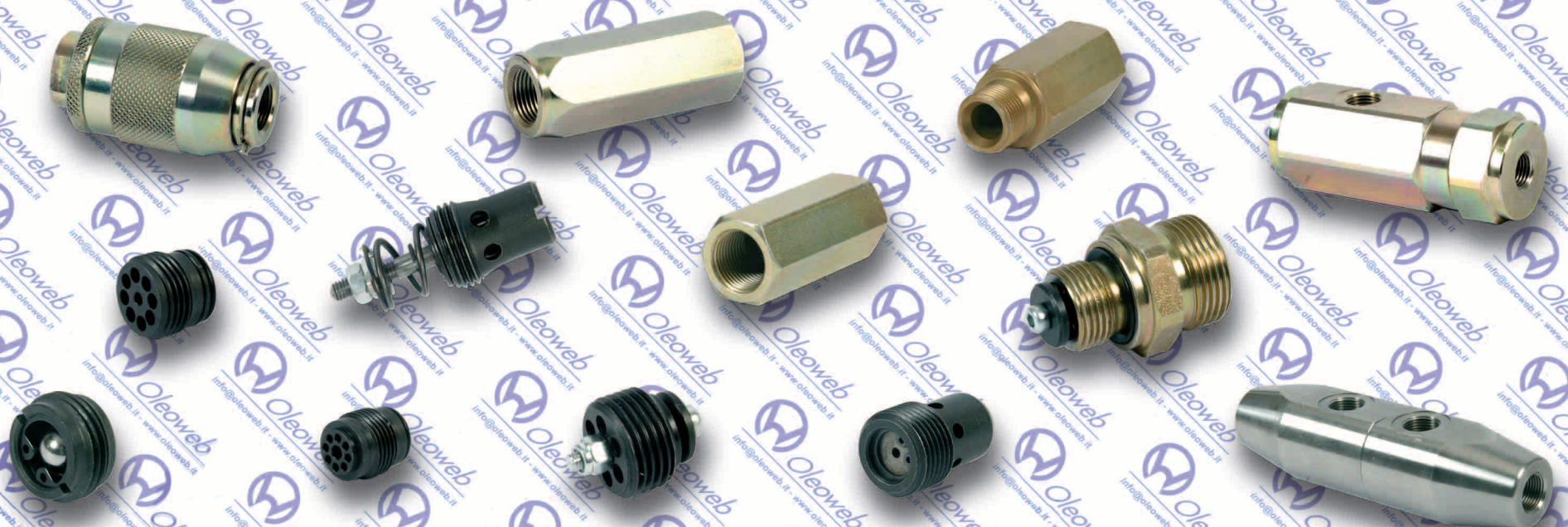




Oleoweb

HYDRAULIC VALVES AND COMPONENTS



Valvole in linea In-line valves

WWW.OLEOWEB.COM

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 (DIN 51519)-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 mm²/sViscosità max. 100 mm²/sViscosità consigliata 46 mm²/s

The viscosity must be according to ISO 3448 (DIN 51519) 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 mm²/s**Maximum viscosity 100 mm²/s****Advised viscosity 46 mm²/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.

Advised filtration 15 microns - Contamination class 18/14 ISO 4406 (9 NAS 1638)

TEMPERATURA
TEMPERATURE

Temperatura ambiente - 20°C + 50°C

Ambient temperature - 20°C + 50°C

Temperatura olio - 20°C + 80°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 shown in the present catalogue have been made using mineral oil with

ISO VG 46 viscosity degree at the temperature of 40°C and a degree of absolute filtering of 15 micron

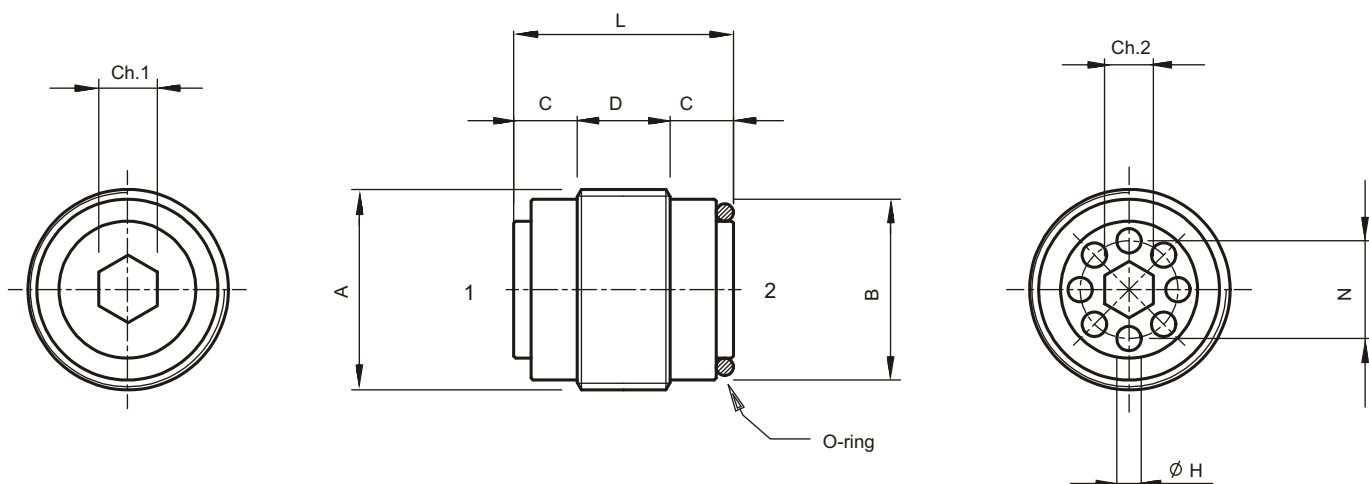
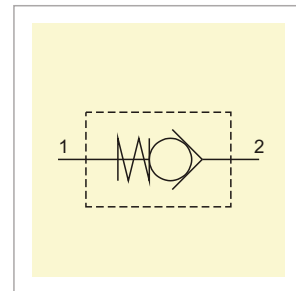
I dati presenti nel catalogo possono essere soggetti a variazioni, pertanto OLEOWEB si riserva il diritto di apporre modifiche in qualunque momento e senza alcun preavviso

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



Le valvole unidirezionali ad incasso VUI permettono il passaggio libero dell'olio in un senso e lo bloccano nel senso opposto. La tenuta è garantita da una sfera.

VUI cartridge check valves allow oil passing through one way only and stop it on the opposite way. Sealing is granted by a ball.



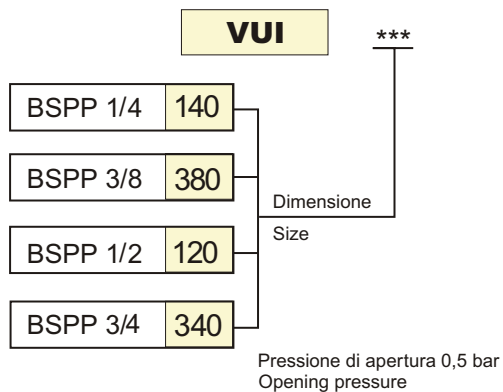
Caratteristiche tecniche

Features

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	B	C	D	H	L	N	Ch1	Ch2	O-ring	Coppia di Serraggio Tightening torque Nm	Peso Weight Kg
VUI 140	BSPP 1/4	20	350	11,3	5,5	6	1,3	17	6	3	3	9x1	6	0,012
VUI 380	BSPP 3/8	30		24	5,5	7,5	2	18,5	7,5	4	3	10,8x1,78	6	0,020
VUI 120	BSPP 1/2	50		18,5	7	8,5	2,5	22,5	10	6	5	14x1,78	10	0,036
VUI 340	BSPP 3/4	80		24	7,5	13,5	3,25	28,5	14	8	8	18,7x2,62	20	0,073

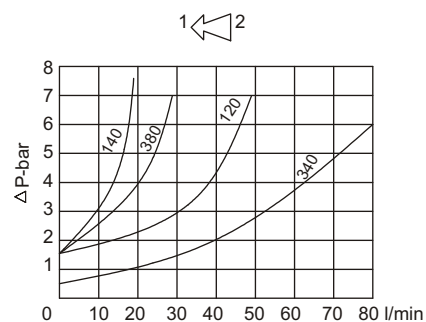
Codice di ordinazione

Ordering code



Perdite di carico

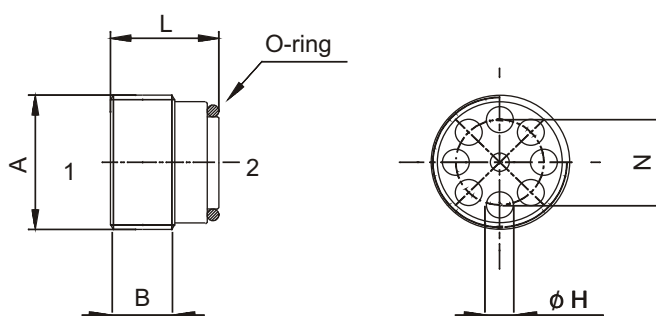
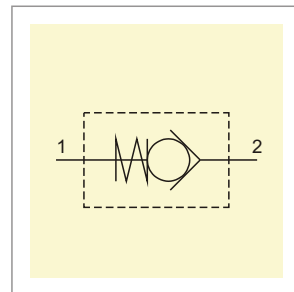
Pressure drops





Le valvole unidirezionali ad incasso VUP permettono il passaggio libero dell'olio in un senso e lo bloccano nel senso opposto. La tenuta è garantita da un disco rettificato.

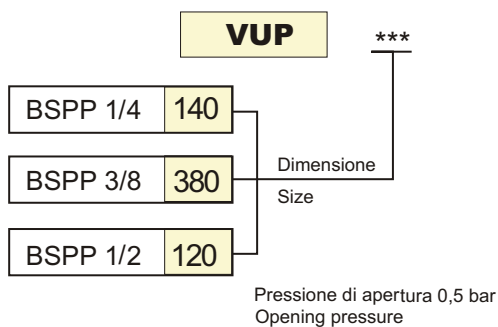
VUP cartridge check valves allow oil passing through one way only and stop it on the opposite way. Sealing is granted by a ground disk.



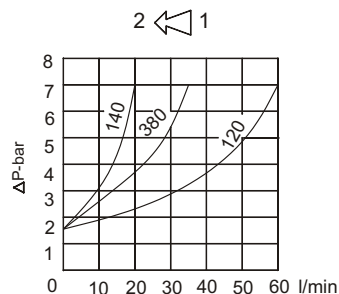
Caratteristiche tecniche
Features

Codice Code	A	Portata max max flow l/min	Pressione max Max pressure bar	Coppia di serraggio Tightening torque Nm	O-ring	B	N	Ø H	L	Peso Weight Kg
VUP140	BSPP 1/4	20	500	6	9x1	6	7	2	10,2	0,010
VUP380	BSPP 3/8	35	500	6	10,8x1,78	8	9,5	3	13,5	0,015
VUP120	BSPP 1/2	60	350	10	14x1,78	10	12	4	16	0,019

Codice di ordinazione
Ordering code



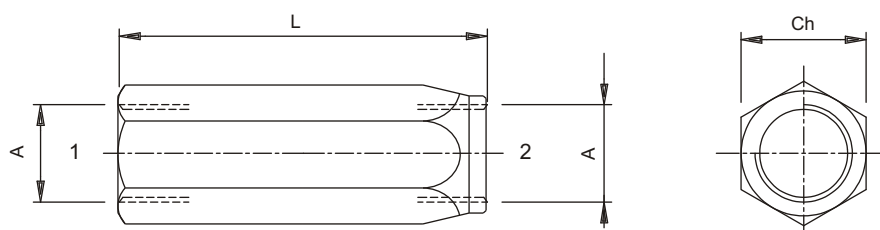
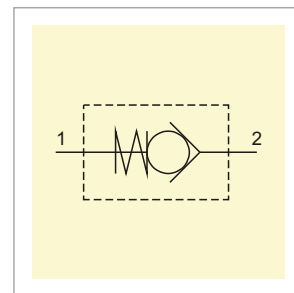
Perdite di carico
Pressure drops



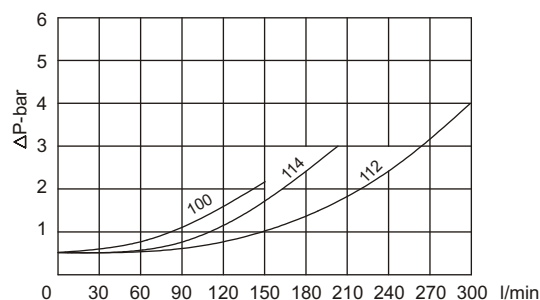
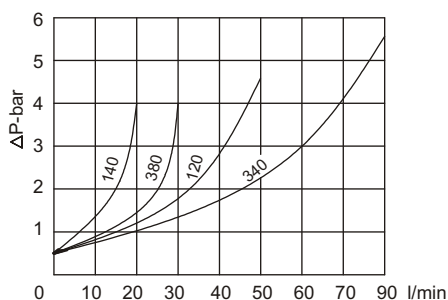


Le valvole unidirezionali VUR permettono il passaggio libero dell'olio in un senso e lo bloccano nel senso opposto

VUR check valves allow oil passing through one way only and stop it on the opposite way



Perdite di carico
Pressure drops



Codice di ordinazione
Ordering code

VUR

**

*

BSPP 1/4140

BSPP 3/8380

BSPP 1/2120

BSPP 3/4340

BSPP 1100

BSPP 1-1/4114

BSPP 1-1/2112

3/4-16 UNF3416

7/8-14 UNF7814

Dimensione
Size

Sfera-BallSF

Otturatore PoppetSP

Solo per VUR140-VUR380
Only for VUR140-VUR380

Molla nera 1 bar
Black spring (Standard)1

Molla gialla 3 bar
Yellow spring3

Molla rossa 6 bar
Red spring6

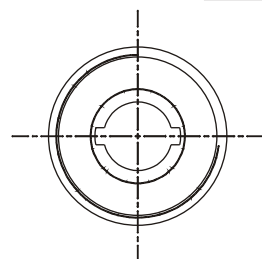
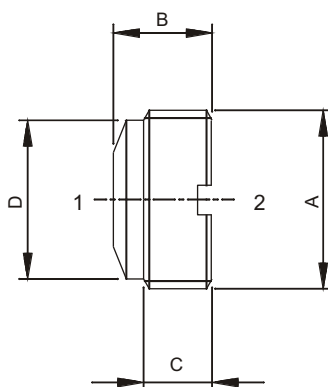
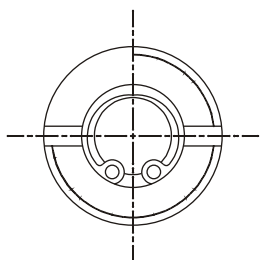
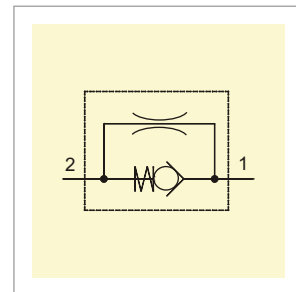
Caratteristiche tecniche
Features

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	L	Ch	Peso Weight Kg
VUR 140	BSPP 1/4	15	350	55	19	0,10
VUR 380	BSPP 3/8	30	350	65	27	0,18
VUR 120	BSPP 1/2	50	320	75	27	0,31
VUR 340	BSPP 3/4	90	300	86	35	0,45
VUR 100	BSPP 1	150	250	110	41	0,95
VUR 114	BSPP 1-1/4	200	250	123	55	1,49
VUR 112	BSPP 1-1/2	300	210	138	65	2,40
VUR3416	3/4-16 UNF	30	350	65	27	0,18
VUR7814	7/8-14 UNF	50	320	75	27	0,31

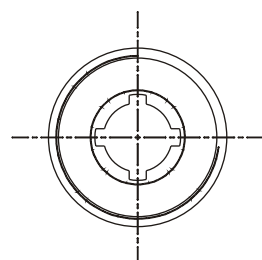


Le valvole unidirezionali ad incasso VS permettono il passaggio libero dell'olio in un senso ed il trafilamento nel senso opposto

VS embedded check valves allow oil passing through one way and leakage on the opposite way



2 Tagli
2 Gaps

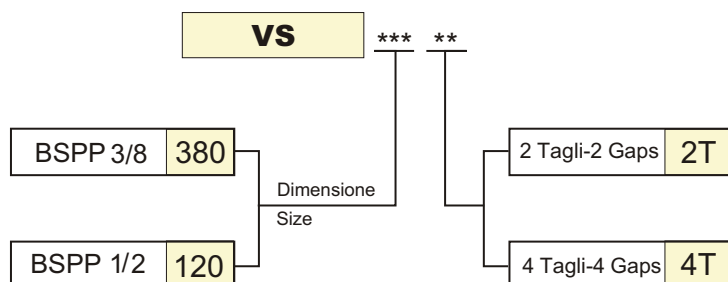


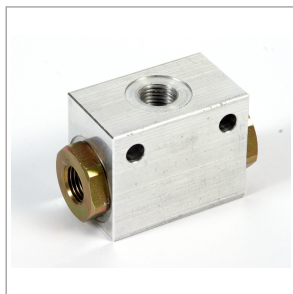
4 Tagli
4 Gaps

Caratteristiche tecniche
Features

Codice Code	A	Portata max Max flow l/min	Pressione max Max pressure bar	B	C	D	Peso Weight Kg
VS3802T	BSPP 3/8	35	500	10	6	14,5	0,008
VS3804T	BSPP 3/8	35	500	10	6	14,5	0,008
VS1202T	BSPP 1/2	60	350	11,5	8	18,3	
VS1204T	BSPP 1/2	60	350	11,5	8	18,3	

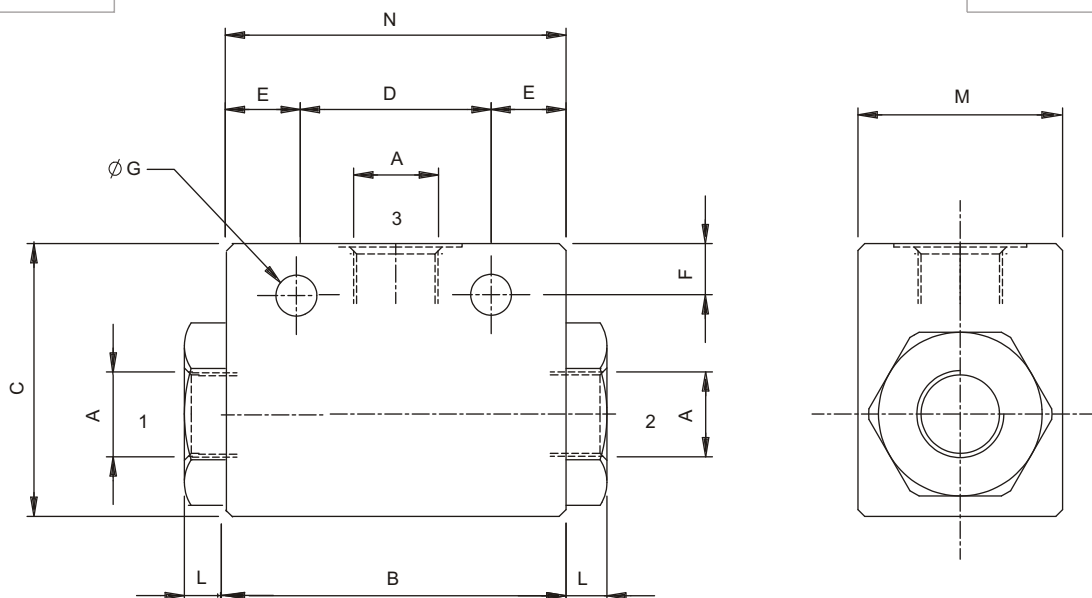
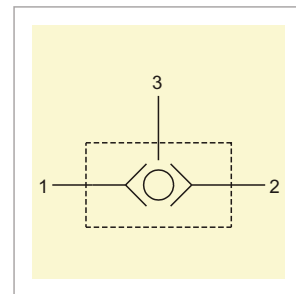
Codice di ordinazione
Ordering code





Le valvole selettrici VUSF vengono utilizzate quando convergono nella valvola due linee di pressione contemporaneamente (si blocca la linea a pressione più bassa) o separatamente

VUSF load shuttle ball valves are employed when two pressure lines converge inside the valve in the same time (the lower pressure line locks) or separately



Caratteristiche tecniche

Features

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	B	C	D	E	F	G	L	M	N	Peso Weight Kg
VUSF140	BSPP 1/4	20	210	50	40	28	11	8	7,5	6	30	62	0,21
VUSF380	BSPP 3/8	30		65	50	45	10	8	8	6,5	35	78	0,41
VUSF120	BSPP 1/2	60		80	60	60	10	10	10	7,5	40	95	0,67

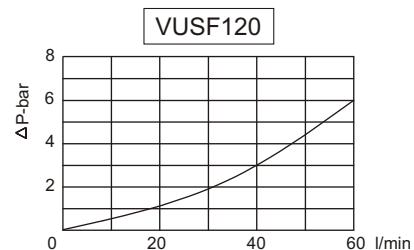
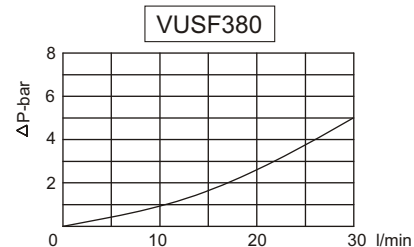
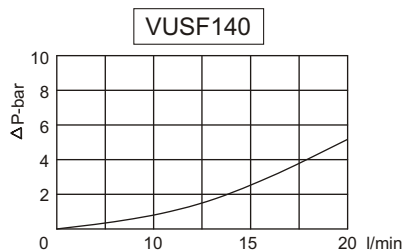
Codice di ordinazione

Ordering code

VUSF		***
BSPP 1/4	140	Dimensione Size
BSPP 3/8	380	
BSPP 1/2	120	

Perdite di carico

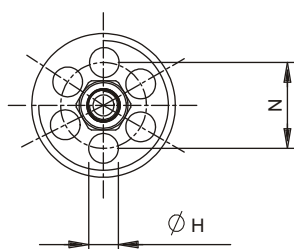
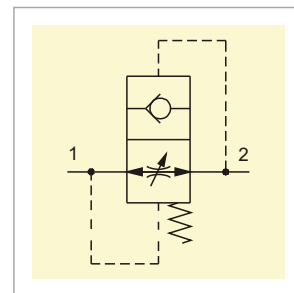
Pressure drops



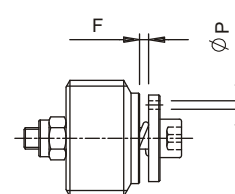
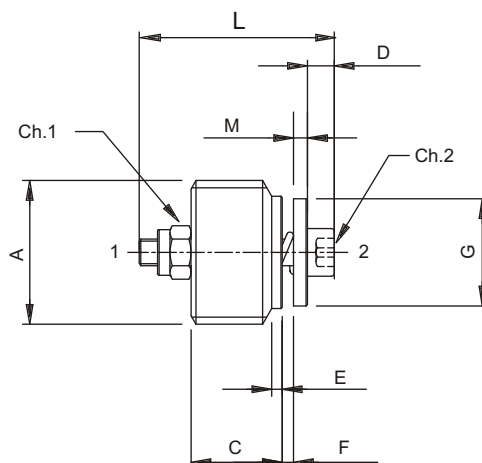


Le valvole unidirezionali registrabili VUBA vengono montate direttamente sul cilindro per evitare, nel caso di rottura del tubo, una discesa incontrollata del carico

VUBA adjustable check valves are mounted directly on the cylinder to avoid load uncontrolled descent in case of piping breakage. They are made of high resistance steel



Caratteristiche tecniche
Features



Regolazione "F" a richiesta
"F" setting on request

Foro su piattello a richiesta
Hole on flat poppet on request

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	C	D	E	G	H	L	M	N	Ch1	Ch2	Coppia di Serraggio Tightening torque Nm	Peso Weight Kg
VUBA 140	BSPP 1/4	25	350	8,2	3	1,2	10,4	2,5	19	1,4	8	5,5	2,5	2	0,007
VUBA 380	BSPP 3/8	50		11	3	1,5	12,7	3,25	23	2	10	5,5	2,5	3	0,013
VUBA 120	BSPP 1/2	80		13	4	1,5	15	4	29	2	11,5	7	3	4	0,024
VUBA 340	BSPP 3/4	150		18	4	1,5	18	5,2	34	2	14,5	7	3	10	0,047
VUBA 100	BSPP 1			20	5	2	26	7	40	4	19	8	4	12	0,10
VUBA 1215	M 12x1,5	15		8,4	3	1	10	1,6	19	1,4	7,5	5,5	2,5	2	0,007
VUBA 1415	M 14x1,5	25		11	3	1,5	11,5	2,5	23	2	9	5,5	2,5	3	0,012
VUBA 1615	M 16x1,5	50		11	3	1,5	12,7	3,25	23	2	10	5,5	2,5	3	0,013
VUBA 2215	M 22x1,5	80		13	4	1,5	15	4	29	2	11,5	7	3	4	0,024

Codice di ordinazione
Ordering code

VUBA

F *,*

P *,*

BSPP 1/4	140
BSPP 3/8	380
BSPP 1/2	120
BSPP 3/4	340
BSPP 1	100
M 12x1,5	1215
M 14x1,5	1415
M 16x1,5	1615
M 22x1,5	2215

Dimensione
Size

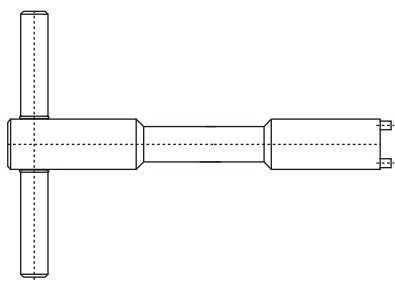
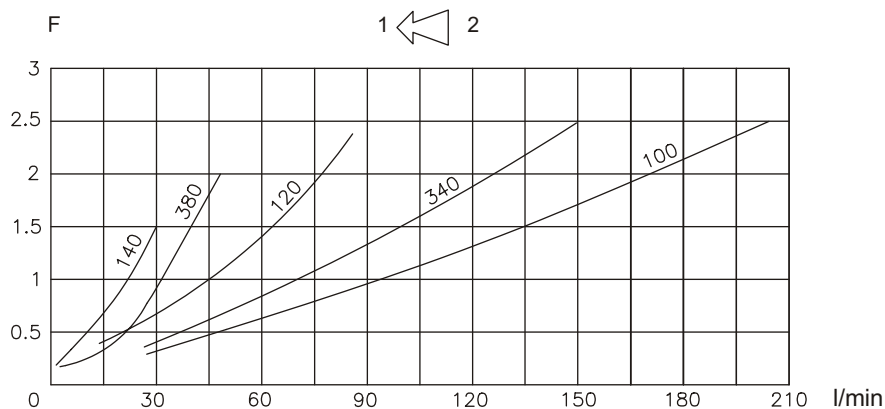
Foro sul piattello
Hole on flat poppet

Esempio : foro 1,5 mm - Example : hole of 1,5 mm
Codice-Code P1,5
Omettere se non richiesto-Omit if not required

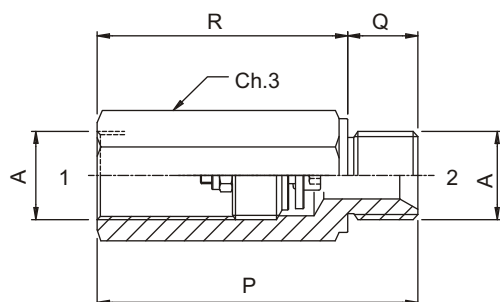
Regolazione
Setting

Esempio : regolazione 0,7 mm - Example : setting 0,7 mm
Codice-Code F0,7
Omettere se non richiesto-Omit if not required

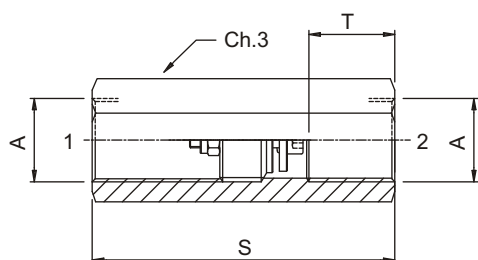
Regolazione "F" Setting



Codice chiave Tool code	Valvola Valve	Peso Weight Kg
61700001	VUBA140	0,12
61700002	VUBA380	0,13
61700003	VUBA120	0,15
61700004	VUBA340	0,13



Codice Code	A	R	P	Q	Ch3	Peso Weight Kg
61100087	BSPP 1/4	38	50	12	19	0,07
61100088	BSPP 3/8	45	58	12	25	0,09
61100089	BSPP 1/2	51	65	14	28	0,15
61100090	BSPP 3/4	61	78	17	35	0,23

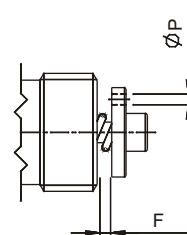
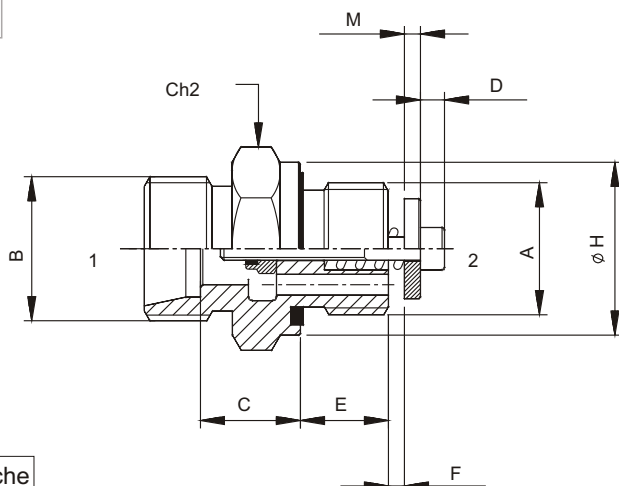
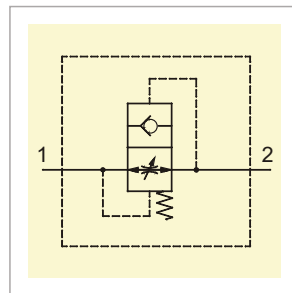


Codice Code	A	S	T	Ch3	Peso Weight Kg
61100092	BSPP 1/4	48	12	19	0,07
61100093	BSPP 3/8	52	12	25	0,09
61100094	BSPP 1/2	60	14	28	0,14
61100095	BSPP 3/4	74	16	35	0,22



Le valvole unidirezionali registrabili VUBA-DIN vengono montate direttamente sul cilindro per evitare, nel caso di rottura del tubo, una discesa incontrollata del carico. La valvola è stata realizzata direttamente sul raccordo DIN.

VUBA-DIN adjustable check valves are mounted directly on the cylinder to avoid load uncontrolled descent in case of piping breakage. They are made of high resistance steel. Manufactured directly on DIN fitting.



Regolazione "F" a richiesta
"F" setting on request

Foro su piattello a richiesta
Hole on flat poppet on request

Caratteristiche tecniche Features

Codice Code	A	Portata max Max flow l/min	Pressione max Max pressure bar	B	C	D	E	ϕ Tubo/Hose	H	M	Ch2	Peso Weight Kg
VUBA380T10	BSPP 3/8	50	315	M 16x1.5	12.5	3	11	12	21.6	2	22	0,035
VUBA380T12	BSPP 3/8	50	315	M 18x1.5	12.5	3	11	12	21.6	2	22	0,038
VUBA380T15	BSPP 3/8	50	315	M 22x1.5	13.5	3	11	15	21.6	2	24	0,040
VUBA120T15	BSPP 1/2	80	315	M 22x1.5	14	4	13	15	26.8	2	27	0,045

A	Coppia di serraggio max del raccordo Max tightening torque for the fitting
BSPP 3/8	70 Nm
BSPP 1/2	85 Nm

ϕ Hose	Coppia di serraggio max del tubo Max tightening torque for the hose
10	20 Nm
12	40 Nm
15	70 Nm

Codice di ordinazione Ordering code

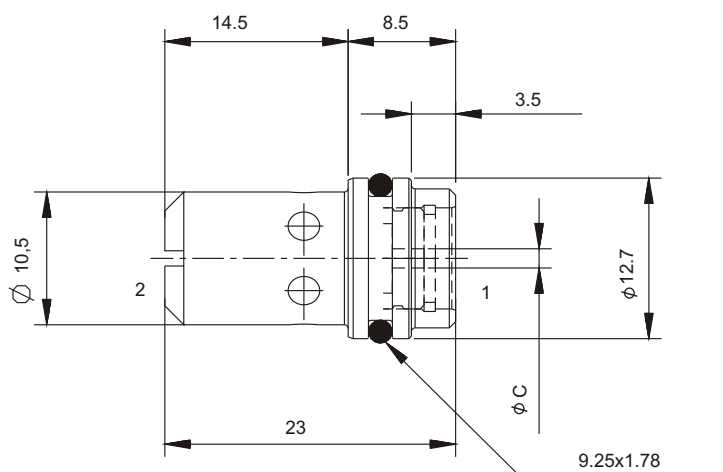
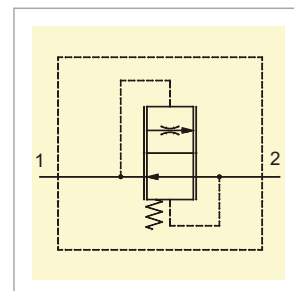
VUBA		***	***	F*,*	P*,*
BSPP 3/8	380	Dimensione Size			Foro sul piattello Hole on flat poppet
BSPP 1/2	120				
Per tubo d.10 For d.10 pipe	T10	Solo VUBA380 VUBA380 only		Regolazione Setting	Esempio : regolazione 0,7 mm - Example : setting 0,7 mm Codice-Code F0,7 Omettere se non richiesto-Omit if not required
Per tubo d.12 For d.12 pipe	T12				
Per tubo d.15 For d.15 pipe	T15				

Esempio : foro 1,5 mm - Example : hole of 1,5 mm
Codice-Code P1,5
Omettere se non richiesto-Omit if not required



Le valvole di controllo discesa compensate fisse VSCR6 vengono utilizzate per mantenere costante la discesa di un carico, indipendentemente dalla pressione di lavoro e dal valore del carico.

VSCR6 fixed compensated load control valves keep the load descent constant without effect by working pressure and load value.



Caratteristiche tecniche

Portata max Max flow l/min	Pressione max Max pressure bar	Peso Weight Kg
12	250	0,015

Codice di ordinazione
*Ordering code***VSCR6**

*

Portata (Vedi tabella)
Flow (See table)

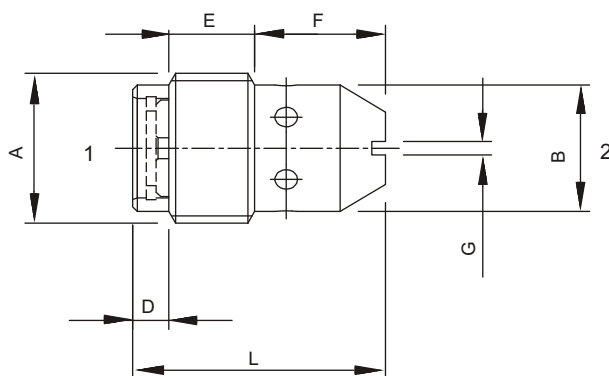
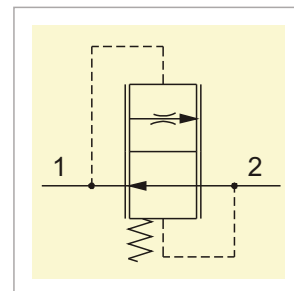
- | Senza foro
Without hole | |
|----------------------------|--|
| 0 | |
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |

ϕ C	Portata controllata a 100 bar $\pm$ 10% Controlled flow at 100 bar $\pm$ 10% L/min
0.8	1
1	2
1.25	3
1.5	4
1.75	5
2	6
2.5	7
2.75	8
3	9
3,5	10
3.75	11
4	12



Le valvole di controllo discesa compensate fisse VSC vengono utilizzate per mantenere costante la discesa di un carico, indipendentemente dalla pressione di lavoro e dal valore del carico

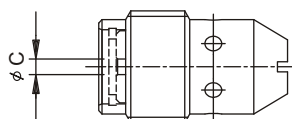
VSC fixed compensated load control valves keep the load descent constant, without effect by working pressure and load value.



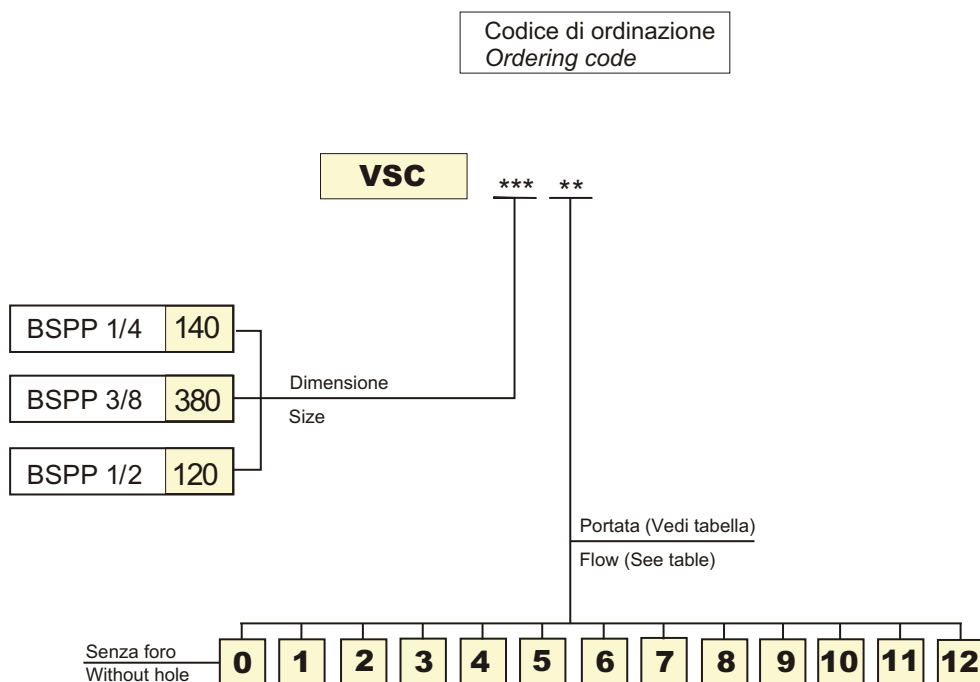
Caratteristiche tecniche
Features

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	B	D	E	F	L	G	Coppia di Serraggio Tightening torque Nm	Peso Weight Kg
VSC 140	BSPP 1/4	12	250	10,5	/	8	15	23	1,2	2	0,015
VSC 380	BSPP 3/8	18		13,5	/	10	15	25	1,5	3	0,022
VSC 120	BSPP 1/2	47	210	17	4,5	13	17,5	35	2	4	0,048

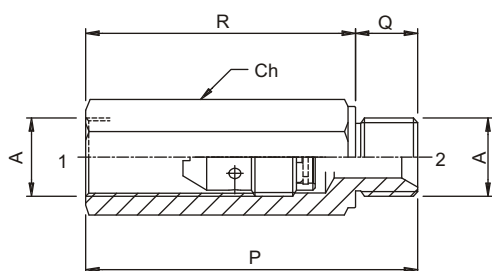
VSC 140	Portata controllata a 100 bar $\pm 10\%$ Controlled flow at 100 bar $\pm 10\%$ L/min
ϕC	
0.8	1
1	2
1.25	3
1.5	4
1.75	5
2	6
2.5	7
2.75	8
3	9
3.5	10
3.75	11
4	12



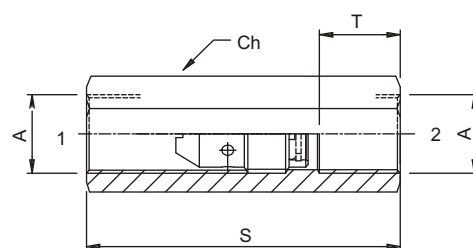
VSC 380	Portata controllata a 100 bar $\pm 10\%$ Controlled flow at 100 bar $\pm 10\%$ L/min	VSC 120	Portata controllata a 100 bar $\pm 10\%$ Controlled flow at 100 bar $\pm 10\%$ L/min
ϕC		ϕC	
1.25	2	2.5	9
1.5	3	3	12
2	4	3.5	17
2.25	5	4	21
2.5	6	4.5	27
3	9	5	32
3.5	12	5.5	40
4	18	6	47



Colonnette per VSC
Housings for VSC



Codice Code	A	R	P	Q	Ch	Peso Weight Kg
61100031	1/4	43	54	11	19	0,09
61100032	3/8	45	58	13	22	0,12
61100033	1/2	62	76	14	27	0,17

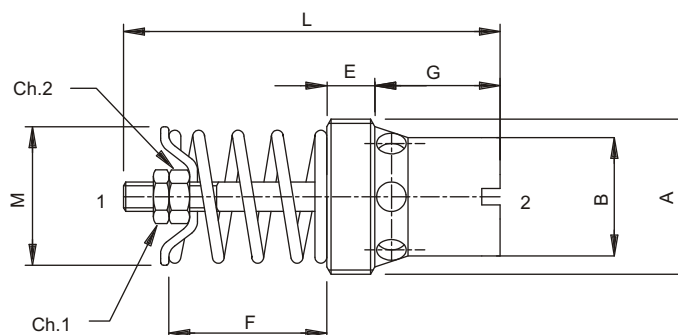
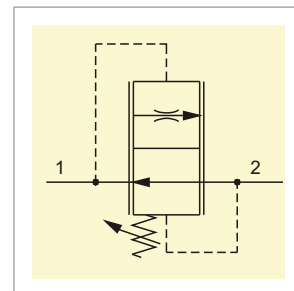


Codice Code	A	S	T	Ch	Peso Weight Kg
61100034	1/4	51	13	19	0,08
61100035	3/8	56	14	22	0,10
61100036	1/2	69	15	27	0,15



Le valvole di controllo discesa compensate regolabili VRD vengono utilizzate per mantenere costante la discesa di un carico, indipendentemente dalla pressione di lavoro e dal valvole del carico. La regolazione é consentita all'interno del campo di taratura

VRD adjustable compensated load control valves keep the load descent constant, without effect by working pressure and load valve. Adjustment is allowed inside the setting range.



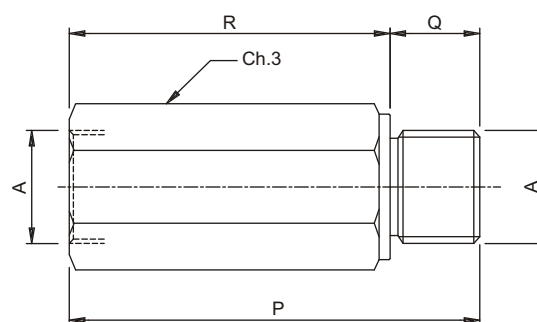
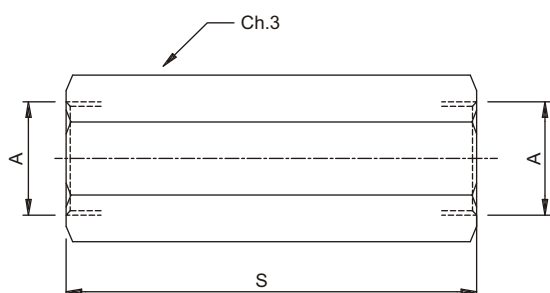
Caratteristiche tecniche

Features

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	B	E	G	L	M	Ch1	Ch2	Coppia di Serraggio Tightening torque Nm	Peso Weight Kg
VRD 140	BSPP 1/4	15	300	10	6	13,5	39	10	5,5	5,5	6	0,013
VRD 380	BSPP 3/8	35		12,5	5	15,5	45	14	6	7	8	0,024
VRD 120	BSPP 1/2	65		16	7	16	51	18	6	7	12	0,037
VRD 340	BSPP 3/4	150		20	10	21	62	23	6	7	15	0,070
VRD 100	BSPP 1	250	250	26	14,5	26	82	28,5	8	8	20	0,150

Colonnette per VRD

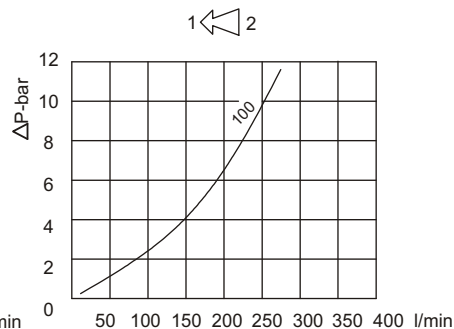
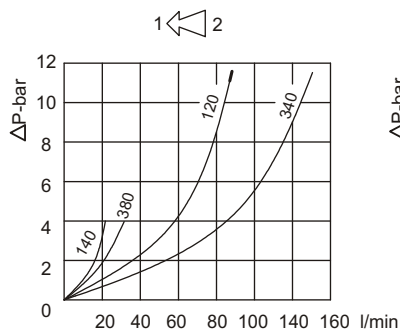
Housings for VRD



Codice Code	A	S	Ch3	Peso Weight Kg
61100051	1/4	66	19	0,11
61100052	3/8	73	22	0,12
61100053	1/2	81	27	0,20
61100054	3/4	99	32	0,29

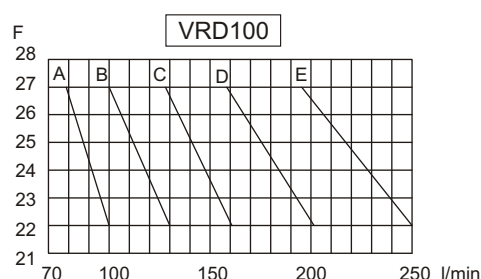
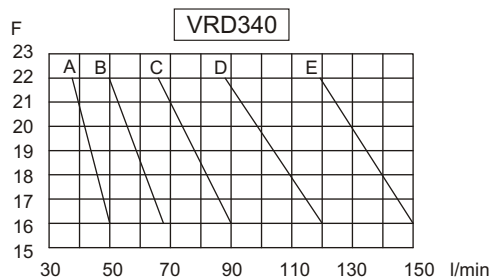
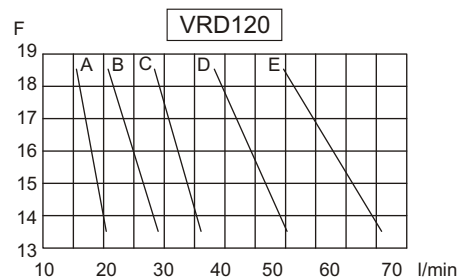
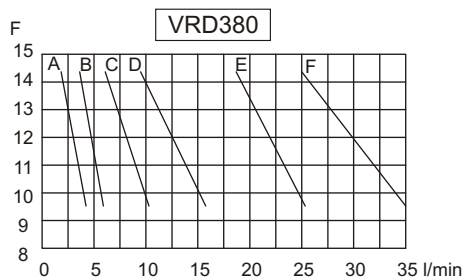
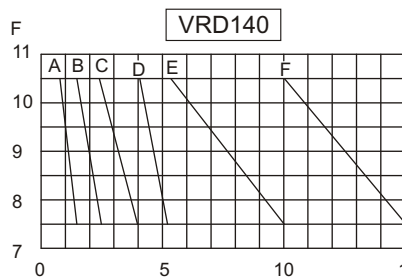
Codice Code	A	R	P	Q	Ch3	Peso Weight Kg
61100057	1/4	57	68	11	19	0,11
61100058	3/8	64	77	13	22	0,14
61100059	1/2	64	78	14	27	0,24
61100060	3/4	87	104	17	32	0,34

Regolazione " F "
Setting

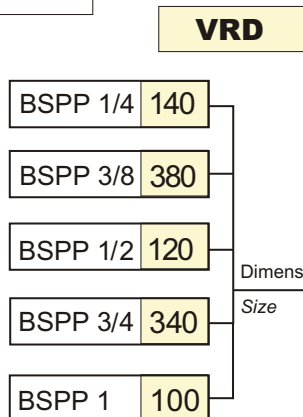


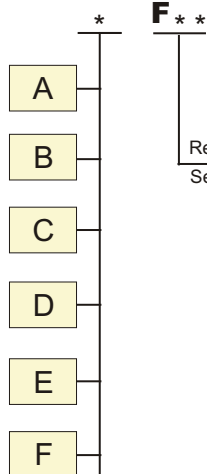
Campo di regolazione Flow range L/min						
	A	B	C	D	E	F
VRD 140	1-1,6	1,5-2,5	2,4-4	3,9-6,3	6,2-10	9,5-15
VRD 380	2,5-4	3,8-6,3	6,1-10	9,8-16	15,8-25	24,5-35
VRD 120	16-21	20,5-28	27,5-37	36,5-50	48-65	/
VRD 340	37-50	48-65	63-90	88-120	115-150	/
VRD 100	80-100	100-130	128-162	160-200	195-250	/

Perdite di carico
Pressure drops



Codice di ordinazione
Ordering code





Regolazione
Setting

Esempio : regolazione 15 mm - Example : setting 15 mm
Codice-Code F15

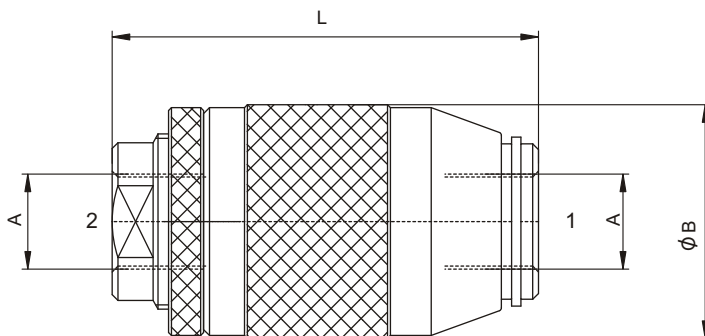
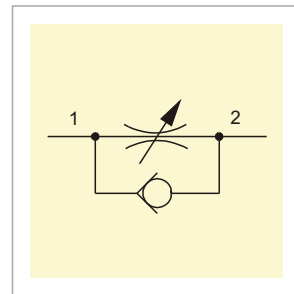
Campo di regolazione portata (Vedi tabella)

Flow setting range (see table)



Le valvole di controllo flusso unidirezionali VURF consentono la regolazione del flusso in un senso ed il passaggio libero nel senso opposto

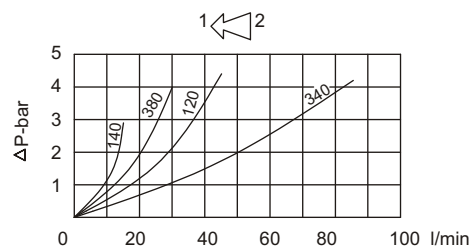
VURF flow control valves allow flow adjustment in one way and free passage in opposite direction



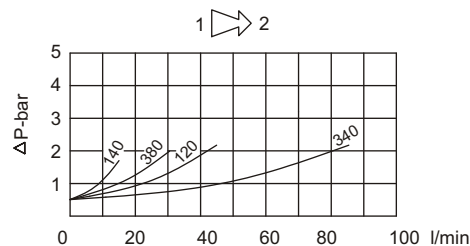
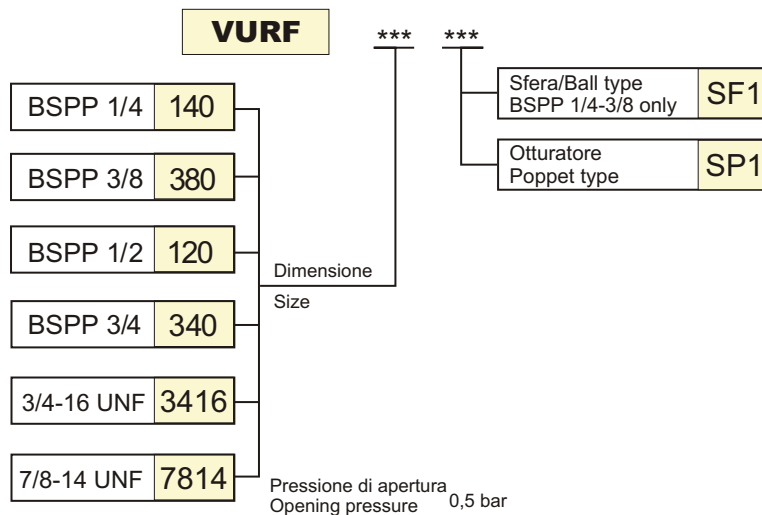
Caratteristiche tecniche
Features

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	B	L	Peso Weight Kg
VURF140	BSPP 1/4	15	350	34	62	0,23
VURF380	BSPP 3/8	30		40	73	0,42
VURF120	BSPP 1/2	45		45	83	0,66
VURF340	BSPP 3/4	85	300	54	102	1,12
VURF3416	3/4-16 UNF	30	350	40	73	0,42
VURF7814	7/8-14 UNF	45		45	83	0,66

Perdite di carico
Pressure drops



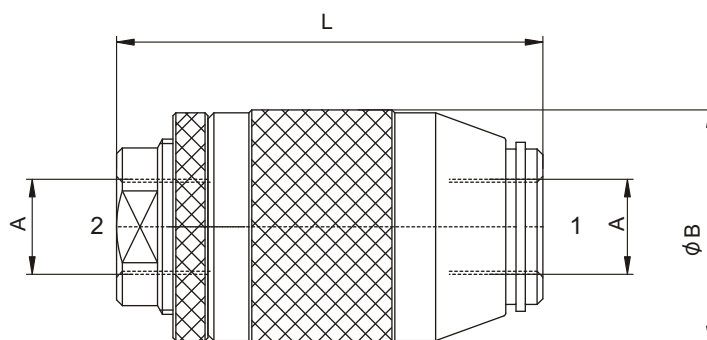
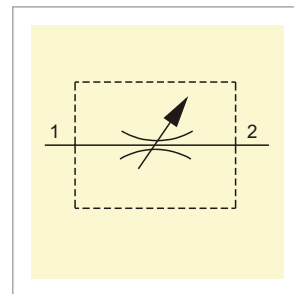
Codice di ordinazione
Ordering code





Le valvole di controllo flusso bidirezionali VBRF consentono la regolazione del flusso in entrambi i sensi

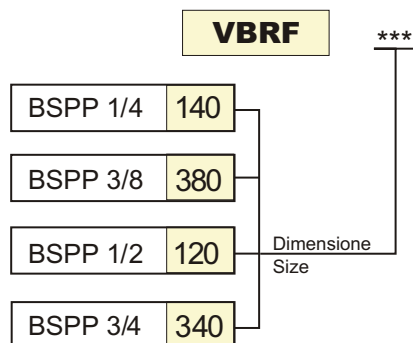
VBRF flow control valves allow flow adjustment in both directions



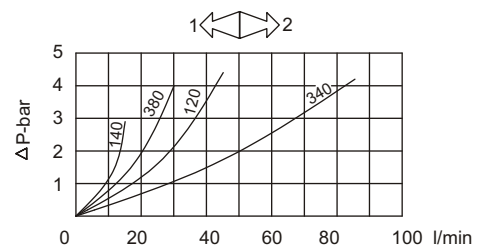
Caratteristiche tecniche
Features

Codice Code	A	Por tata Max Max flow l/min	Pressione Max Max pressure bar	B	L	Peso W eight Kg
VBRF140	BSPP 1/4	15	350	34	62	0,24
VBRF380	BSPP 3/8	30		40	73	0,41
VBRF120	BSPP 1/2	45		45	83	0,62
VBRF340	BSPP 3/4	85	300	54	102	1,10

Codice di ordinazione
Ordering code



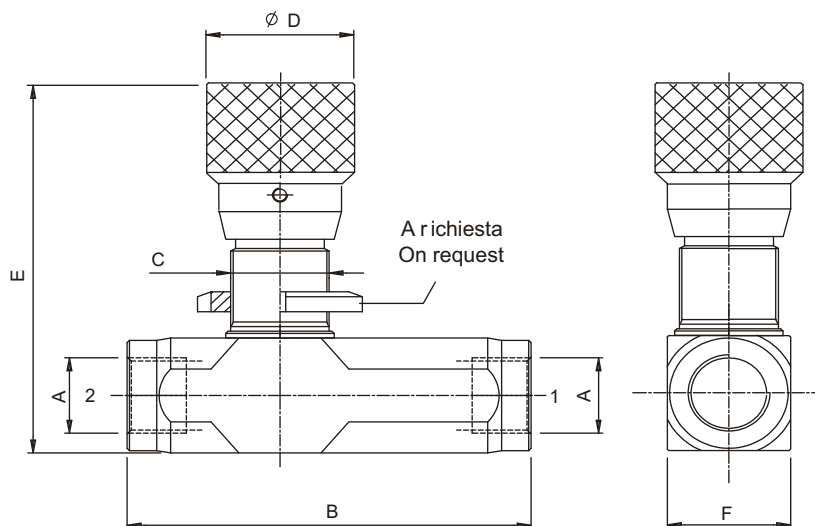
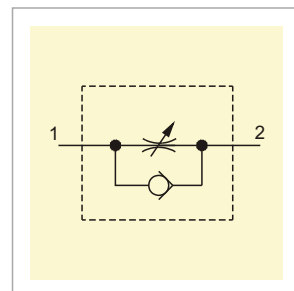
Perdite di carico
Pressure drops





Le valvole di controllo flusso unidirezionali VRFU consentono la regolazione del flusso in un senso ed il passaggio libero nel senso opposto

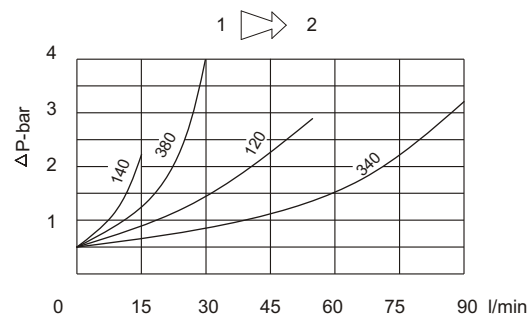
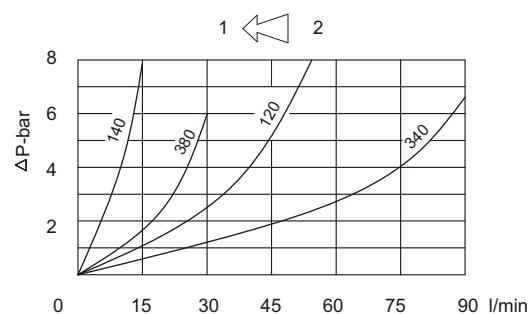
VRFU flow control valves allow flow adjustment in one direction and free passage in the opposite one



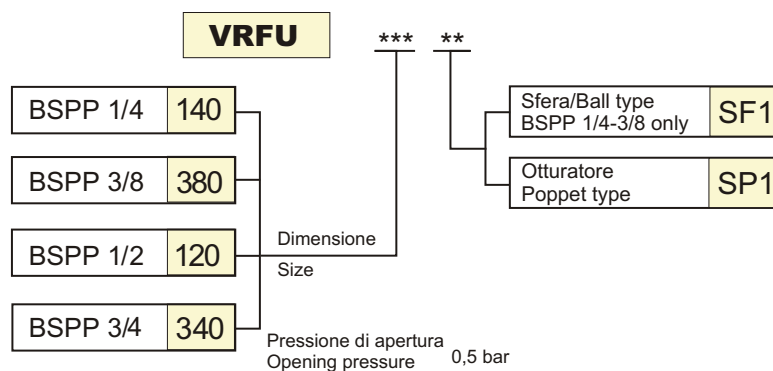
Caratteristiche tecniche
Features

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	B	C	D	E	F	Peso Weight Kg
VRFU140	BSPP 1/4	15	400	72	M20x1	30	80	25	0,43
VRFU380	BSPP 3/8	30		82	M20x1	30	80	25	0,40
VRFU120	BSPP 1/2	50		94	M25x1,5	33	84,5	30	0,75
VRFU340	BSPP 3/4	80		118	M35x1,5	42	116	40	1,43

Perdite di carico
Pressure drops



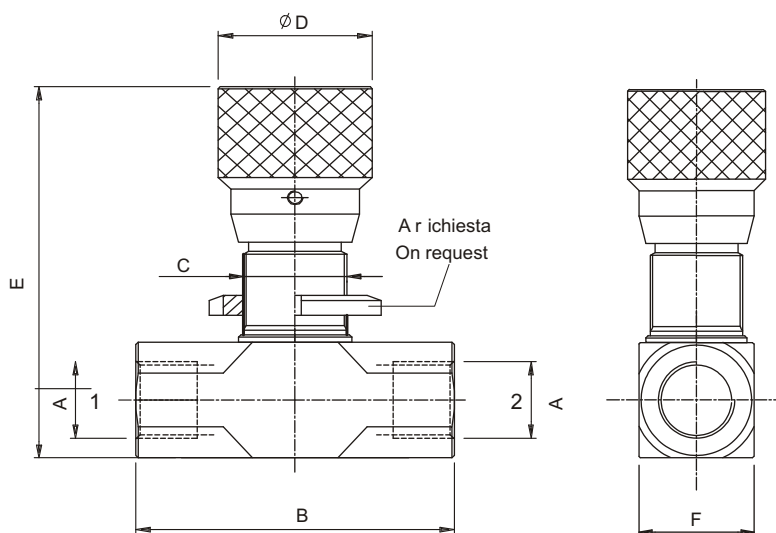
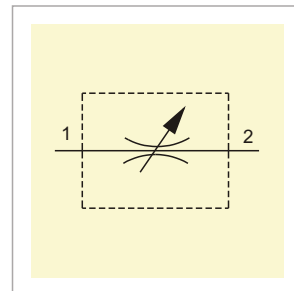
Codice di ordinazione
Ordering code





Le valvole di controllo flusso bidirezionali VRFB consentono la regolazione del flusso in entrambi i sensi

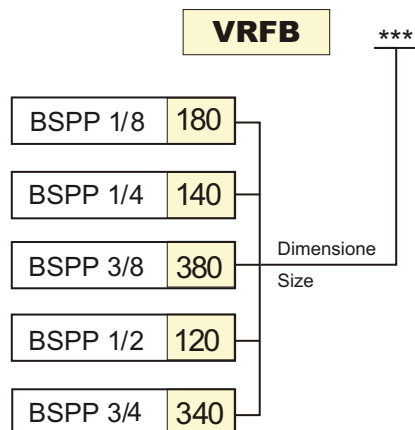
VRFB flow control valves allow flow adjustment in both directions



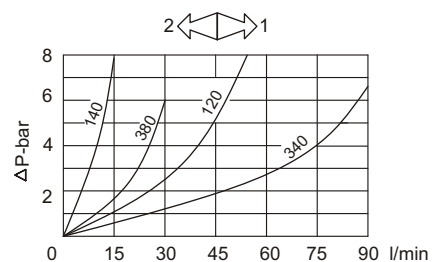
Caratteristiche tecniche
Features

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	B	C	D	E	F	Peso Weight Kg
VRFB180	BSPP 1/8	10	400	48	M14x1	20	60	20	0,18
VRFB140	BSPP 1/4	15		62	M20x1	30	80	25	0,40
VRFB380	BSPP 3/8	30		62	M20x1	30	80	25	0,36
VRFB120	BSPP 1/2	50		70	M25x1,5	33	84,5	30	0,70
VRFB340	BSPP 3/4	80		91	M35x1,5	42	116	40	1,20

Codice di ordinazione
Ordering code



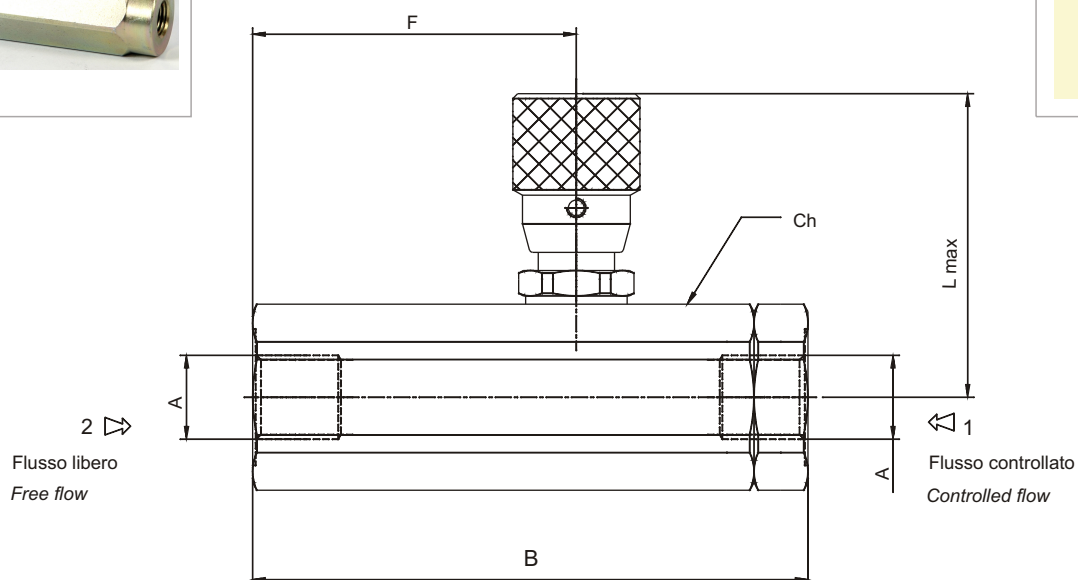
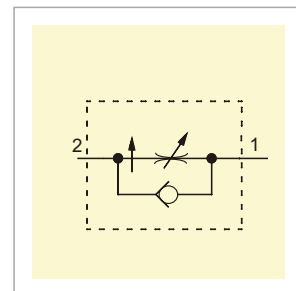
Perdite di carico
Pressure drops





Le valvole di controllo flusso compensate regolabili VRC, vengono utilizzate per mantenere il flusso costante.

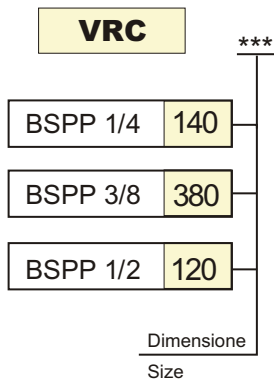
VRC compensated flow control valves allow to keep the flow constant



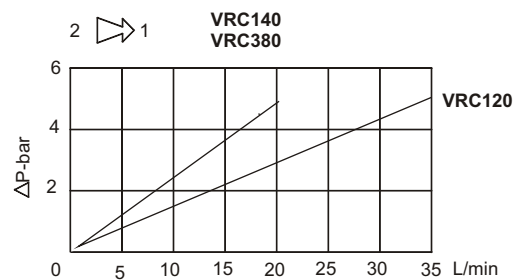
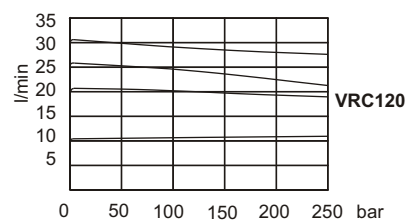
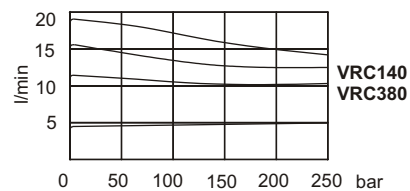
Caratteristiche tecniche
Features

Codice Code	A	B	F	L	Ch	Portata max max flow L/min	Pressione max Max pressure bar	Peso Weight Kg
VRC140	BSPP1/4	88	51	52	27	10	250	0.34
VRC380	BSPP3/8	88	51	52	27	18	250	0.32
VRC120	BSPP1/2	108	61	57	36	33	250	0.70

Codice di ordinazione
Ordering code



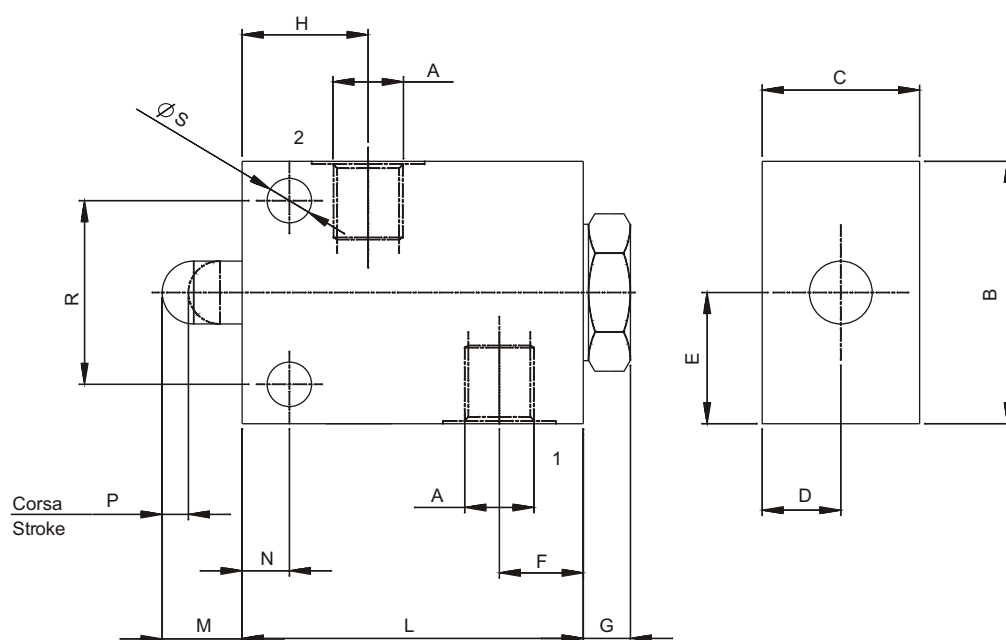
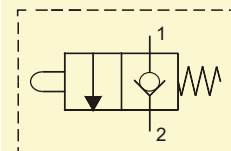
Perdite di carico
Pressure drops





Le valvole di fine corsa FCM sono montate in derivazione sulla linea di pressione.
Sono utilizzate per mettere a scarico la portata dell'olio ogni volta che si aziona lo spintone.

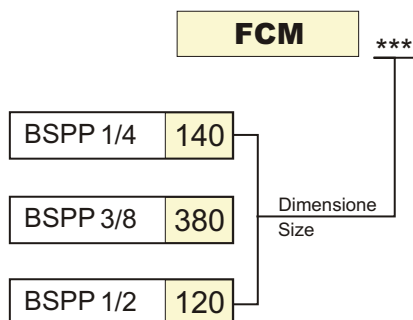
*FCM end-stroke valves are mounted on derivation from pressure line.
They are meant to drain the oil flow every time the pin is pushed.*



Caratteristiche tecniche
Features

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	B	C	D	E	F	G	H	L	M	N	P	R	S	Peso Weight Kg
FCM140	BSPP 1/4	40	350	50	30	15	25	16	9	24	65	15	9	5	35	8,5	0,80
FCM380	BSPP 3/8																0,80
FCM120	BSPP 1/2	60	300	70	35	17,5	25	30,5	6,5	41	89	14,5	16	10	45	10,5	1,50

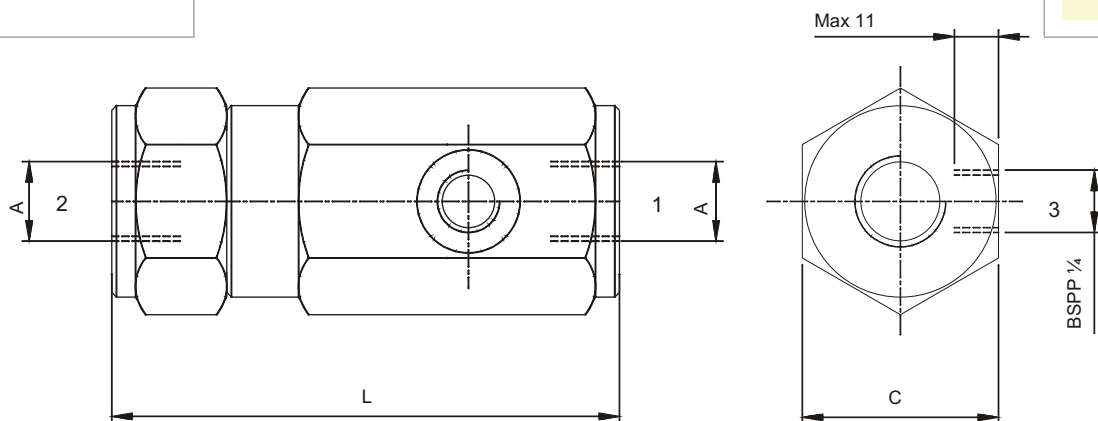
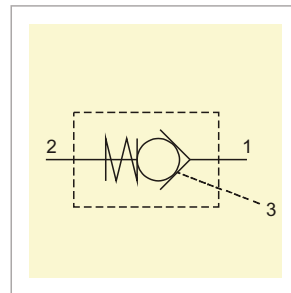
Codice di ordinazione
Ordering code





Le valvole di blocco VRPE vengono utilizzate per bloccare un cilindro a semplice effetto

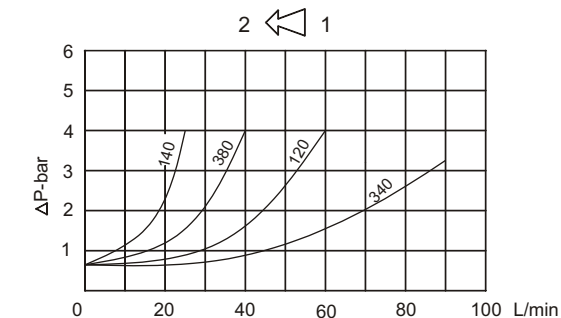
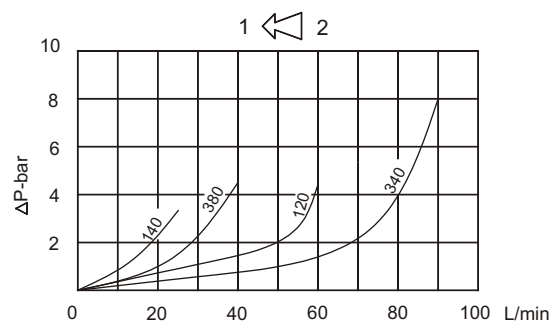
VRPE single acting pilot check valves lock a single acting cylinder



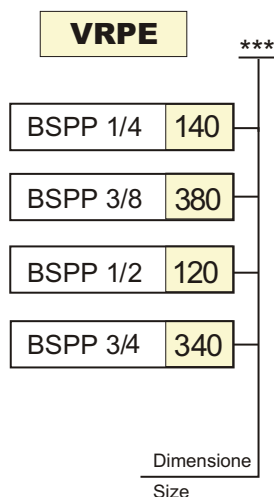
Caratteristiche tecniche
Features

Codice Code	A	Portata max Max flow l/min	Pressione max Max pressure bar	L	C	Rapporto di pilotaggio Pilot ratio	Pressione di apertura Opening pressure bar	Peso Weight Kg
VRPE140	BSPP 1/4	25	350	100	36	1:5	0,5	0,75
VRPE380	BSPP 3/8	40	350	105	41	1:4,4	0,5	1
VRPE120	BSPP 1/2	60	350	125	41	1:4,2	0,5	1,1
VRPE340	BSPP 3/4	90	300	130	55	1:4	0,5	2

Perdite di carico
Pressure drops



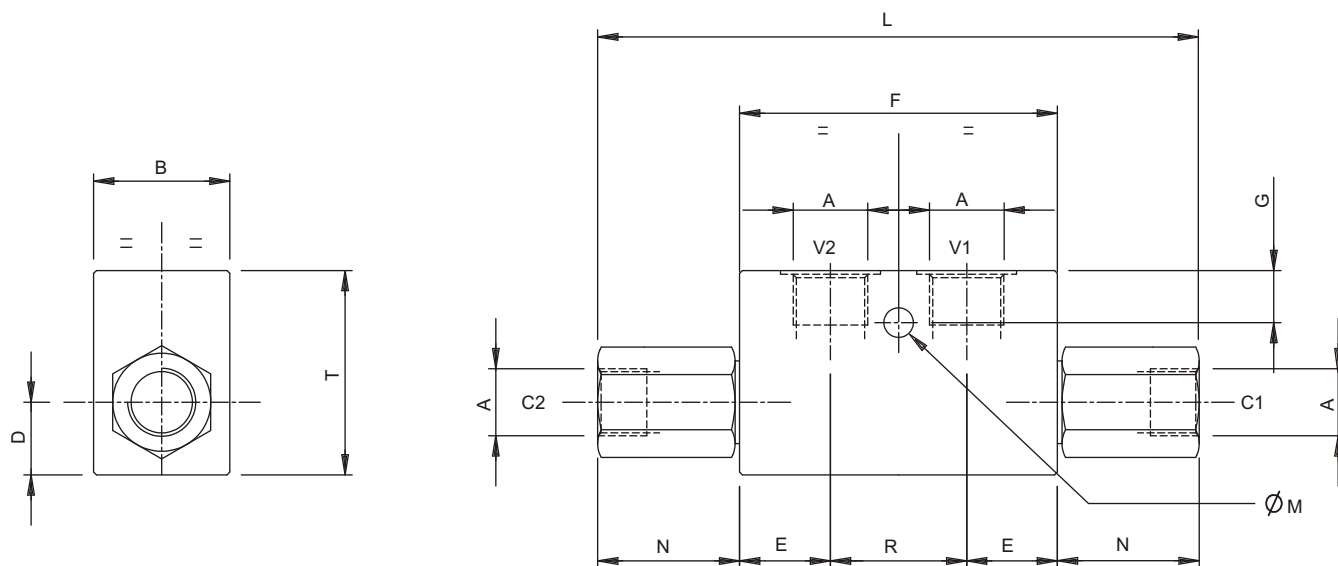
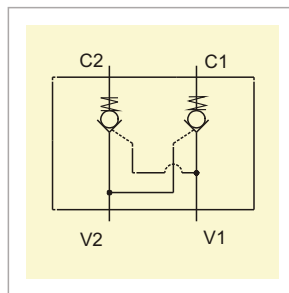
Codice di ordinazione
Ordering code





Le valvole di blocco VRDE vengono utilizzate per bloccare un cilindro a doppio effetto

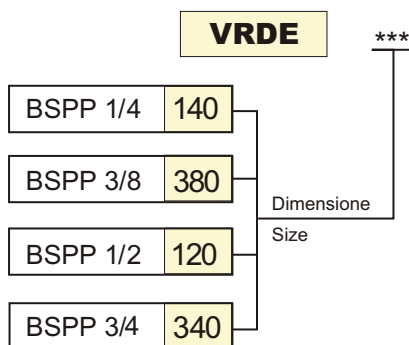
VRDE double acting pilot check valves lock a double acting cylinder



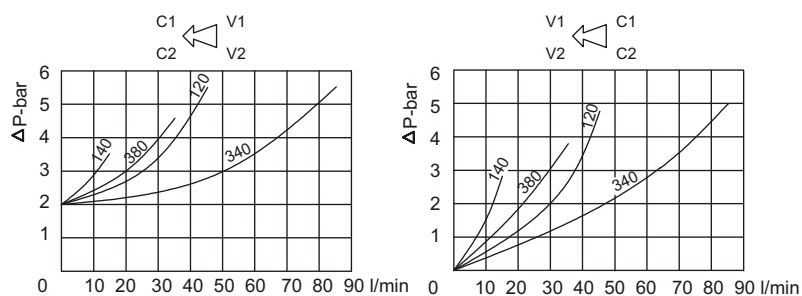
Caratteristiche tecniche
Features

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	B	D	E	F	G	L	M	N	R	T	Rapporto di pilotaggio Pilot ratio	Peso Weight Kg
VRDE 140	BSPP 1/4	15	320	30	14	17,5	63	8	106	5,5	21,5	28	40	1:4 on request 1:9	0,63
VRDE 380	BSPP 3/8	35		30	14	16	67	7	110	7	21,5	35	40	1:4	0,64
VRDE 120	BSPP 1/2	45	300	35	16	21	80	15	144	6,5	32	38	50	1:4	1,06
VRDE 340	BSPP 3/4	70		40	22	25	100	15	183	8,5	41,5	50	60	1:2,9	1,25

Codice di ordinazione
Ordering code



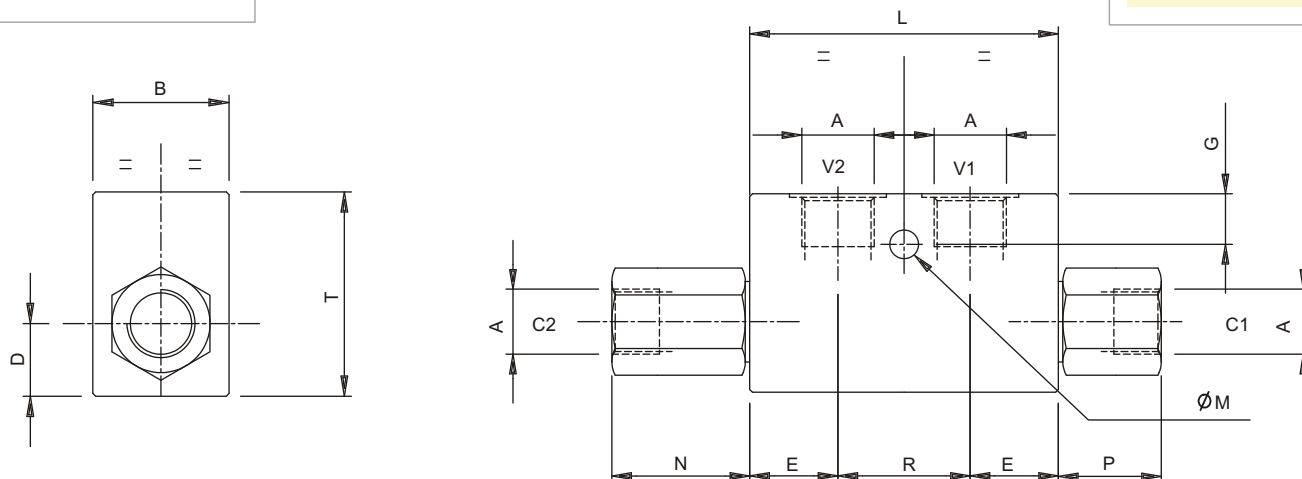
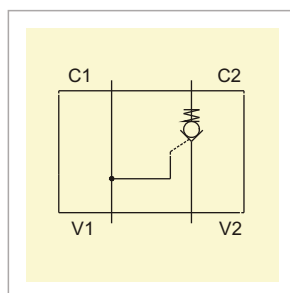
Perdite di carico
Pressure drops





Le valvole di blocco VRSE vengono utilizzate per bloccare un cilindro a semplice effetto

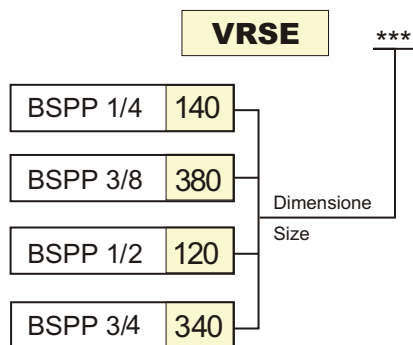
VRSE single acting pilot check valves lock a single acting cylinder



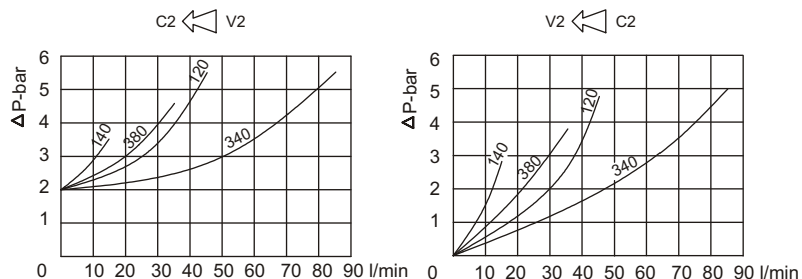
Caratteristiche tecniche
Features

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	B	D	E	G	L	M	N	P	R	T	Rapporto di pilotaggio Pilot ratio	Peso Weight Kg
VRSE 140	BSPP 1/4	15	320	30	12	16	13	60	6,5	28	22	28	40	1:4 on request 1:9	0,61
VRSE 380	BSPP 3/8	35		35	15	16	15	70	6,5	29	23	38	50		
VRSE 120	BSPP 1/2	45	300	35	16	21	15	80	6,5	33	26	38	50	1:4	1,04
VRSE 340	BSPP 3/4	70		40	21	25	15	100	8,5	42	32	50	60	1:2,9	1,23

Codice di ordinazione
Ordering code



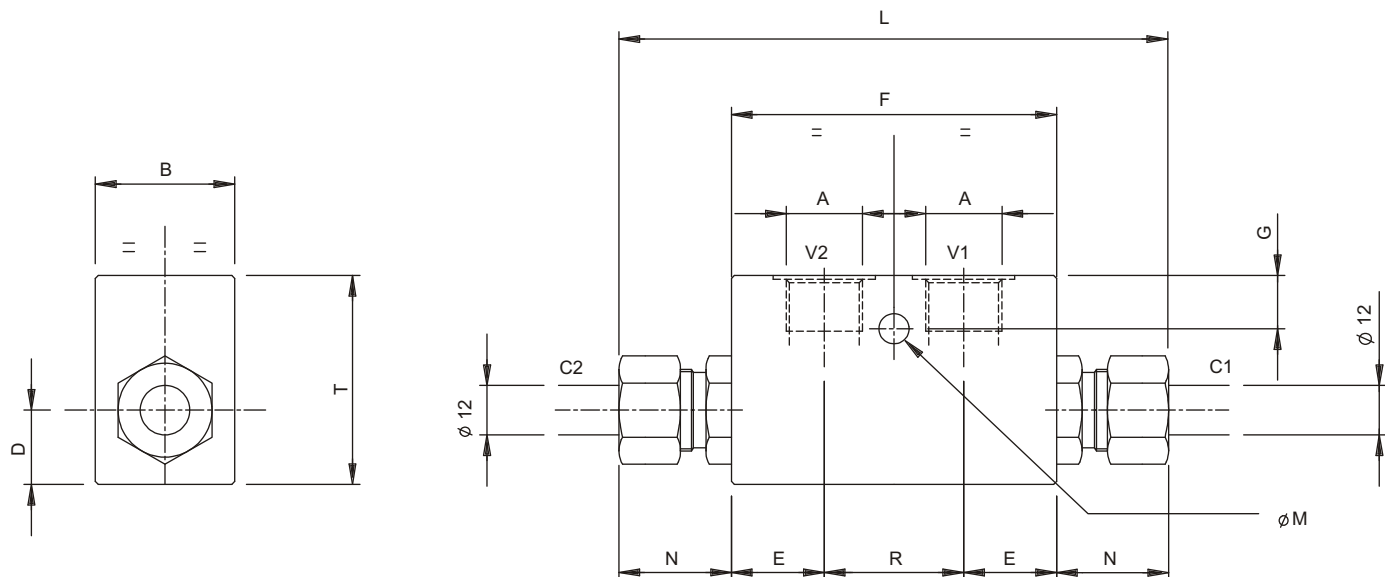
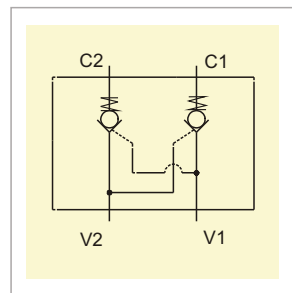
Perdite di carico
Pressure drops





Le valvole di blocco VRDD per tubo 12 vengono utilizzate per bloccare un cilindro a doppio effetto

VRDD check valves for D.12 pipe lock a double acting cylinder



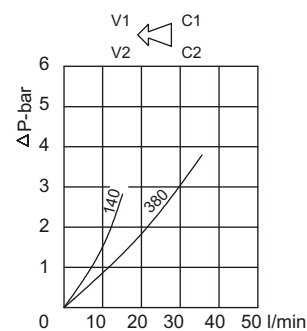
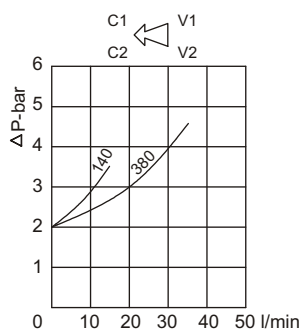
Caratteristiche tecniche
Features

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	B	D	E	F	G	L	M	N	R	T	Rapporto di pilotaggio Pilot ratio	Peso Weight Kg
VRDD 140	BSPP 1/4	15	320	30	14	17,5	63	8	123	5,5	30	28	40	1:4	0,62
VRDD 380	BSPP 3/8	35		30	14	16	67	7	127	7	30	35	40	1:4	0,63

Codice di ordinazione
Ordering code

VRDD		***
BSPP 1/4	140	Dimensione Size
BSPP 3/8	380	

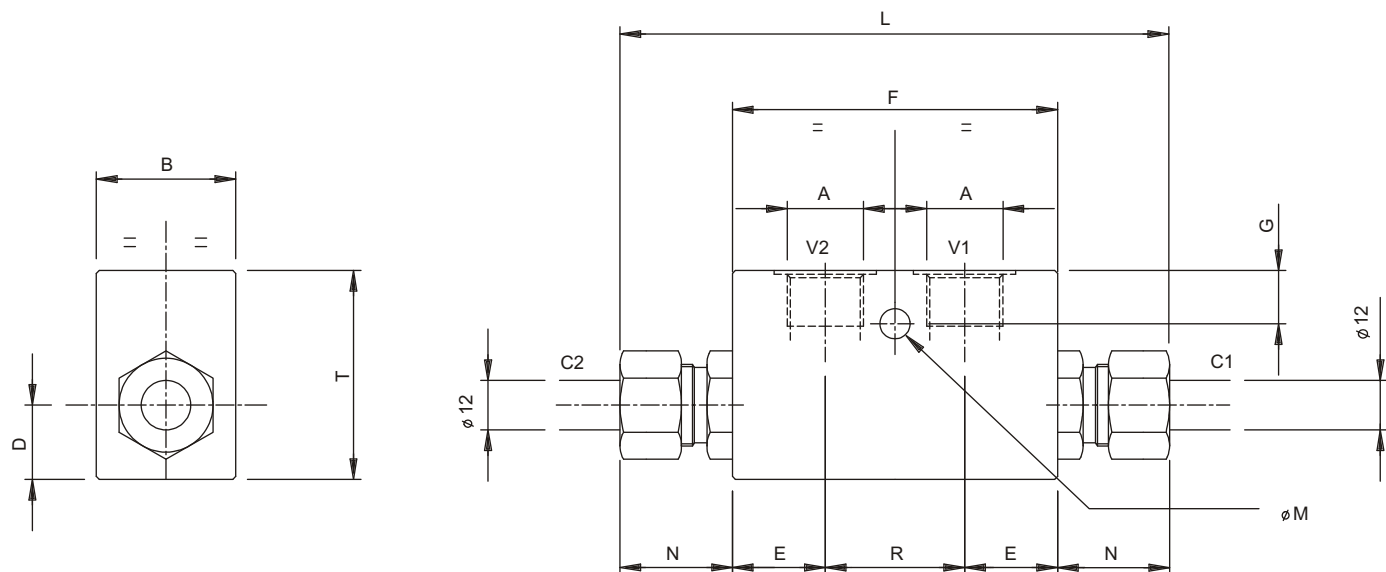
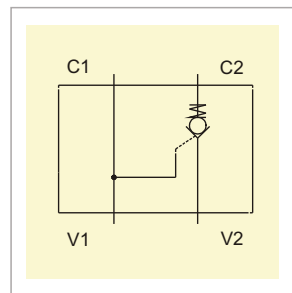
Perdite di carico
Pressure drops





Le valvole di blocco VRSD per tubo 12 vengono utilizzate per bloccare un cilindro a semplice effetto

VRSD check valves for D.12 pipe lock a single acting cylinder



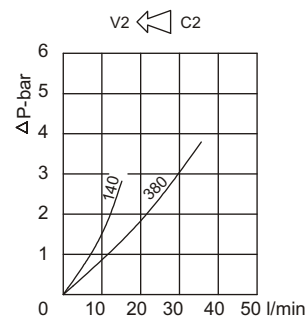
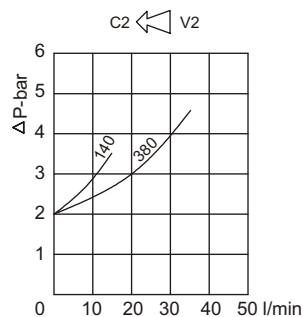
Caratteristiche tecniche
Features

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	B	D	E	F	G	L	M	N	R	T	Rapporto di pilotaggio Pilot ratio	Peso Weight Kg
VRDD 140	BSPP 1/4	15	320	30	14	17,5	63	8	123	5,5	30	28	40	1:4	0,62
VRDD 380	BSPP 3/8	35		30	14	16	67	7	127	7	30	35	40	1:4	0,63

Codice di ordinazione
Ordering code

VRSD		***
BSPP 1/4	140	Dimensione Size
BSPP 3/8	380	

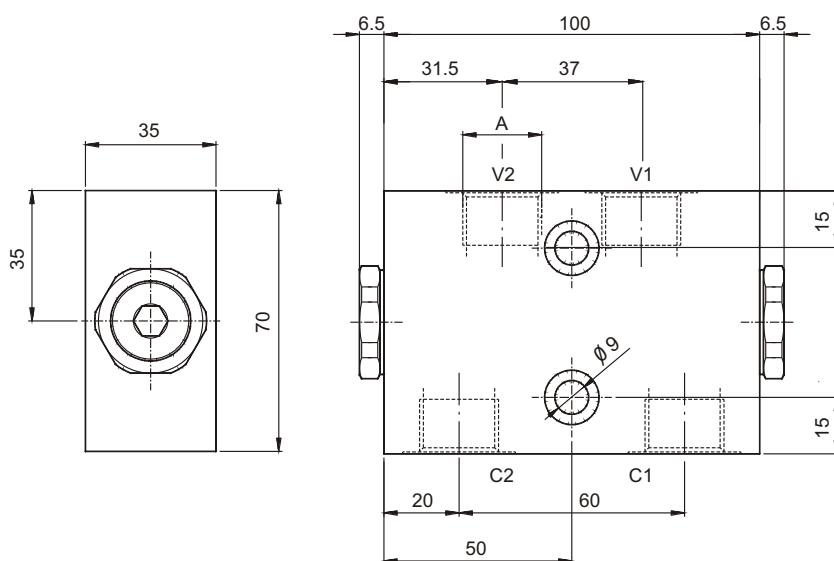
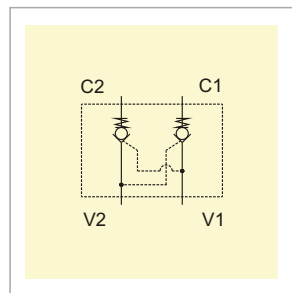
Perdite di carico
Pressure drops





Le valvole di blocco VRDL vengono utilizzate per bloccare un cilindro a doppio effetto

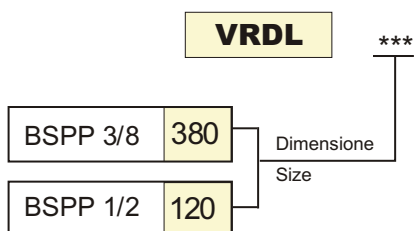
The VRDL double acting pilot check valves lock a double acting cylinder



Caratteristiche tecniche
Features

Codice Code	A	Portata max Max flow l/min	Pressione max Max pressure bar	Rapporto di pilotaggio Pilot ratio	Peso Weight Kg
VRDL380	BSPP 3/8	35	350	1:7.1	1,60
VRDL120	BSPP 1/2	45			1,60

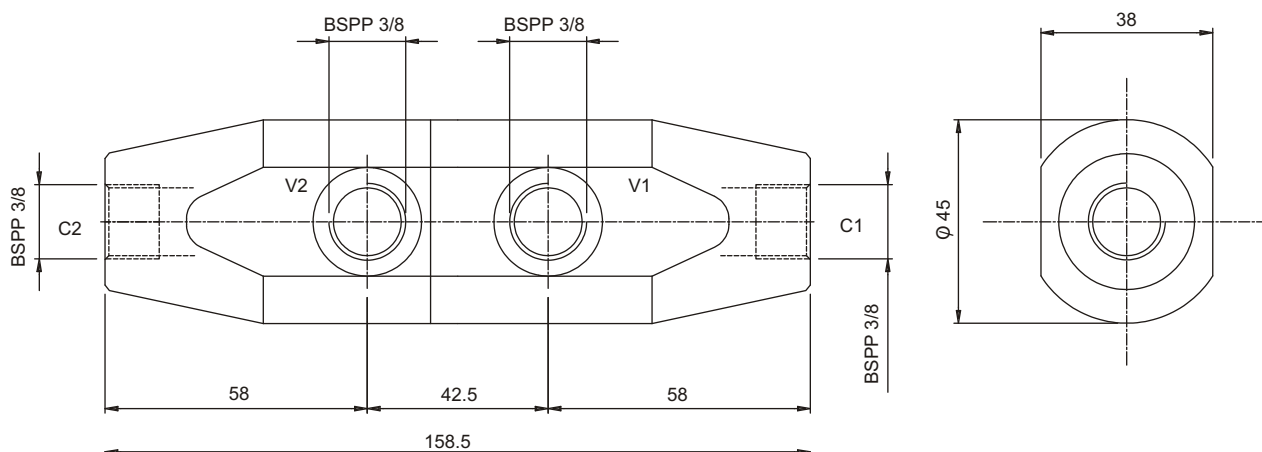
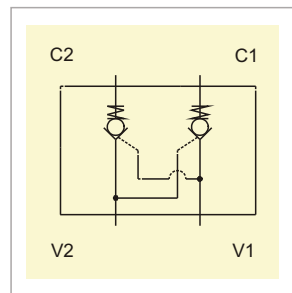
Codice di ordinazione
Ordering code





Le valvole di blocco VRDP vengono utilizzate per bloccare un cilindro a doppio effetto

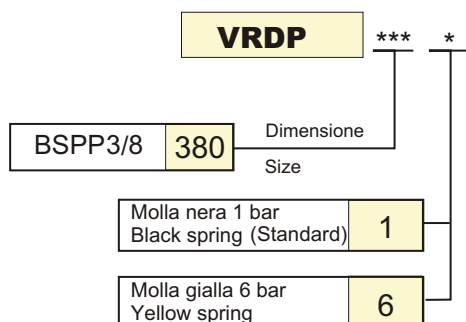
The VRDP double acting pilot check valves lock a double acting cylinder



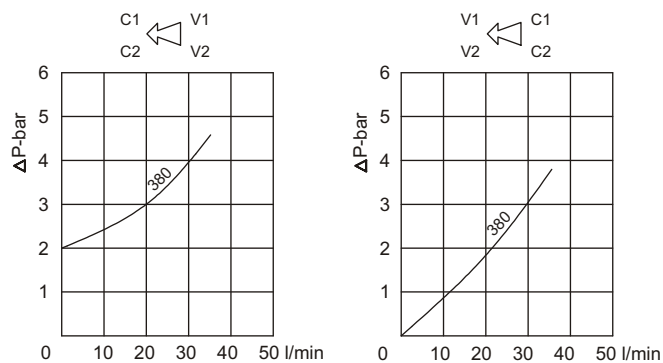
Caratteristiche tecniche
Features

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	Rapporto di pilotaggio Pilot ratio	Peso Weight Kg
VRDP380	BSPP 3/8	35	320	1:4	1,42

Codice di ordinazione
Ordering code



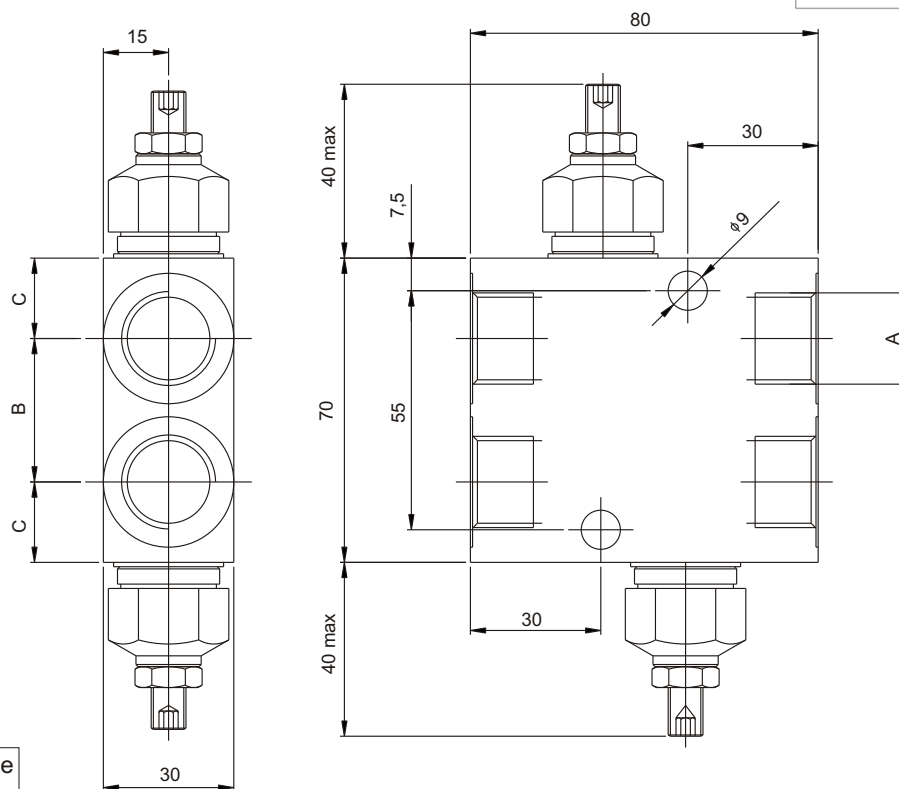
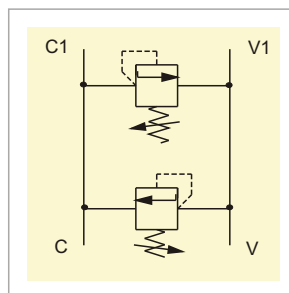
Perdite di carico
Pressure drops





Le valvole antiurto VBDC vengono tipicamente utilizzate per proteggere un motore o un cilindro idraulico da improvvisi picchi di pressione

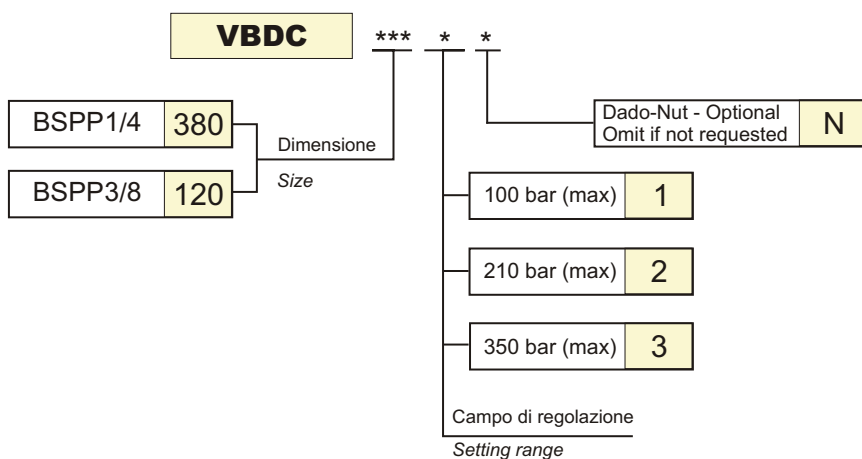
The double cross line direct acting relief valves type VBDC are typically used to protect a hydraulic motor or cylinder from load-induced pressure surges



Caratteristiche tecniche
Features

Codice Code	A	Valvola tipo Type of valve	Portata max Max flow l/min	Pressione max Max Pressure bar	C	B	Peso Weight Kg
VBDC380	BSPP 3/8	VMD40	40	350	21	28	1,110
VBDC120	BSPP1/2	VMD40	40		18,5	33	1,110

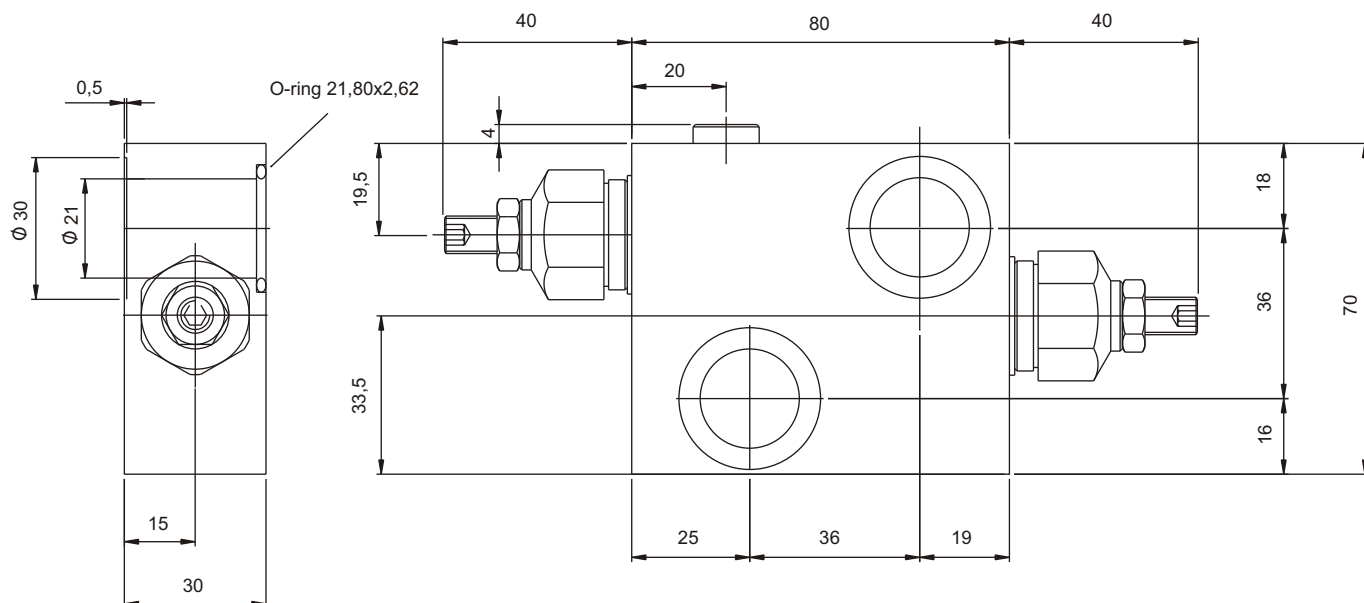
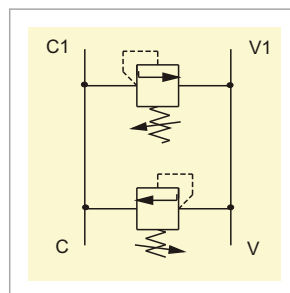
Codice di ordinazione
Ordering code





Le valvole antiurto DCV120 vengono tipicamente utilizzate per proteggere un motore o un cilindro idraulico da improvvisi picchi di pressione

The double cross line direct acting relief valves type DCV120 are typically used to protect a hydraulic motor or cylinder from load-induced pressure surges.

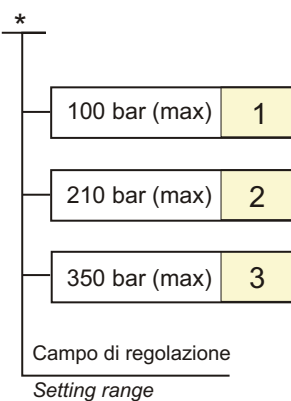


Caratteristiche tecniche Features

Codice Code	Valvola tipo Type of valve	Portata max Max flow l/min	Pressione max Max pressure bar	Peso Weight Kg
DCV120	VMD40	40	350	1,2

Codice di ordinazione Ordering code

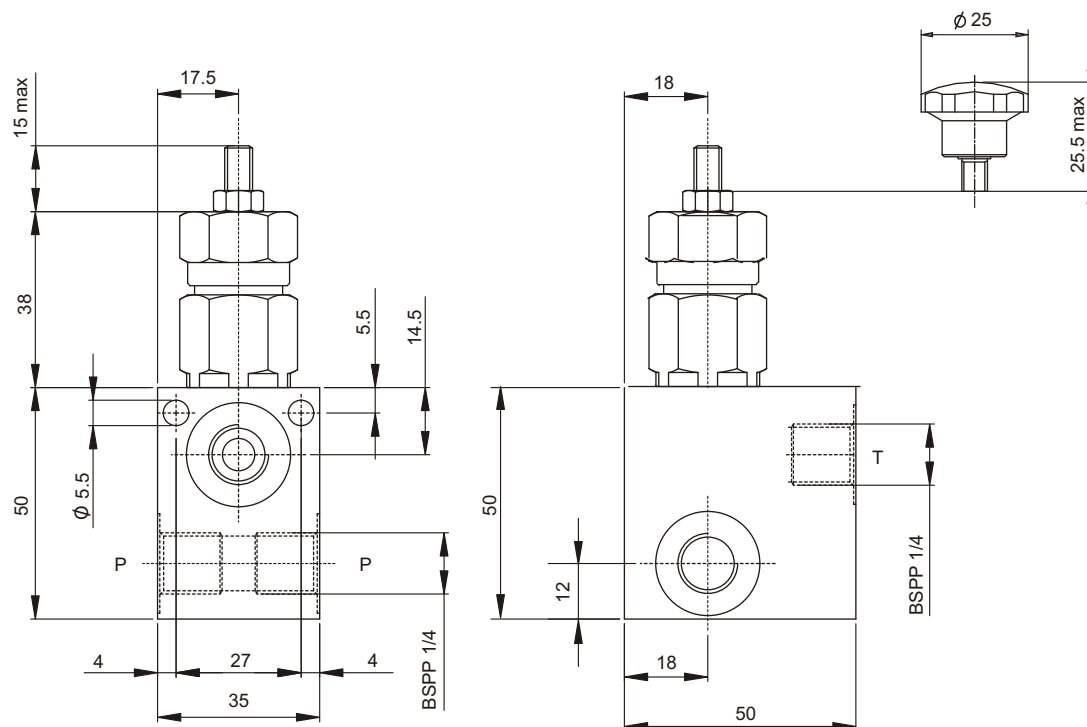
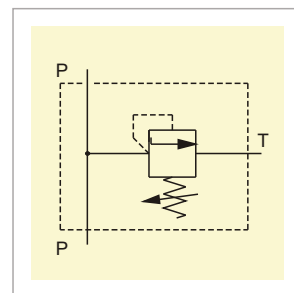
DCV120





Le valvole di massima pressione VMDR10 ad azione diretta vengono utilizzate per limitare la pressione nel circuito

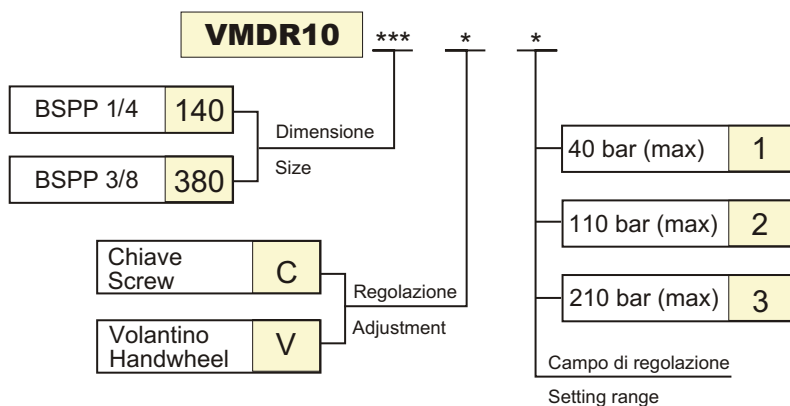
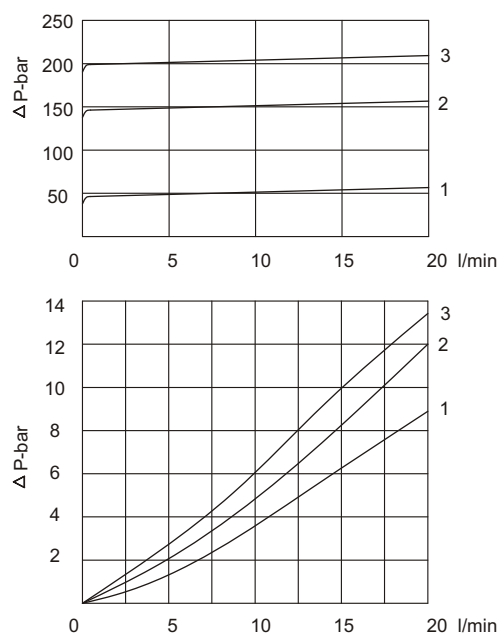
The direct action VMDR10 relief valves are used to limit the pressure inside the circuit



Caratteristiche tecniche

Features

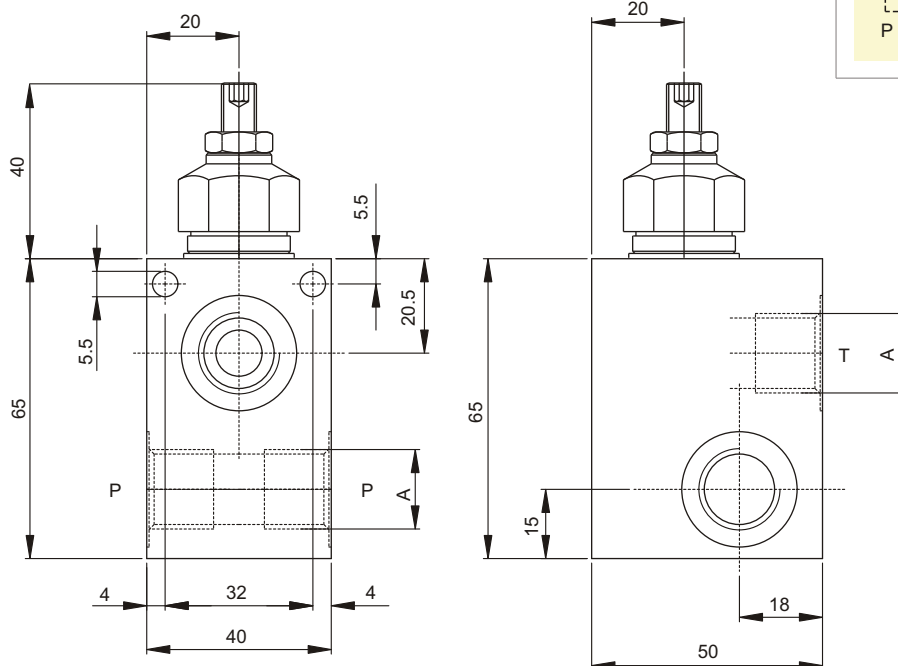
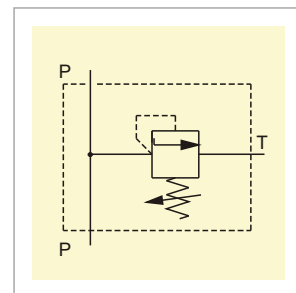
Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	Peso Weight Kg
VMDR10140	BSPP 1/4	20	210	0,25
VMDR10380	BSPP 3/8	20		

Codice di ordinazione
Ordering codePerdite di carico
Pressure drops



Le valvole di massima pressione VMDR40 ad azione diretta vengono utilizzate per limitare la pressione nel circuito

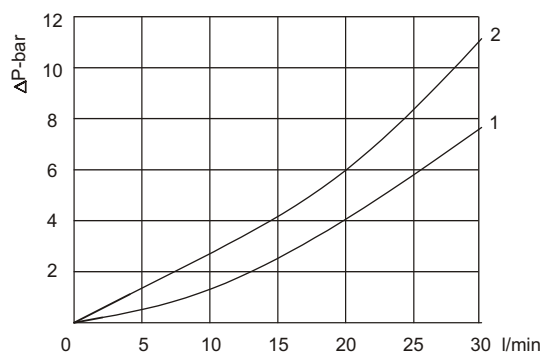
The direct action VMDR40 relief valves are used to limit the pressure inside the circuit



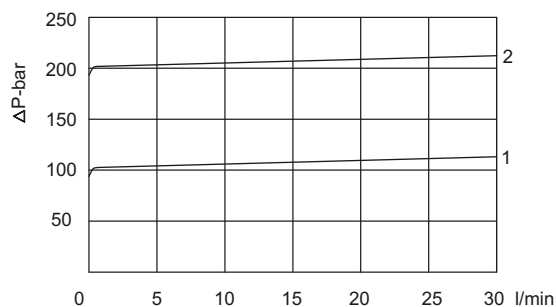
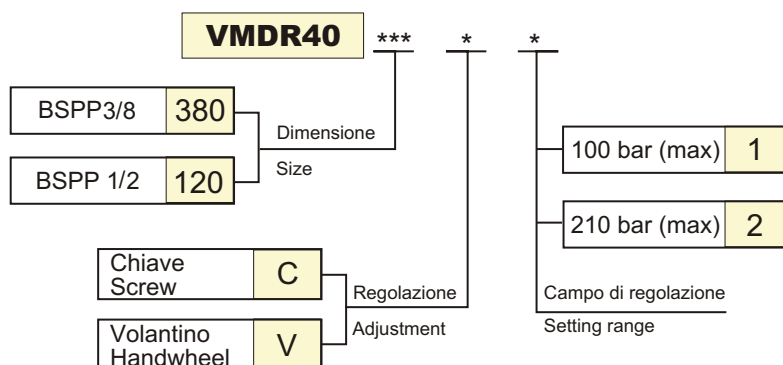
Caratteristiche tecniche
Features

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	Peso Weight Kg
VMDR40380	BSPP 3/8	40	210	0,45
VMDR40120	BSPP 1/2	40		

Perdite di carico
Pressure drops



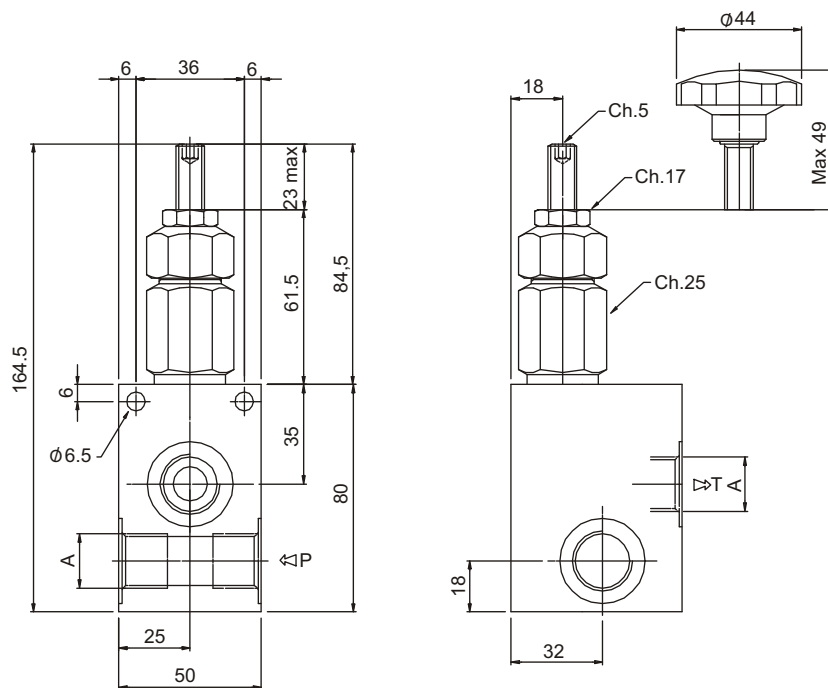
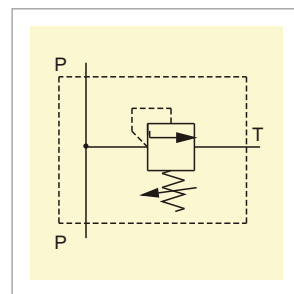
Codice di ordinazione
Ordering code





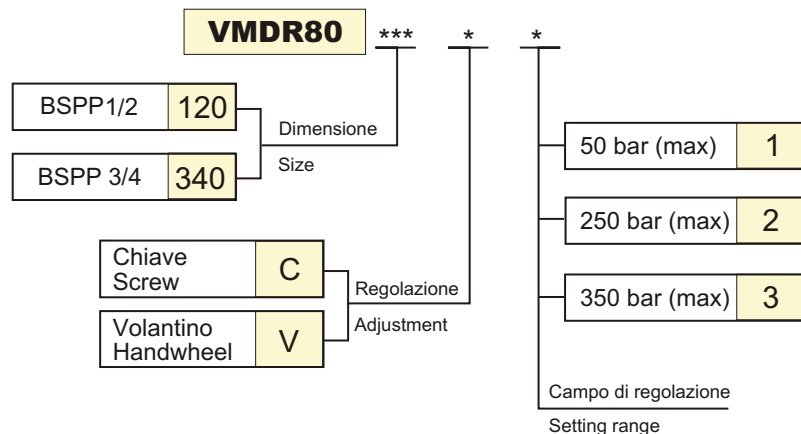
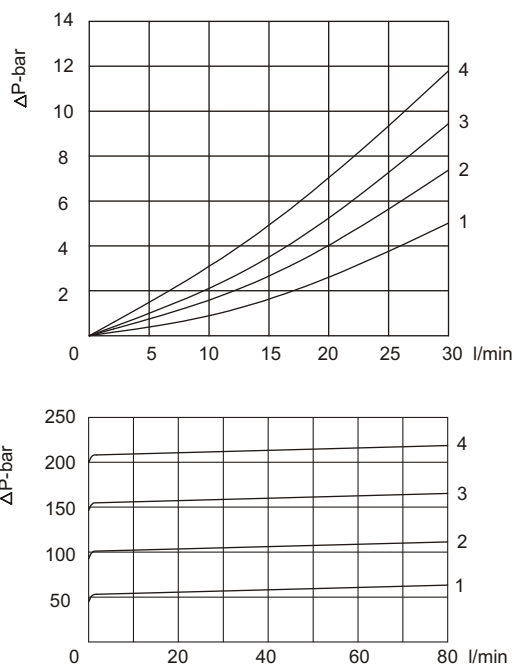
Le valvole di massima pressione VMDR80 ad azione diretta vengono utilizzate per limitare la pressione nel circuito

The direct action VMDR80 relief valves are used to limit the pressure inside the circuit



Caratteristiche tecniche

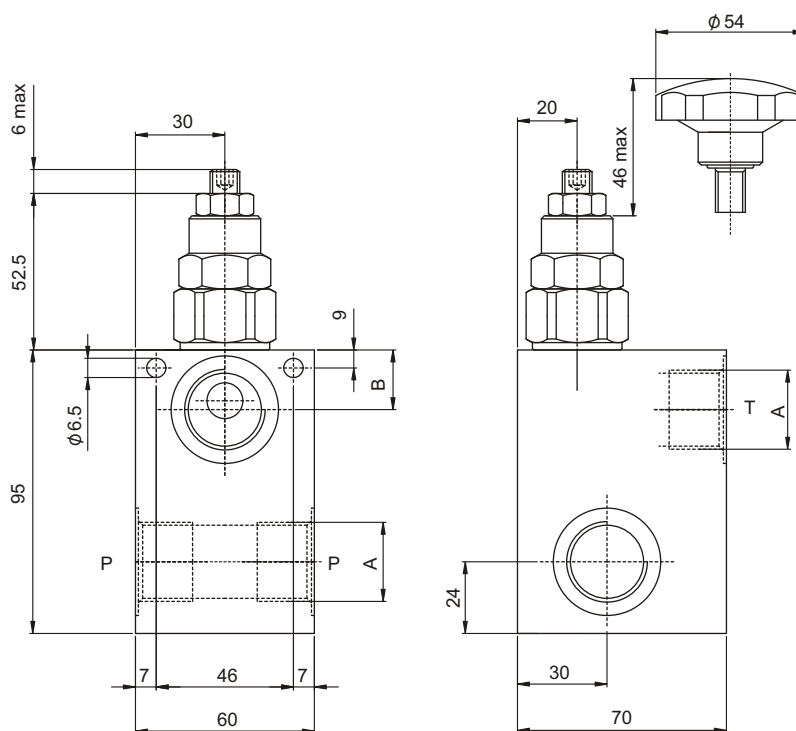
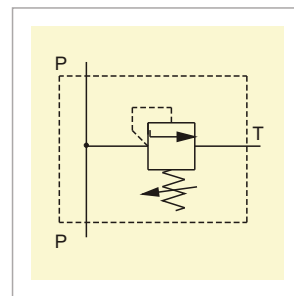
Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	Peso Weight Kg
VMDR80120	BSPP 1/2	80	210	0,75
VMDR80340	BSPP 3/4	80		0,70

Codice di ordinazione
Ordering codePerdite di carico
Pressure drops



Le valvole di massima pressione VMDR120 ad azione diretta vengono utilizzate per limitare la pressione nel circuito

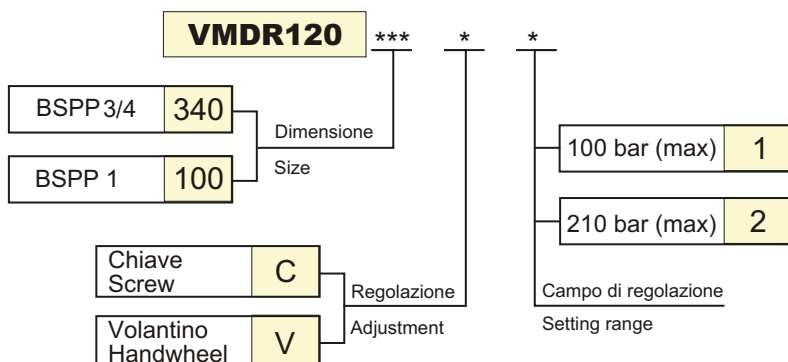
The direct action VMDR120 relief valves are used to limit the pressure inside the circuit



Caratteristiche tecniche
Features

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	Peso Weight Kg
VMDR120340	BSPP 3/4	120	210	1,20
VMDR120100	BSPP 1	120		1,20

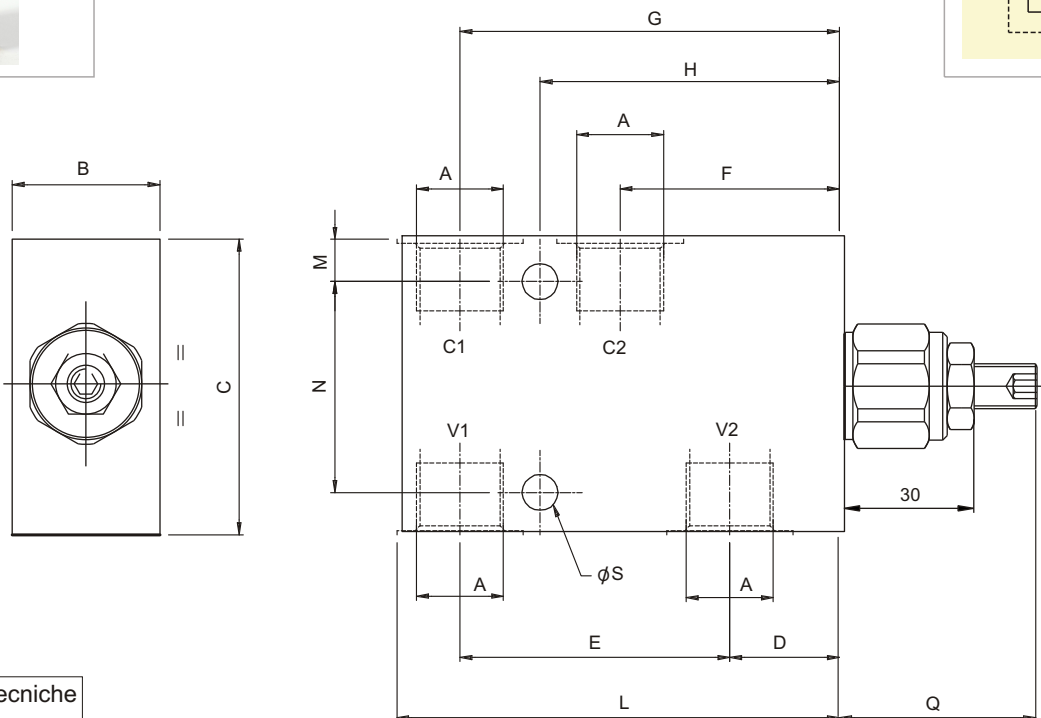
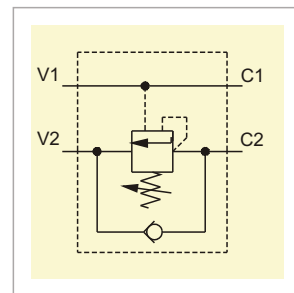
Codice di ordinazione
Ordering code





Le valvole overcenter VBCL permettono sia il controllo in discesa di un carico che il blocco di un attuatore a semplice effetto

The single acting overcenter valves type VBCL allow both the descent control of a load and the stop of a single acting cylinder



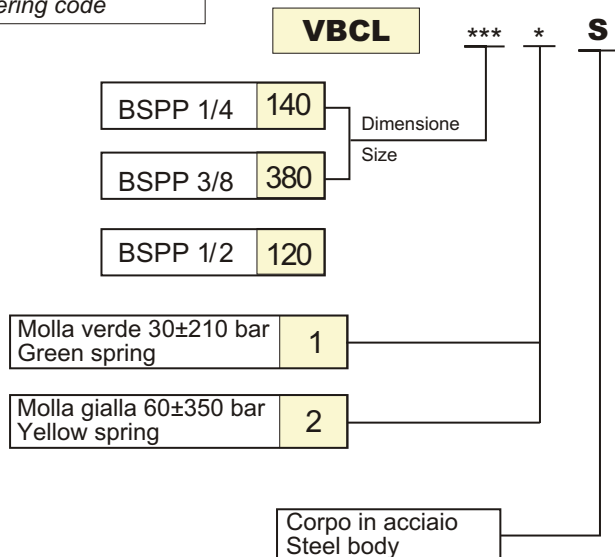
Caratteristiche tecniche

Features

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	B	C	D	E	F	G	H	L	M	N	Q	S	Rapporto di pilotaggio Pilot ratio	Peso Weight Kg
VBCL140	BSPP 1/4	30	350	30	60	26	64	52	90	71	105	10	40	46,5	6,5	1:4,25	0,62
VBCL380	BSPP 3/8	40		30	60	26	64	52	90	71	105	10	40	46,5	6,5		0,58
VBCL120	BSPP 1/2	60		35	70	26	64	52	90	71	105	10	50	46,5	8,5		0,60

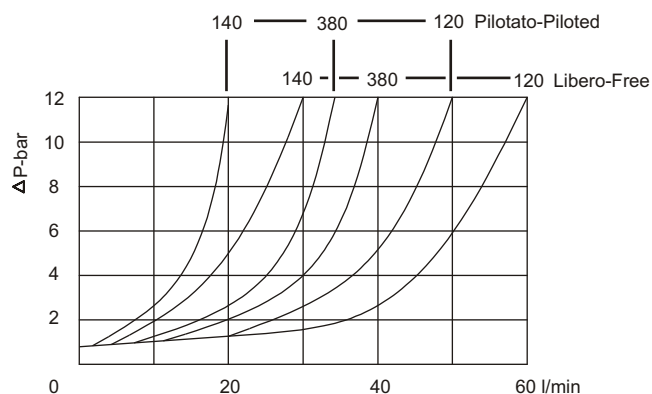
Codice di ordinazione

Ordering code



Perdite di carico

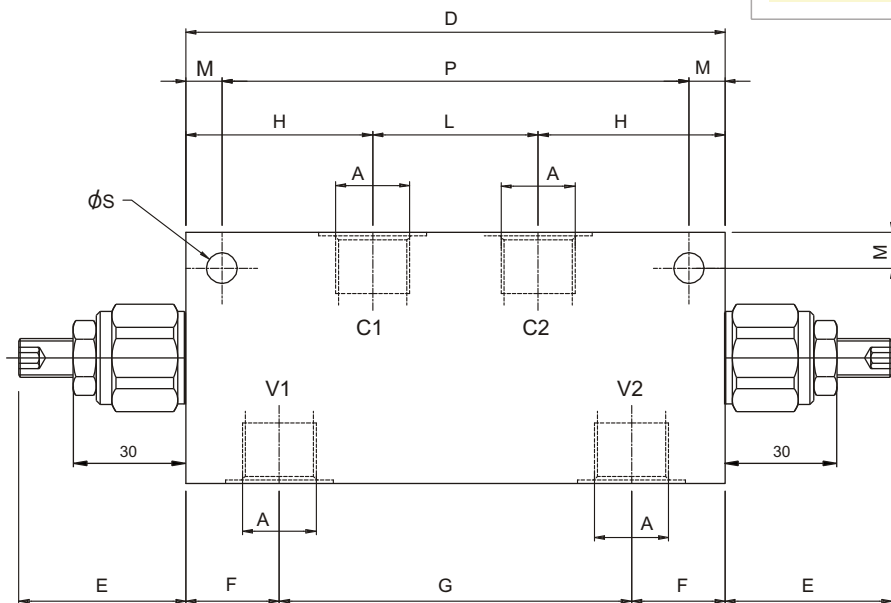
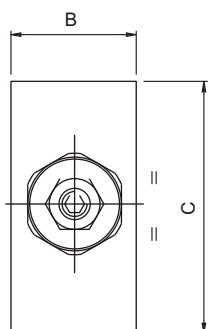
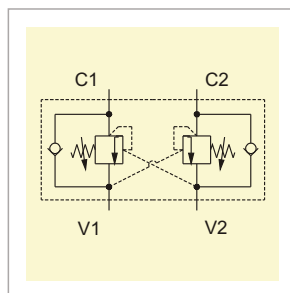
Pressure drops





Le valvole overcenter VBCD permettono sia il controllo in discesa di un carico che il blocco di un attuatore a doppio effetto

The double acting overcenter valves type VBCD allow both the descent control of a load and the stop of a double acting cylinder



Caratteristiche tecniche

Features

Codice Code	A	Portata Max Max flow l/min	Pressione Max Max pressure bar	B	C	D	E	F	G	H	L	M	N	Rapporto di pilotaggio Pilot ratio	Peso Weight Kg
VBCD140	BSPP 1/4	30	210	30	60	150	46,5	26	98	52	48	10	6,5	1:4,25	0,62
VBCD380	BSPP 3/8	40		30	60	150	46,5	26	98	52	48	10	6,5		0,58
VBCD120	BSPP 1/2	60		35	70	150	46,5	26	98	52	48	10	8,5		0,60

Codice di ordinazione

Ordering code

VBCD

*

S

BSPP 1/4

140

Dimensione
Size

BSPP 3/8

380

BSPP 1/2

120

Molla verde 30±210 bar
Green spring

1

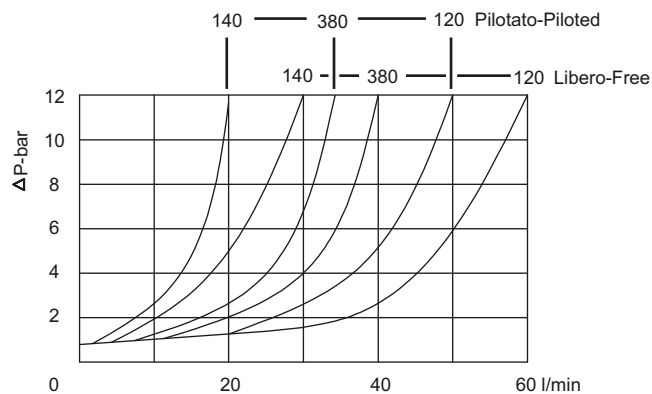
Molla gialla 60±350 bar
Yellow spring

2

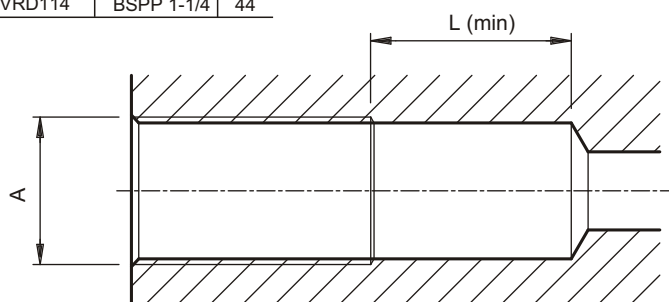
Corpo in acciaio
Steel body

Perdite di carico

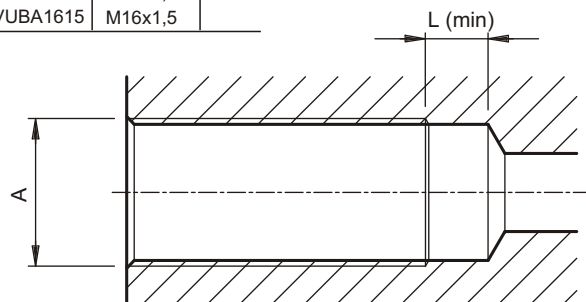
Pressure drops



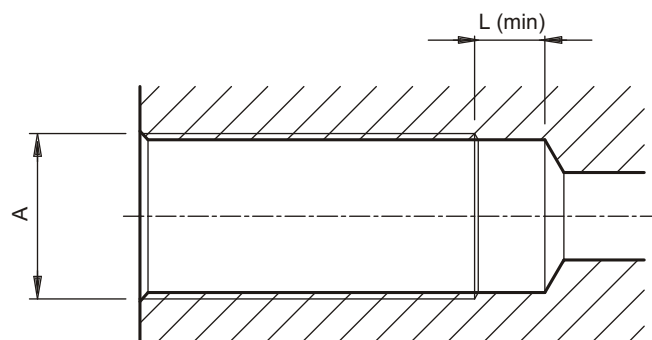
Codice Code	A	L
VRD140	BSPP 1/4	20
VRD380	BSPP 3/8	24
VRD120	BSPP 1/2	29
VRD340	BSPP 3/4	32
VRD100	BSPP 1	43
VRD114	BSPP 1-1/4	44

VRD


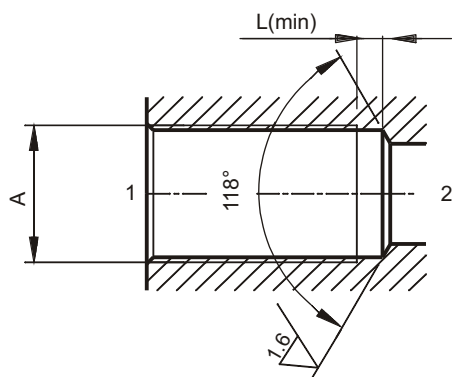
Codice Code		
VUBA140	BSPP 1/4	10
VUBA380	BSPP 3/8	10
VUBA120	BSPP 1/2	13
VUBA340	BSPP 3/4	13
VUBA1215	M12x1,5	
VUBA1415	M14x1,5	
VUBA1615	M16x1,5	

VUBA


Codice Code	A	L
VSC140	BSPP 1/4	2
VSC380	BSPP 3/8	4
VSC120	BSPP 1/2	7

VSC


Codice Code	A	L
VUP140	BSPP 1/4	10,2
VUP380	BSPP 3/8	13,5
VUP120	BSPP 1/2	16,1

VUP


Codice Code	A	E	F
VUI140	BSPP 1/4	4	7
VUI380	BSPP 3/8	4	9
VUI120	BSPP 1/2	5	12
VUI340	BSPP 3/4	5	12

VUI
