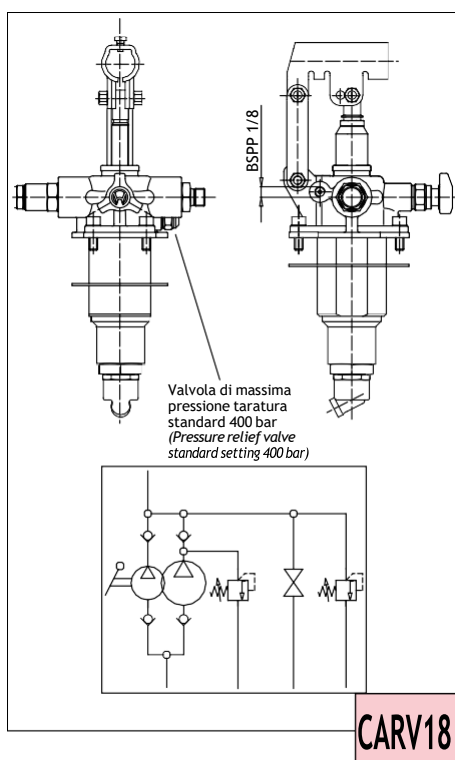
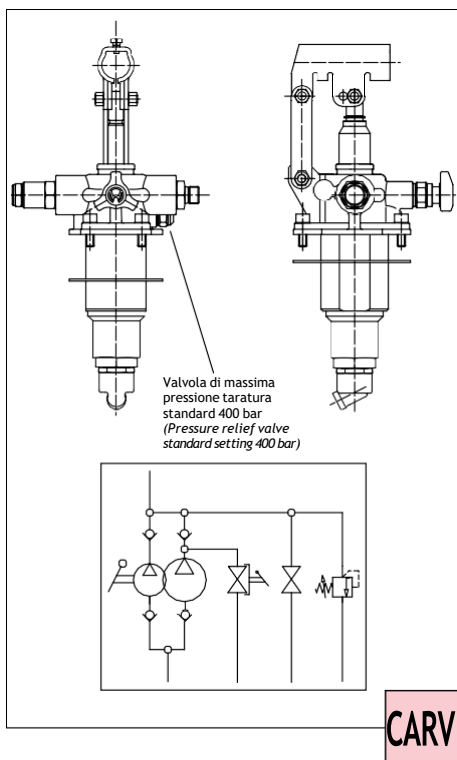
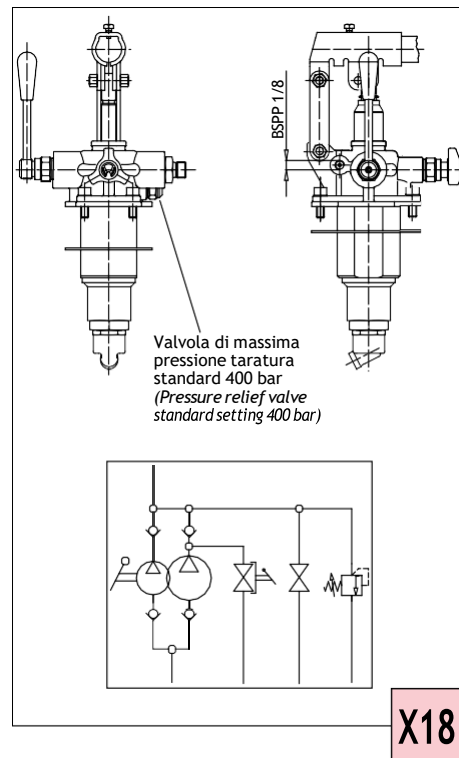
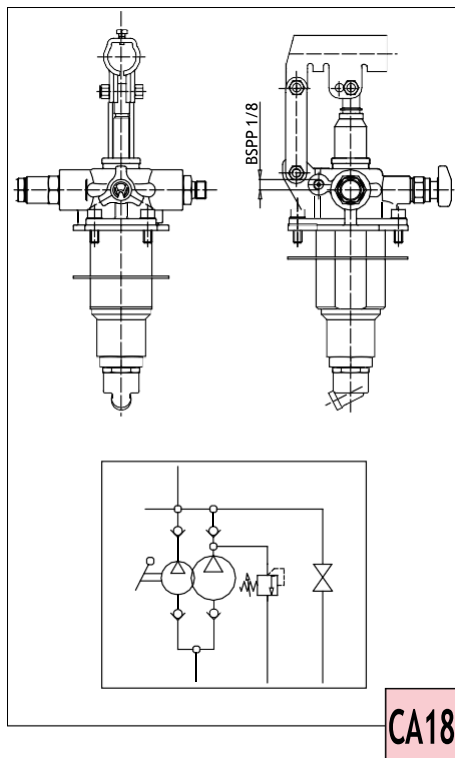
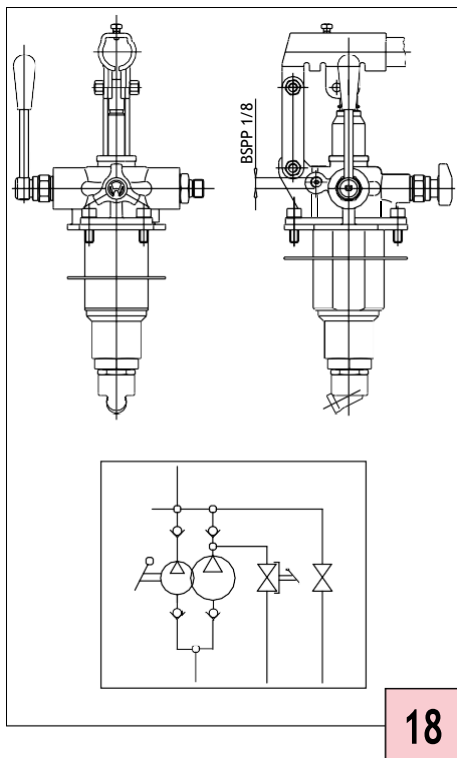
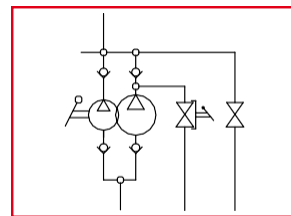
mm
(Inches)

Caratteristiche tecniche Technical performances					
Codice Code	Pressione Max 1 stadio Max pressure 1 stage bar / PSI	Pressione Max 2 stadio Max pressure 2 stage bar / PSI	Cilindrata 1 stadio Displacement 1 stage cm ³ / in ³	Cilindrata 2 stadio Displacement 2 stage cm ³ / in ³	Peso approssimativo Approx weight Kg / lb
PME580	20 (290)	500 (7250)	80 (4.9)	5 (0.30)	7,1 (15.6)



PME580

Pompa a mano 2 velocità per cilindro a semplice effetto
Two speed hand pump with single acting cylinder





TNK

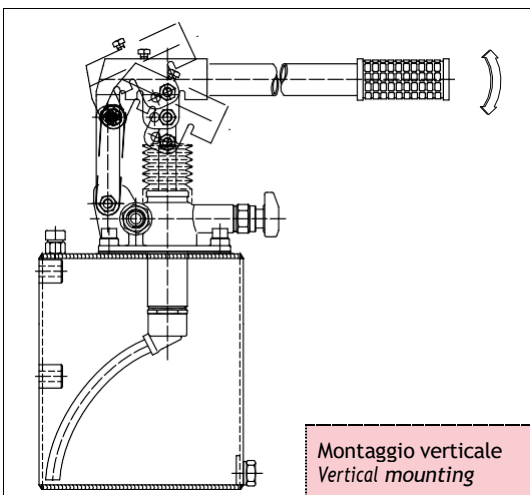
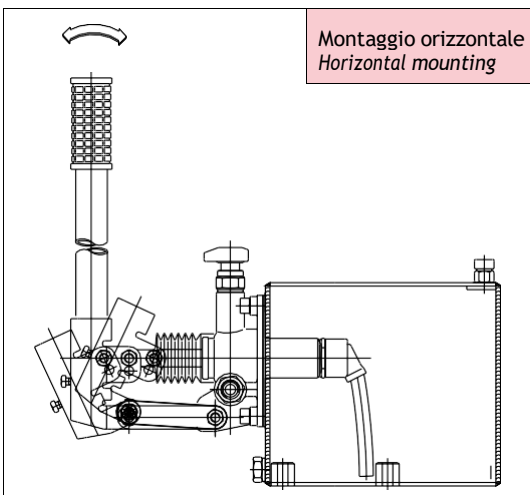
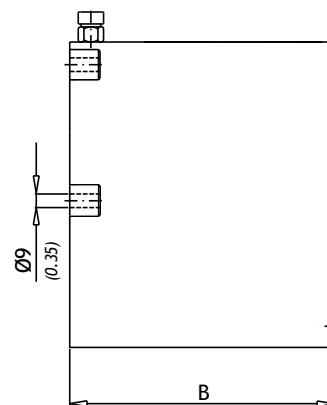
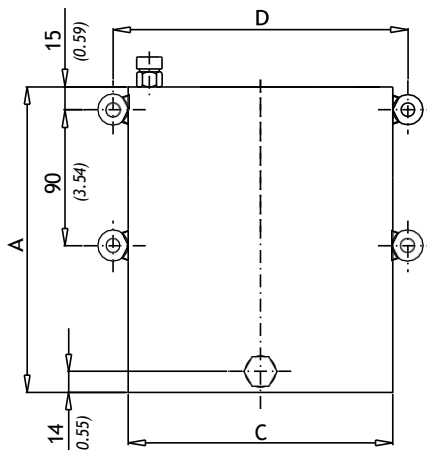
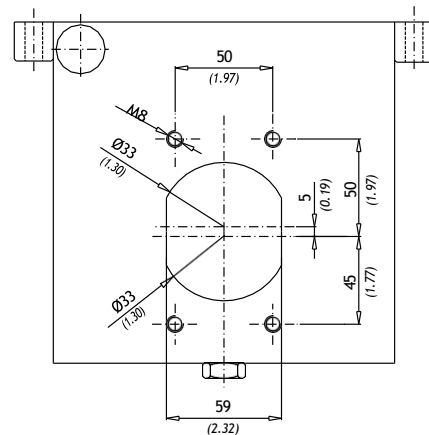
Serbatoi in acciaio
Steel reservoir



Serbatoio in acciaio
Steel reservoir
Verniciatura RAL9005 antiolio-nero
RAL9005 black oil proof painting
Il serbatoio è comprensivo di tappo
sfiato e tappo scarico
The reservoir is including the breather plug

Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)

Caratteristiche tecniche Technical performances

Codice Code	Capacità Capacity	A	B	C	D	Peso approssimativo Approx weight Kg / lb
17900001	1 Lt. - 61 in.3	120 (4.72)	150 (5.90)	100 (4.72)	120 (4.72)	2,2 (5)
17900002	2 Lt. - 122 in.3	185 (7.28)				2,7 (6)
17900003	3 Lt. - 183 in.3	255 (10.03)				3,7 (8)
17900006	5 Lt. - 305 in.3	200 (7.87)	175 (6.88)		195 (7.67)	5,3 (11.5)
17900004	7 Lt. - 427 in.3	275 (10.82)				6,6 (14.5)
17900005	10 Lt. - 610 in.3	380 (14.96)				8,3 (18)



TNA

Serbatoi in alluminio
Aluminium reservoir



Caratteristiche tecniche Technical performances

Codice Code	Capacità Capacity lt / lb	Peso approssimativo Approx weight kg / lb
TNA1	1	1,5 (3.3)
TNA1,5	1,5	1,8 (4)

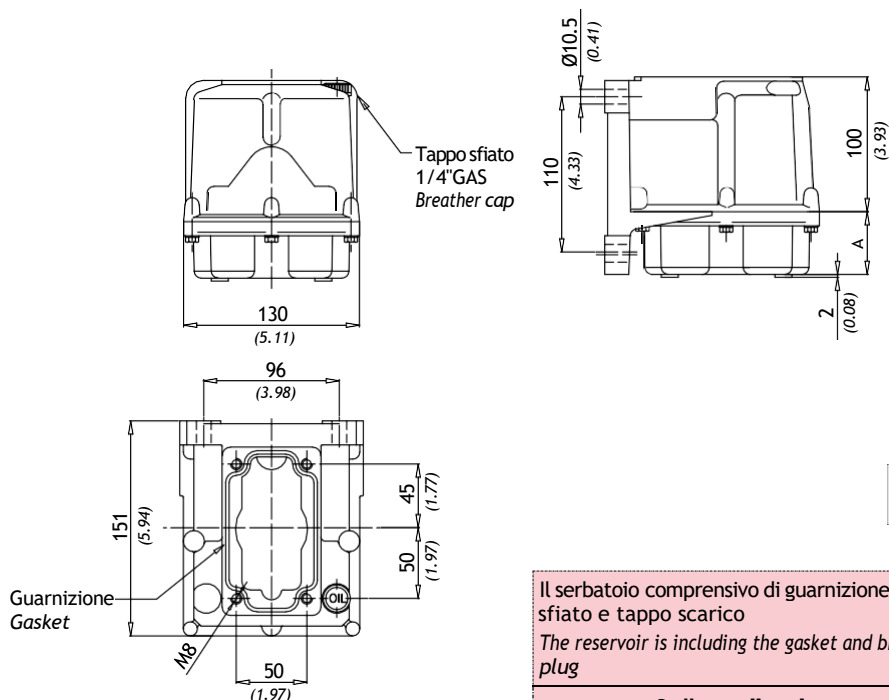
Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² / s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



Caratteristiche tecniche Technical performances

Codice Code	Capacità Capacity lt / lb	Peso approssimativo Approx weight kg / lb
TNA2	2	1,5 (3.3)
TNA3	3	1,6 (3.5)
TNA5	5	1,8 (4)



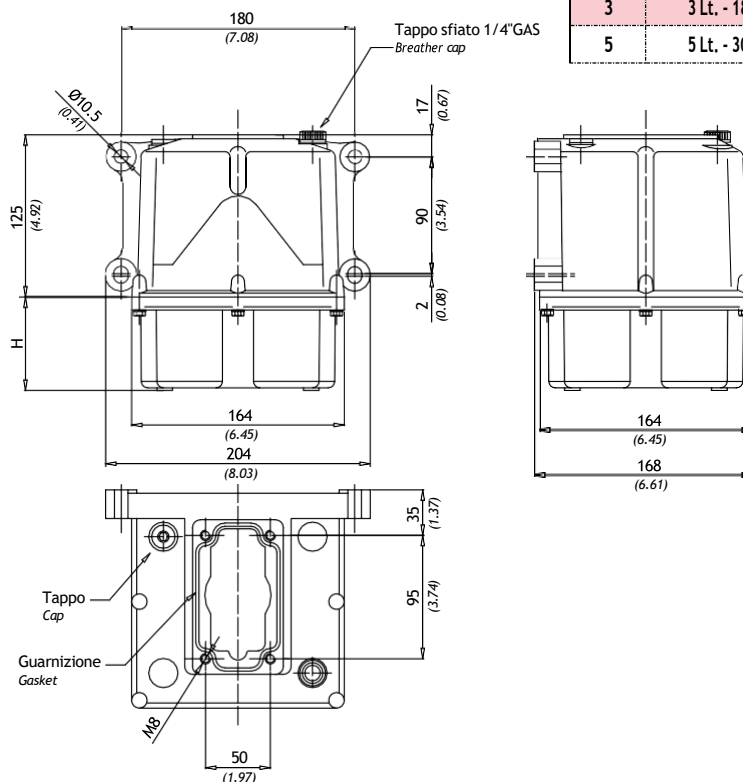
_mm
(Inches)

Il serbatoio comprensivo di guarnizione, tappo sfiato e tappo scarico
The reservoir is including the gasket and breather plug

Codice ordinazione Ordering code

TNA - X

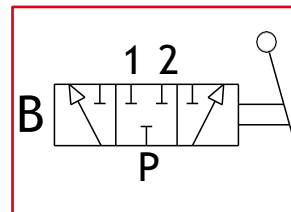
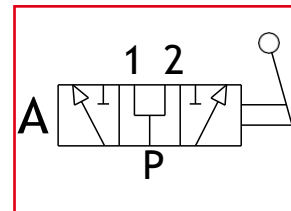
X	Capacità / Capacity	A	H
1	1 Lt. - 61 in.3	40 (1.57)	
1,5	1,5 Lt. - 90 in.3	160 (6.30)	
2	2 Lt. - 122 in.3		25 (0.98)
3	3 Lt. - 183 in.3		70 (2.75)
5	5 Lt. - 305 in.3		180 (7.08)



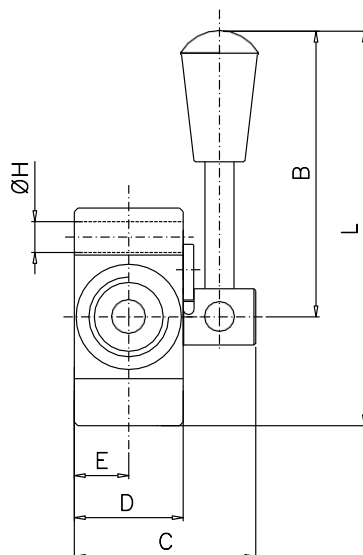
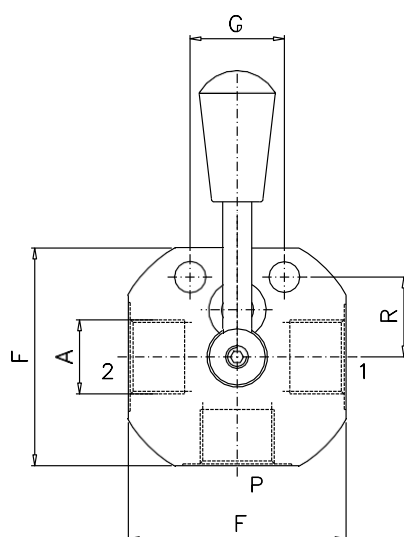


DDFA3

Deviatori di flusso a 3 vie alta pressione
High pressure 3 ways flow diverters

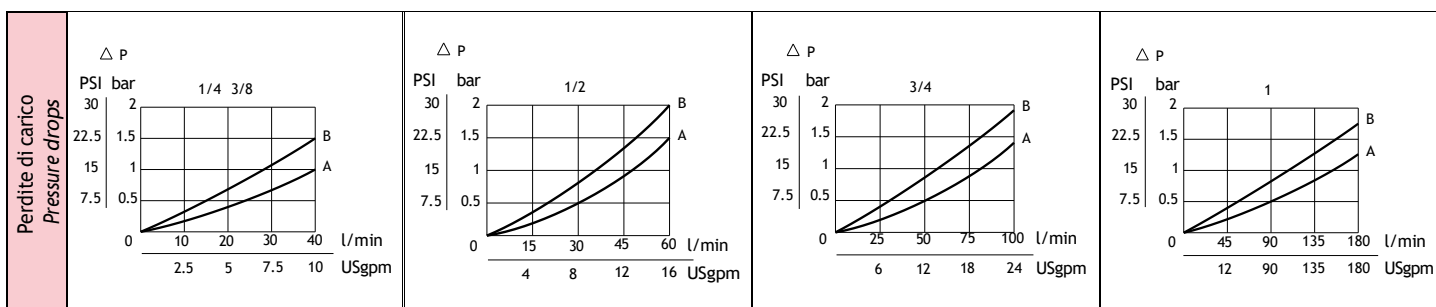


Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)

Codice ordinazione Ordering code			
DDFA3 - X - Y - S			
X	Dimensione / Size	Y	Schema - Circuit
140	BSPP 1/4	A	Centro aperto Open centre
380	BSPP 3/8		
120	BSPP 1/2	B	Centro chiuso Closed centre
340	BSPP 3/4		
100	BSPP 1		



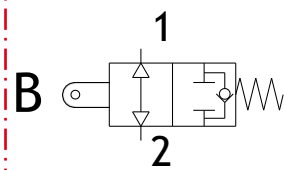
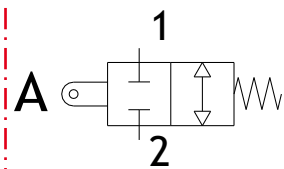
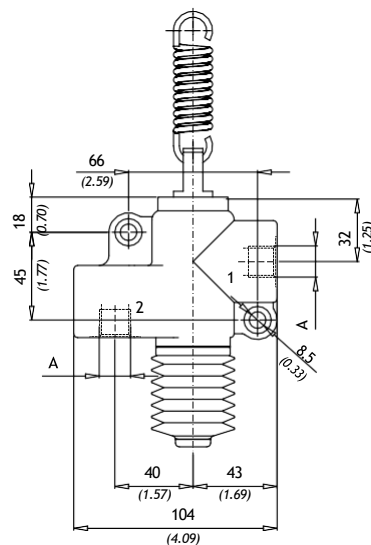
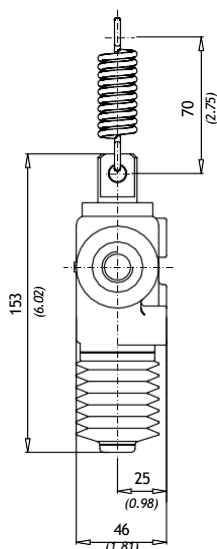
Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	D	E	F	G	H	L	R	Peso approssimativo Approx weight Kg / lb
DDFA3140	BSPP 1/4	40 (10)	500 (7250)	80 (3.15)	50 (1.97)	30 (1.18)	15 (0.59)	60 (2.36)	26 (1.02)	8,5 (0.33)	110 (4.33)	22 (0.87)	0,7 (1.5)
DDFA3380	BSPP 3/8												
DDFA3120	BSPP 1/2	60 (15)		102 (4.01)	67 (2.64)	45 (1.77)	22,5 (0.88)	80 (3.15) 85 (3.47)	32 (1.26)	11 (0.43)	142 (4.60) 145 (5.71)	26 (1.02) 31,5 (1.24)	1,9 (4)
DDFA3340	BSPP 3/4	100 (25)											
DDFA3100	BSPP 1	180 (47)											



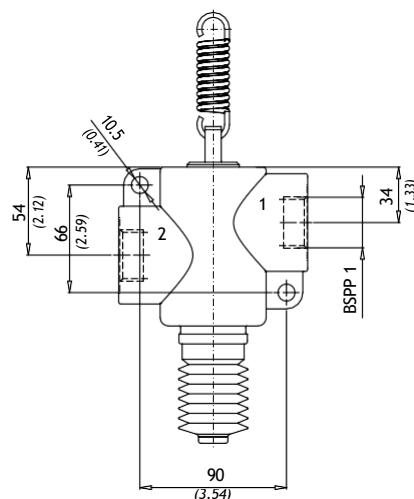
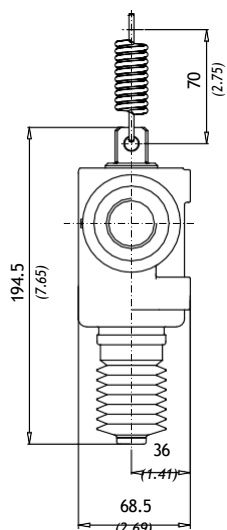
FCT

Valvole di fine corsa a trazione
Tug end-stroke valves

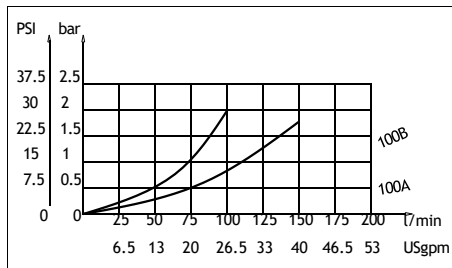
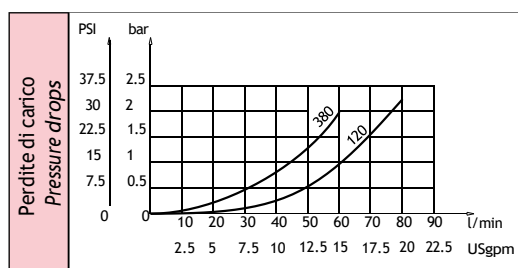


Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F

Caratteristiche tecniche Technical performances				
Codice Code	A	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb
FCT380	BSPP 3/8	60 (16)	250 (3600)	1,7 (3.7)
FCT120	BSPP 1/2	80 (21)		1,8 (4)
FCT340	BSPP 3/4	100 (26)		1,9 (4.1)
FCT3100	BSPP 1	140 (37)	200 (2900)	2,5 (5.5)



mm
(Inches)

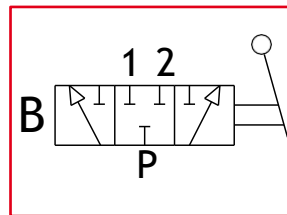
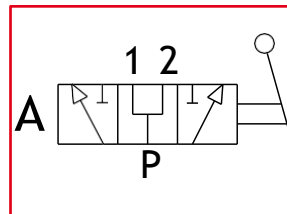


Codice ordinazione Ordering code			
FCT - X - Y			
X	Dimensione / Size	Y	Schema - Circuit
380	BSPP 3/8	A	Centro chiuso Closed centre
120	BSPP 1/2		
340	BSPP 3/4	B	Centro aperto Open centre
100	BSPP 1		

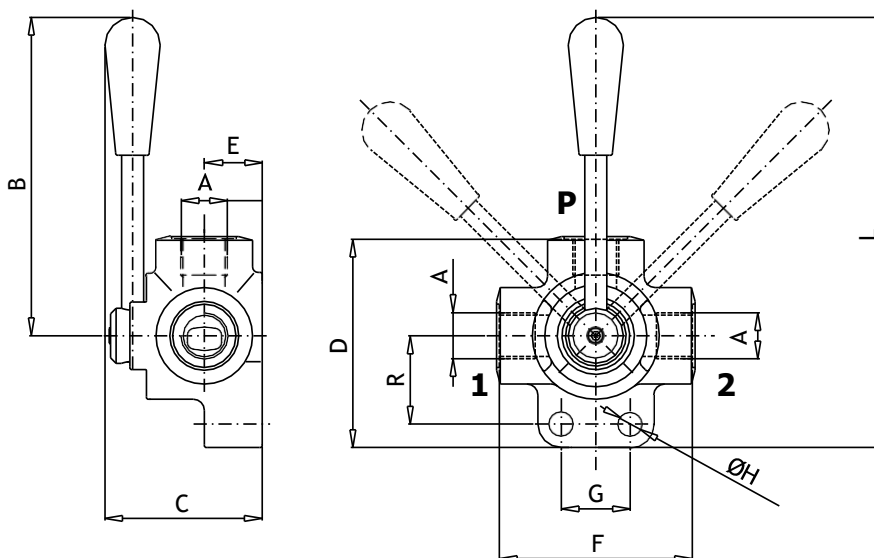


DDF3

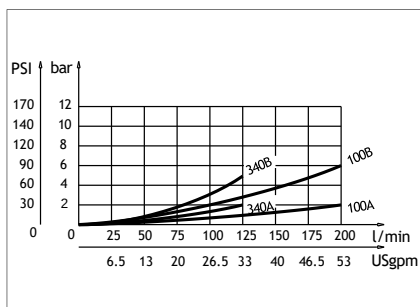
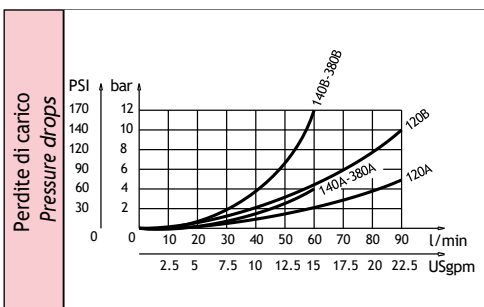
Deviatori di flusso a 3 vie
3 ways flow diverters



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F



mm
(Inches)



Codice ordinazione Ordering code			
DDF3 - X - Y			
X	Dimensione / Size	Y	Schema - Circuit
140	BSPP 1/4	A	Centro aperto Open centre
380	BSPP 3/8		
120	BSPP 1/2		
340	BSPP 3/4	B	Centro chiuso Closed centre
100	BSPP 1		

Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	D	E	F	G	H	L	R	Peso approssimativo Approx weight Kg / lb
DDF3140	BSPP 1/4	60 (16)	350 (5000)	115 (4.53)	57 (2.25)	75,5 (2.97)	21 (0.83)	70 (2.76)	25 (0.98)	8,5 (0.33)	155,5 (6.12)	32 (1.26)	0,8 (1.8)
DDF3380	BSPP 3/8				63 (2.48)	86 (3.38)	24 (0.95)	80 (3.15)	161 (6.34)		36 (1.42)	1,2 (2.7)	
DDF3120	BSPP 1/2	90 (23)			67 (2.64)	98,5 (3.88)	26 (1.02)	90 (3.54)	32 (0.13)	10,5 (0.41)	168,5 (6.63)	42 (1.65)	1,8 (4)
DDF3340	BSPP 3/4	120 (30)			77 (3.03)	110 (4.33)	31 (1.22)	98 (3.86)			176,5 (6.95)	150 (1.97)	2,7 (6)
DDF3100	BSPP 1	200 (50)			300 (4000)								

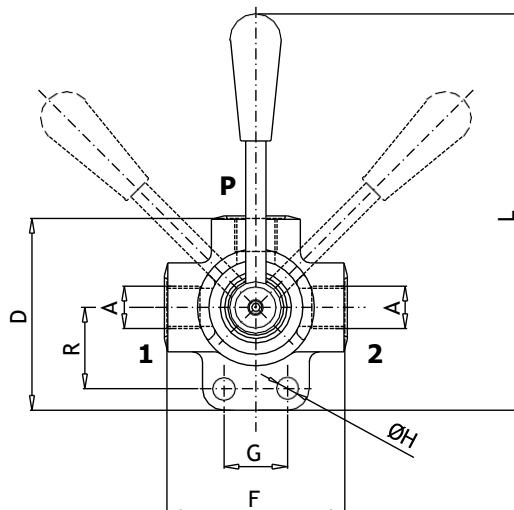
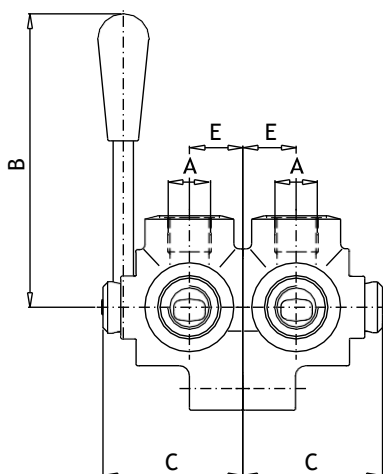
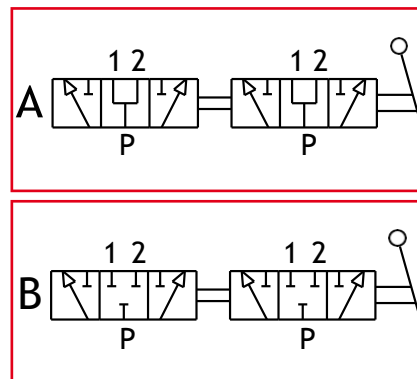


DDF6

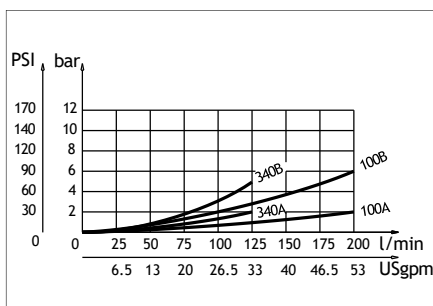
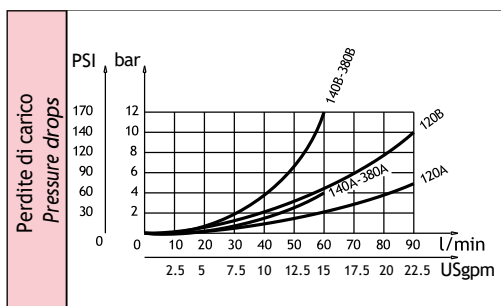
Deviatori di flusso a 6 vie
6 ways flow diverters



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F



mm
(Inches)



Codice ordinazione Ordering code			
DDF6 - X - Y			
X	Dimensione / Size	Y	Schema - Circuit
140	BSPP 1/4	A	Centro aperto Open centre
380	BSPP 3/8		
120	BSPP 1/2		
340	BSPP 3/4	B	Centro chiuso Closed centre
100	BSPP 1		

Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	D	E	F	G	H	L	R	Peso approssimativo Approx weight Kg / lb
DDF6140	BSPP 1/4	60+60 (16+16)	350 (5000)	115 (4.53)	57 (2.25)	75,5 (2.97)	21 (0.83)	70 (2.76)	25 (0.98)	8,5 (0.33)	155,5 (6.12)	32 (1.26)	1,5 (3.3)
DDF6380	BSPP 3/8				63 (2.48)	86 (3.38)	24 (0.95)	80 (3.15)	32 (0.13)		161 (6.34)	36 (1.42)	
DDF6120	BSPP 1/2	90+90 (23+23)			67 (2.64)	98,5 (3.88)	26 (1.02)	90 (3.54)		10,5 (0.41)	168,5 (6.63)	42 (1.65)	3,5 (8)
DDF6340	BSPP 3/4	120+120 (30+30)			77 (3.03)	110 (4.33)	31 (1.22)	98 (3.86)			176,5 (6.95)	150 (1.97)	5,3 (12)
DDF6100	BSPP 1	200+200 (50+50)	300 (4000)										

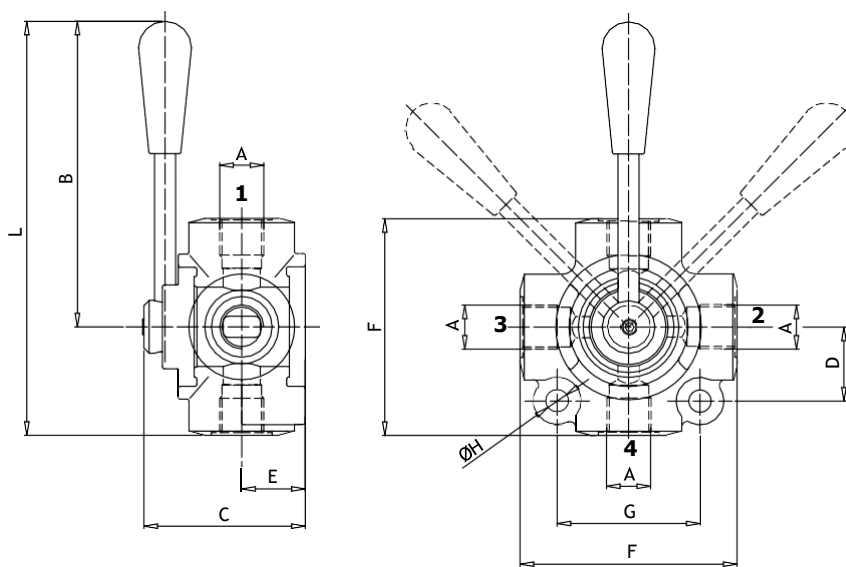
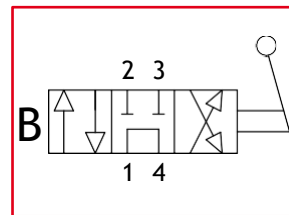
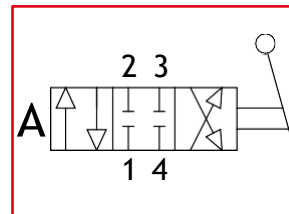


IDF4

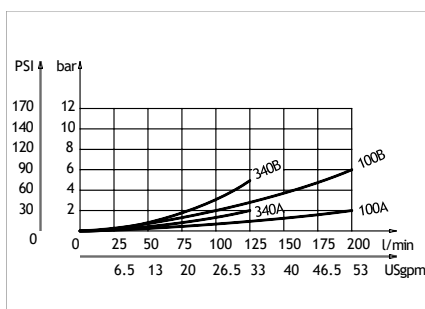
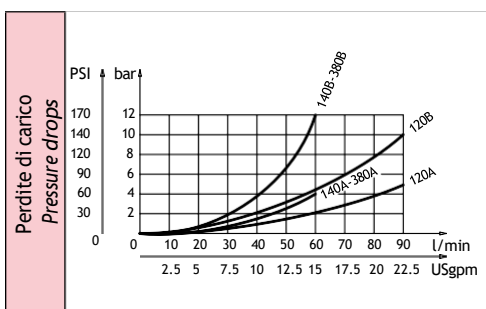
Deviatori di flusso a 4 vie
4 ways flow diverters



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² / s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)



Codice ordinazione Ordering code			
IDF4 - X - Y			
X	Dimensione / Size	Y	Schema - Circuit
140	BSPP 1/4	A	Centro aperto Open centre
380	BSPP 3/8		
120	BSPP 1/2		
340	BSPP 3/4	B	Centro chiuso Closed centre
100	BSPP 1		

Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	D	E	F	G	H	L	Peso approssimativo Approx weight Kg / lb
IDF4140	BSPP 1/4	60 (16)	350 (5000)	115 (4.53)	63 (2.48)	28 (1.10)	24 (0.95)	80 (3.15)	54 (2.12)	8,5 (0.33)	155 (6.10)	1,2 (2.6)
IDF4380	BSPP 3/8											
IDF4120	BSPP 1/2	90 (23)										
IDF4340	BSPP 3/4	120 (32)										2,2 (4.8)
IDF4100	BSPP 1	200 (50)	300 (4000)		77 (3.03)	38 (1.50)	31 (1.22)	94 (3.70)	74 (2.91)	10,5 (0.41)	162 (6.38)	2 (4.4)

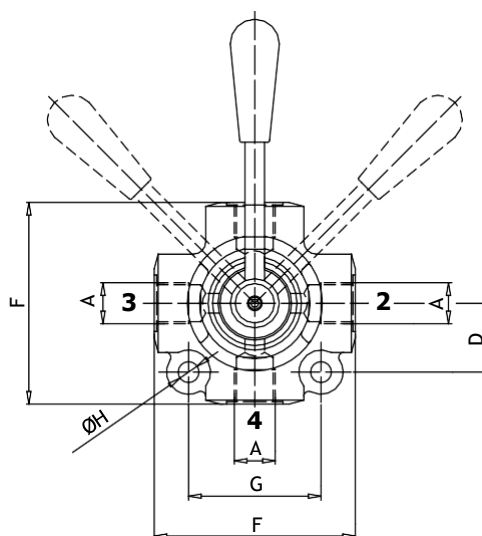
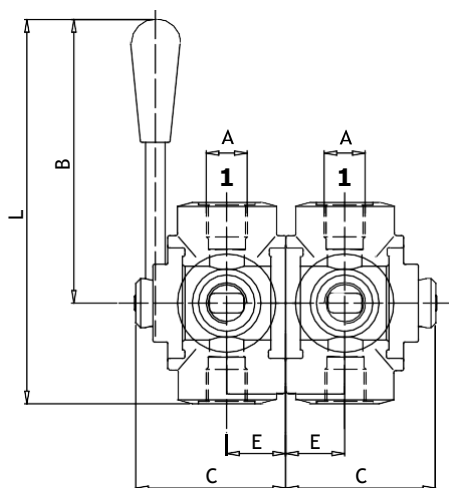
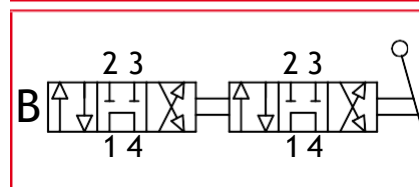
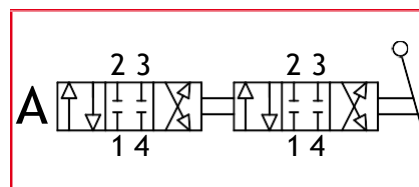


IDF8

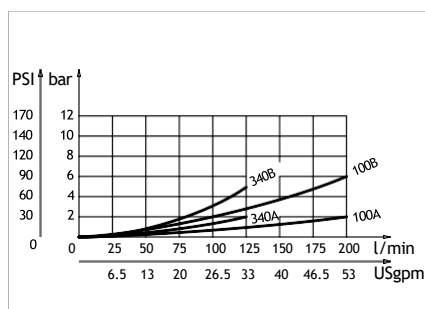
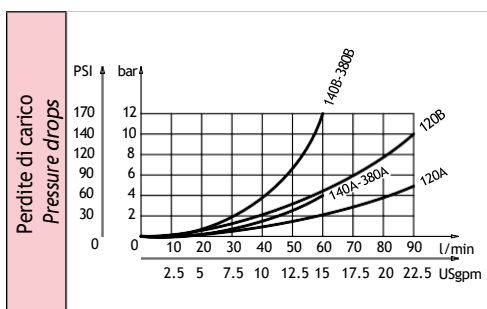
Deviatori di flusso a 8 vie
8 ways flow diverters



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² / s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F + 122°F



mm
(Inches)



Codice ordinazione Ordering code			
IDF4 - X - Y			
X	Dimensione / Size	Y	Schema - Circuit
140	BSPP 1/4	A	Centro chiuso Closed centre
380	BSPP 3/8		
120	BSPP 1/2		
340	BSPP 3/4	B	Centro aperto Open centre
100	BSPP 1		

Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max ow l/min - USgpm	Pressione Max Max pressure bar / PSI	B	C	D	E	F	G	H	L	Peso approssimativo Approx weight Kg / lb
IDF8140	BSPP 1/4	60 (16)	350 (5000)	115 (4.53)	63 (2.48)	28 (1.10)	24 (0.95)	80 (3.15)	54 (2.12)	8,5 (0.33)	155 (6.10)	2,3 (5)
IDF8380	BSPP 3/8											2,1 (4.6)
IDF8120	BSPP 1/2	90 (23)			77 (3.03)	38 (1.50)	31 (1.22)	94 (3.70)	74 (2.91)	10,5 (0.41)	162 (6.38)	4,3 (9.5)
IDF8340	BSPP 3/4	120 (30)										4 (8.8)
IDF8100	BSPP 1	200 (50)	300 (4350)									



Accessori
Accessories



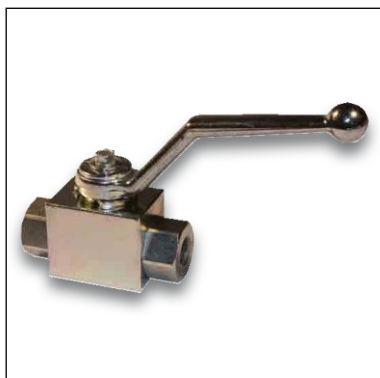
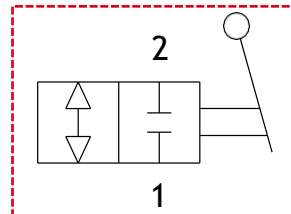
Euro
SERVICES

HYDRAULIC VALVES AND COMPONENTS



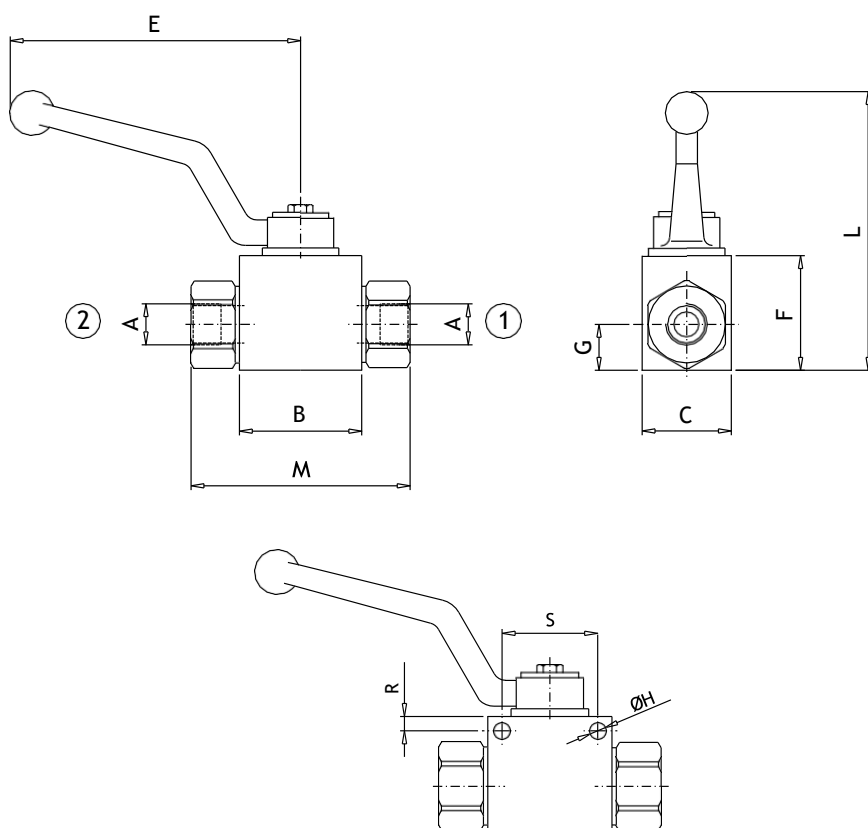
RAS2

Valvole a sfera a 2 vie
2 ways ball valves



Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)

Codice ordinazione Ordering code

RAS2 - X - Y

X	Dimensione / Size	Y	Optional
180	BSPP 1/8	P	Fori di fissaggio Fixing ports
140	BSPP 1/4		
380	BSPP 3/8		
120	BSPP 1/2		
340	BSPP 3/4		
100	BSPP 1		
114	BSPP 1-1/4		
112	BSPP 1-1/2		

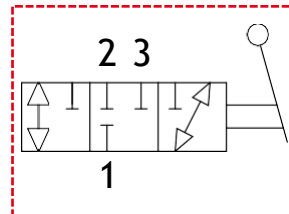
Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	E	F	G	H	L	M	R	S	Peso approssimativo Approx weight Kg / lb
RAS2180	BSPP 1/8	15 (4)	500 (7250)	42 (1.65)	30 (1.18)	110 (4.33)	35 (1.38)	14,5 (0.57)	5,2 (0.20)	91,5 (3.60)	71 (2.80)	4,5 (0.18)	34 (1.34)	0,5 (1.1)
RAS2140	BSPP 1/4	25 (6.5)		44 (1.73)	35 (1.38)		40 (1.57)	17,5 (0.69)		96,5 (3.80)	73 (2.87)	5 (0.20)	36 (1.42)	0,7 (1.5)
RAS2380	BSPP 3/8	35 (9)		48 (1.89)	37 (1.46)		43 (1.69)	18 (0.71)		99,5 (3.91)	83 (3.27)			0,8 (1.8)
RAS2120	BSPP 1/2	60 (15)		62,5 (2.46)	45 (1.77)		55 (2.16)	23,5 (0.93)		106,5 (4.19)	95 (3.74)			1,5 (3.3)
RAS2340	BSPP 3/4	100 (25)	400 (5800)	66,5 (2.62)	55 (2.16)	180 (7.08)	65 (2.56)	29,5 (1.16)	6,2 (0.24)	116,5 (4.59)	120 (4.72)	6 (0.24)	50 (1.97)	2,3 (5)
RAS2100	BSPP 1	150 (40)	350 (5000)								112 (4.41)			
RAS2114	BSPP 1-1/4										124 (4.88)			
RAS2112	BSPP 1-1/2													2,5 (5.5)



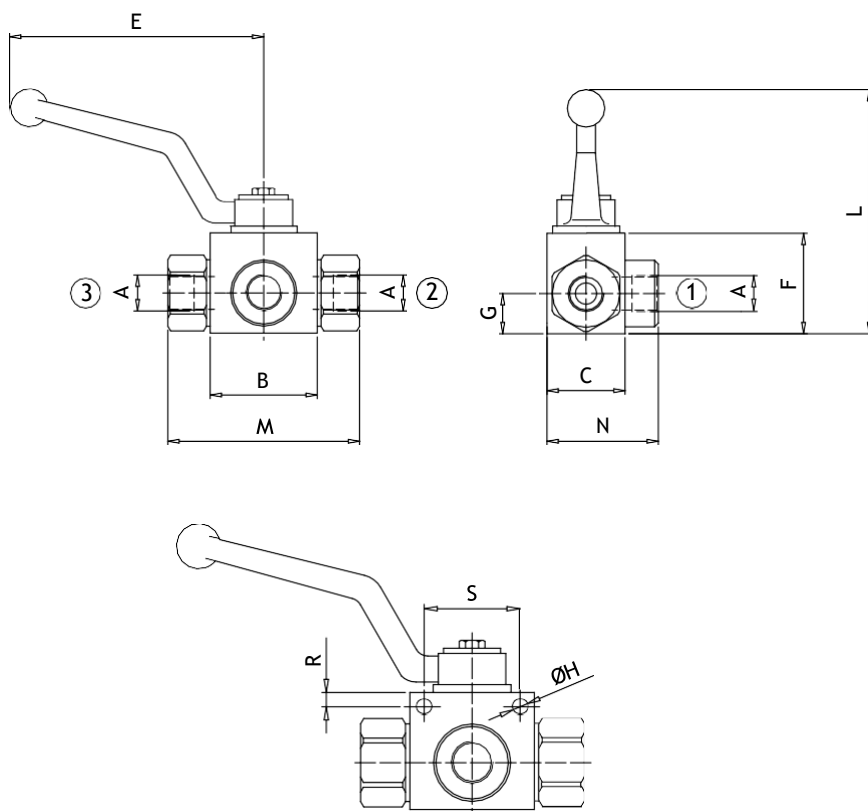
RAS3

Valvole a sfera a 3 vie
3 ways ball valves



Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² / s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F



mm
(Inches)

Codice ordinazione Ordering code

RAS3 - X - Y

X	Dimensione / Size	Y	Optional
180	BSPP 1/8	P	Fori di fissaggio Fixing ports
140	BSPP 1/4		
380	BSPP 3/8		
120	BSPP 1/2		
340	BSPP 3/4		
100	BSPP 1		
114	BSPP 1-1/4		
112	BSPP 1-1/2		

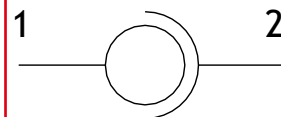
Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	B	C	E	F	G	H	L	M	N	R	S	Peso approssimativo Approx weight Kg / lb
RAS3180	BSPP 1/8	15 (4)	400 (5800)	42 (1.65)	30 (1.18)	110 (4.33)	35 (1.38)	14,5 (0.57)	5,2 (0.20)	91,5 (3.60)	71 (2.80)	48,5 (1.90)	4,5 (0.18)	34 (1.34)	0,6 (1.3)
RAS3140	BSPP 1/4	25 (6.5)		44 (1.73)	35 (1.38)		40 (1.57)	17,5 (0.69)		96,5 (3.80)	73 (2.87)	54,5 (2.14)	5 (0.20)	36 (1.42)	0,7 (1.5)
RAS3380	BSPP 3/8	35 (9)		48 (1.89)	37 (1.46)		43 (1.69)	18 (0.71)		99,5 (3.91)	83 (3.27)	58,5 (2.30)			0,8 (1.8)
RAS3120	BSPP 1/2	60 (15)	350 (5000)	62,5 (2.46)	45 (1.77)	180 (7.08)	55 (2.16)	23,5 (0.93)	6,2 (0.24)	106,5 (4.19)	95 (3.74)	75 (2.95)			1,6 (3.5)
RAS3340	BSPP 3/4	100 (25)		66,5 (2.62)	55 (2.16)		65 (2.56)	29,5 (1.16)		116,5 (4.59)	120 (4.72)	87,5 (3.15)			2,6 (5.7)
RAS3100	BSPP 1										112 (4.41)		6 (0.24)	50 (1.97)	2,4 (5.3)
RAS3114	BSPP 1-1/4	150 (40)									124 (4.88)				2,8 (6)
RAS3112	BSPP 1-1/2														



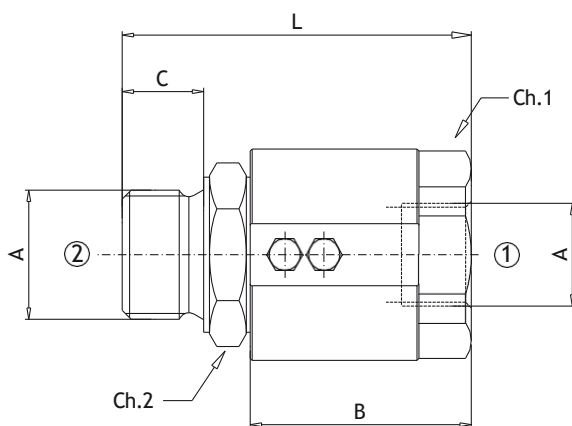
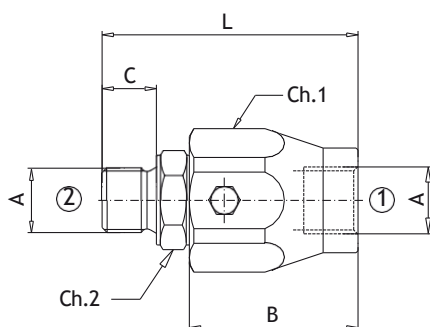
GGIL

Giunti girevoli in linea
In line rotating coupling



Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F



mm
(Inches)

Codice ordinazione Ordering code

GGIL - X

X	Dimensione / Size
140	BSPP 1/4
380	BSPP 3/8
120	BSPP 1/2
340	BSPP 3/4
100	BSPP 1

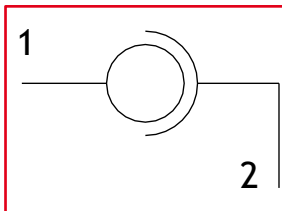
Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Pressione max in rotazione Max rotation pressure bar/PSI	Velocità max di rotazione Max rotation speed rev/min	B	C	Ch.1	Ch.2	L	Peso approssimativo Approx weight Kg / lb
GGIL140	BSPP 1/4	25 (6.5)	400 (5800)	200 (2900)	212	42 (1.65)	11 (0.43)	30 (1.18)	19 (0.75)	61 (2.40)	0,21 (0.46)
GGIL380	BSPP 3/8	35 (9)			173	44 (1.73)	14 (0.55)	34 (1.34)	24 (0.95)	66 (2.60)	0,27 (0.60)
GGIL120	BSPP 1/2	60 (15)	300 (4000)	150 (2200)	160	47 (1.85)	15 (0.59)	36 (1.42)	27 (1.06)	71 (2.79)	0,34 (0.75)
GGIL340	BSPP 3/4	100 (26)			120	50 (1.97)	19 (0.75)	45 (1.77)	34 (1.34)	80 (3.15)	0,55 (1.2)
GGIL100	BSPP 1	180 (47)			100	57 (2.24)	21 (0.82)	50 (1.97)	41 (1.61)	90 (3.54)	0,91 (2)



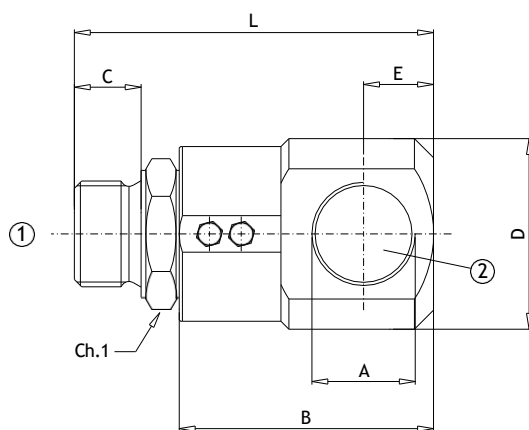
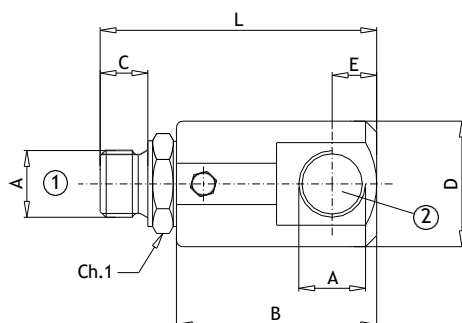
GG90

Giunti girevoli a 90°
90° rotating coupling



Dati tecnici Technical data

Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F



mm
(Inches)

Codice ordinazione Ordering code

GG90 - X

X	Dimensione / Size
140	BSPP 1/4
380	BSPP 3/8
120	BSPP 1/2
340	BSPP 3/4
100	BSPP 1

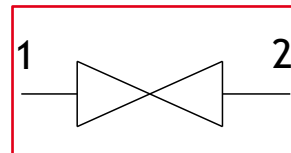
Caratteristiche tecniche Technical performances

Codice Code	A	Portata Max Max flow l/min - USgpm	Pressione Max Max pressure bar/PSI	Pressione max in rotazione Max rotation pressure bar/PSI	Velocità max di rotazione Max rotation speed rev/min	B	C	D	E	L	Ch.1	Peso approssimativo Approx weight Kg / lb
GG90140	BSPP 1/4	25 (6.5)	400 (5800)	200 (2900)	212	50 (1.97)	11 (0.43)	33,5 (1.32)	11 (0.43)	69 (2.71)	19 (0.75)	0,31 (0.68)
GG90380	BSPP 3/8	35 (9)			173	54 (2.13)	14 (0.55)	37,5 (1.48)	13 (0.51)	76 (2.99)	24 (0.95)	0,41 (0.90)
GG90120	BSPP 1/2	60 (15)	300 (4000)	150 (2200)	160	63 (2.48)	15 (0.59)	39,5 (1.55)	14 (0.55)	87 (3.42)	27 (1.06)	0,52 (1.15)
GG90340	BSPP 3/4	100 (26)			120	70 (2.76)	19 (0.75)	54,5 (2.15)	18 (0.71)	100 (3.93)	34 (1.34)	0,90 (2)
GG90100	BSPP 1	180 (47)		100 (1450)	100	80 (3.15)	21 (0.82)	55 (2.16)	25 (0.98)	113 (4.45)	41 (1.61)	1,12 (2.5)



SOV1400

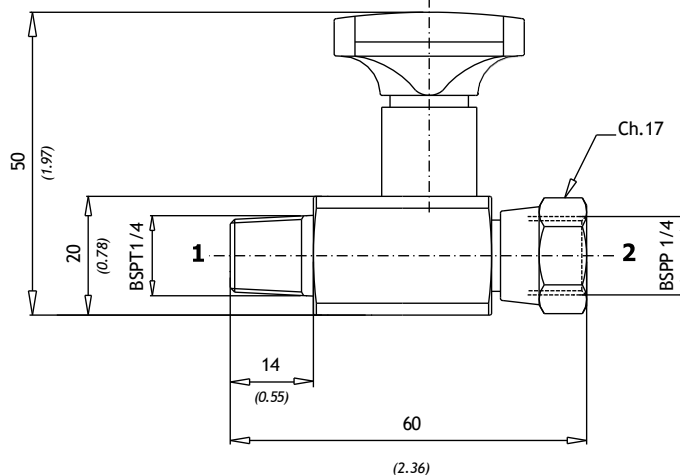
Rubinetto esclusore in linea protezione manometro
Pressure gauge in-line shut-off valve



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F

Caratteristiche tecniche Technical performances		
Codice Code	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb
SOV1400	400 (5800)	0,15 (0.33)

Codice ordinazione Ordering code
SOV1400

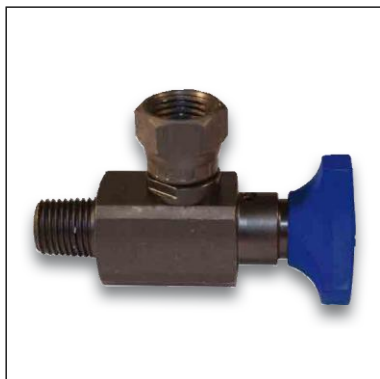
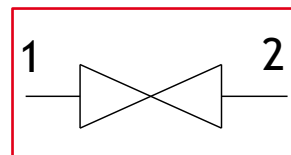


mm
(Inches)



SOV1490

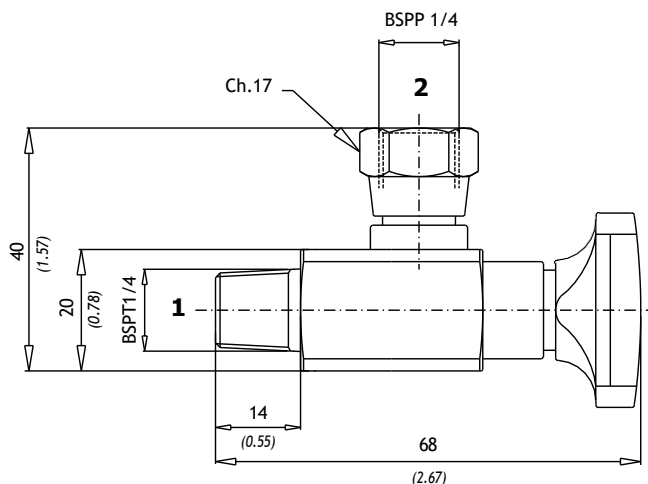
Rubinetto esclusore a 90° protezione manometro
Pressure gauge 90° shut-off valve



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20° C +80° C -4° F + 176° F
Temperatura ambiente Ambient temperature	-20° C +50° C -4° F +122° F

Caratteristiche tecniche Technical performances		
Codice Code	Pressione Max Max pressure bar/PSI	Peso approssimativo Approx weight Kg / lb
SOV1490	400 (5800)	0,15 (0.33)

Codice ordinazione Ordering code
SOV1490



mm
(Inches)

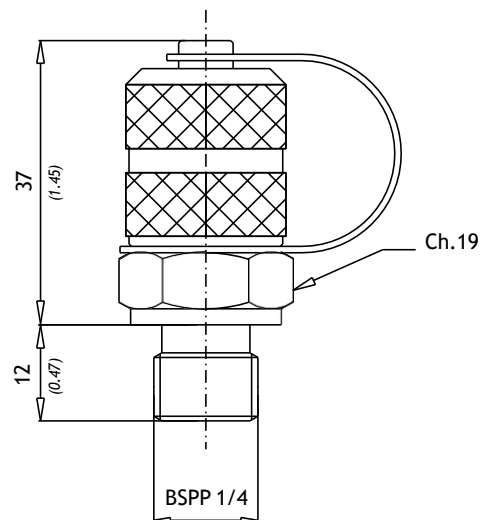


MNP140

miniprese prova pressione
Test couplings for pressure checking



Dati tecnici Technical data	
Viscosità fluido Fluid viscosity	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cSt)
Classe di contaminazione Filtration	ISO code 16/13 SAE class 4 or better
Temperatura fluido Fluid temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente Ambient temperature	-20°C +50°C -4°F +122°F



mm
(Inches)

Caratteristiche tecniche Technical performances			
Codice Code	Pressione Max Max pressure bar/PSI	Coppia di serraggio Tightening torque Nm/lbf ft	Peso approssimativo Approx weight Kg / lb
MNP	630 (9000)	30 (22)	0,08 (0.18)

Codice ordinazione Ordering code
MNP140

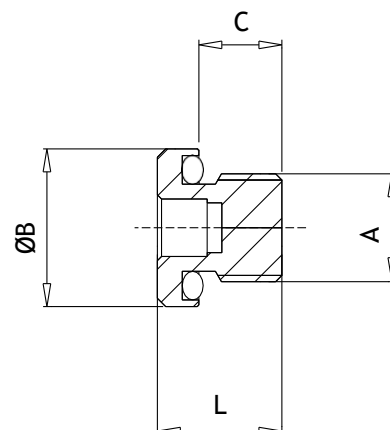


Tappi

Plugs



Caratteristiche tecniche Technical performances				
Codice Code	A	B	C	L
12000050	BSPP 1/8	16 (0.63)	5,5 (0.22)	9,5 (0.37)
12000137	BSPP 1/4	19 (0.75)	10 (0.39)	15 (0.59)
83500003	BSPP 3/8	22 (0.87)	11 (0.43)	17 (0.67)
83500004	BSPP 1/2	27 (1.06)	14 (0.55)	20 (0.79)
12000160	BSPP 3/4	32 (1.26)		



mm
(Inches)

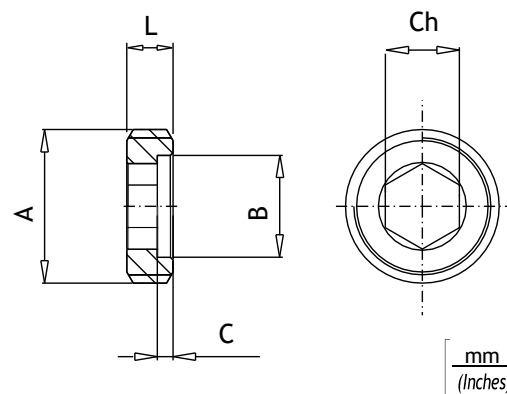


Ghiere filettate

Threaded rings



Caratteristiche tecniche Technical performances					
Codice Code	A	B	C	L	Ch
61300301	M9x1	5,5 (0.22)	1,7 (0.07)	4 (0.16)	4 (0.16)
61300171	M12x1	8,1 (0.32)			5 (0.20)
61300008	BSPP 1/4			5 (0.20)	
61300110	BSPP 3/8	11 (0.43)			
61300009					
61300005	BSPP 1/2	14,5 (0.57)	2 (0.08)	6 (0.24)	12 (0.47)
61300021	BSPP 3/4	20 (0.79)	3 (0.12)	7 (0.27)	16 (0.63)
61300026	BSPP 1	24 (0.95)	4 (0.16)	9 (0.35)	18 (0.71)



mm
(Inches)



Applicazioni speciali
Special applications



Euro
SERVICES

HYDRAULIC VALVES AND COMPONENTS



Applicazioni speciali

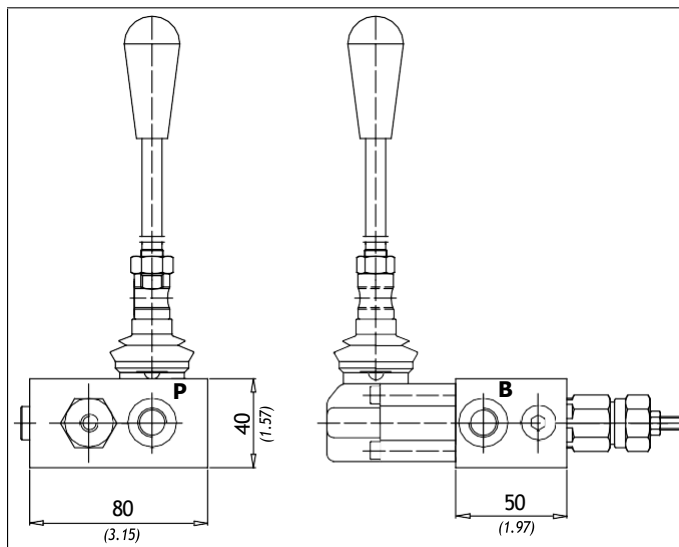
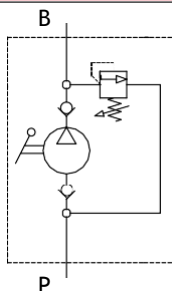
Special applications



BLOCCO 53

(Manifold 53)

Cod. 13900006



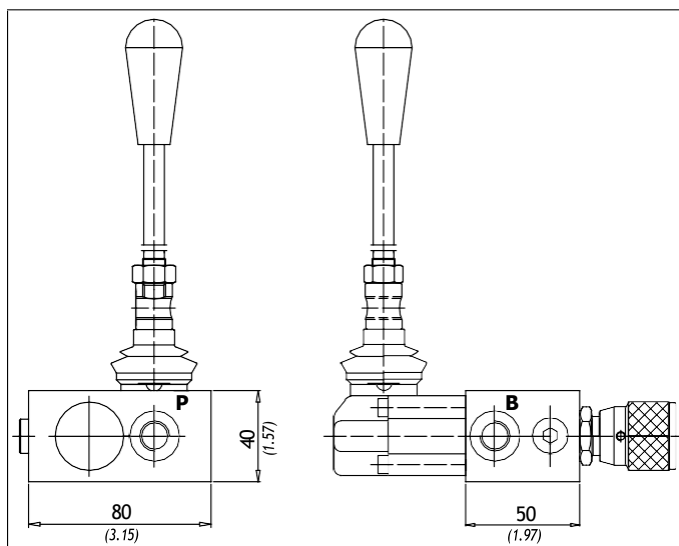
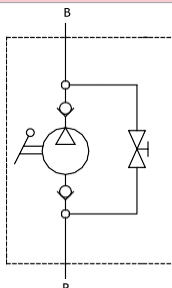
mm
(Inches)



BLOCCO 54

(Manifold 54)

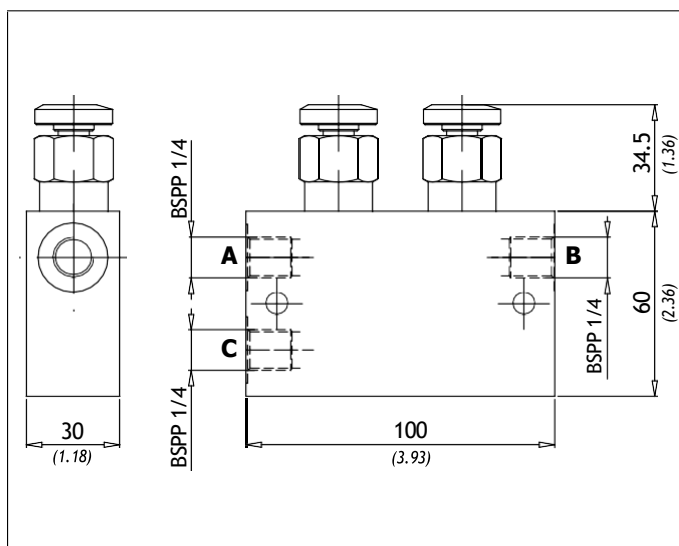
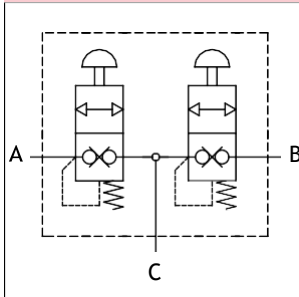
Cod. 13900008



BLOCCO 57

(Manifold 57)

Cod. 13900003





Applicazioni speciali

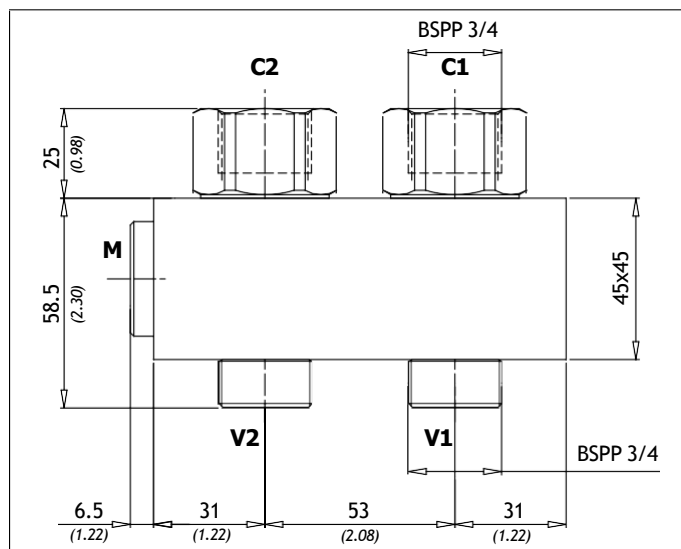
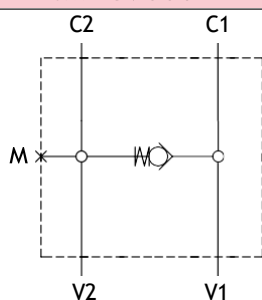
Special applications



BLOCCO 58

(Manifold 58)

Cod. 13900047

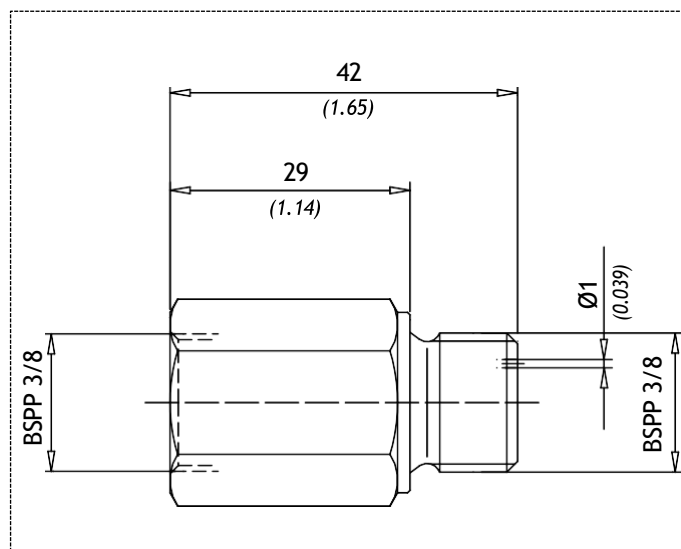
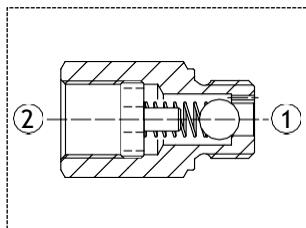
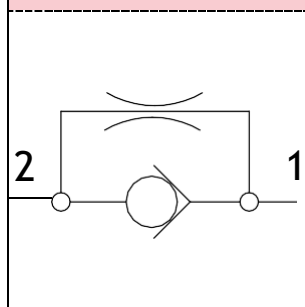


mm
(Inches)



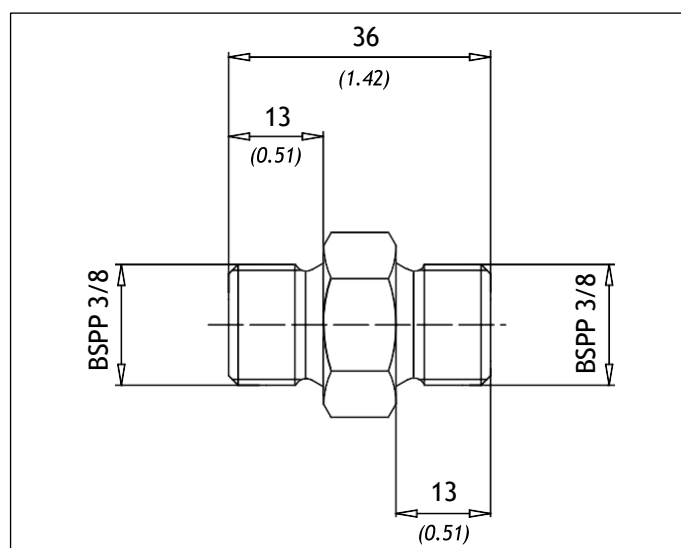
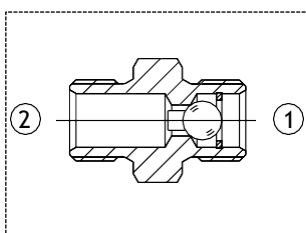
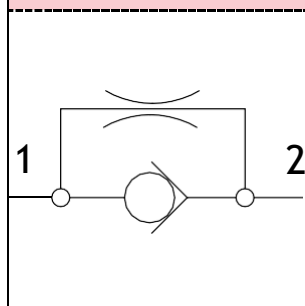
Valvola unidirezionale con trafilamento

Cod. 13900041



Valvola unidirezionale con trafilamento

Cod. 13900010





Euro
SERVICES

- info@euroservicesgroup.com
- www.euroservicesgroup.com