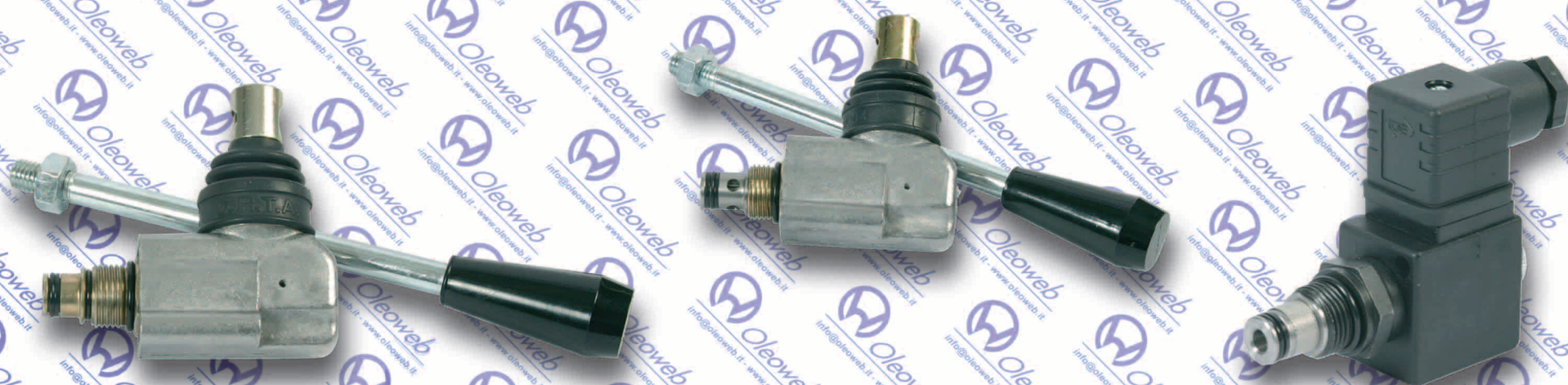




Oleoweb

HYDRAULIC VALVES AND COMPONENTS



Valvole a cartuccia Cartridge 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/s

Viscosità max. 100 mm²/s

Viscosità 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

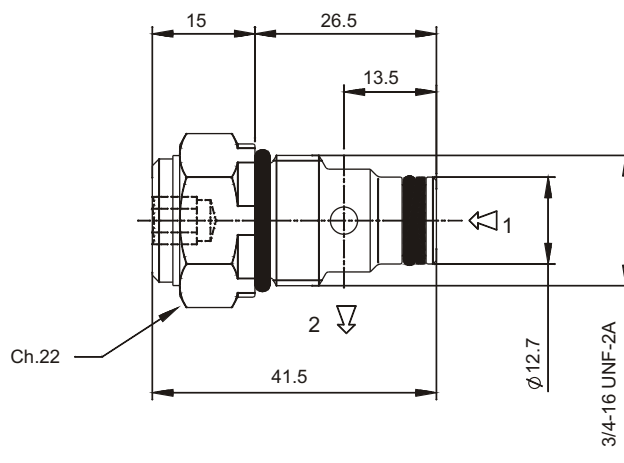
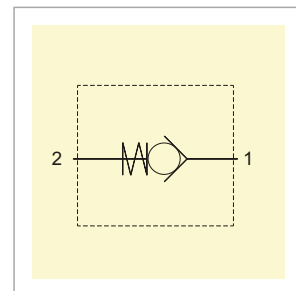
OLEOWEB reserves the right to modify the products at any time and without notice: the technical data of the catalogue can consequently change.



3/4-16 UNF

Le valvole unidirezionali CUR6 permettono il passaggio libero dell'olio in un senso e lo bloccano nel senso opposto

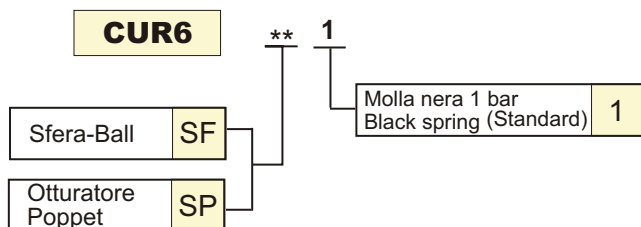
CUR6 check valves allow oil passing through one way only and stop it on the opposite way



Caratteristiche tecniche
Features

Portata max Max flow l/min	Pressione max Max pressure bar	Peso Weight Kg
25	350	0,1

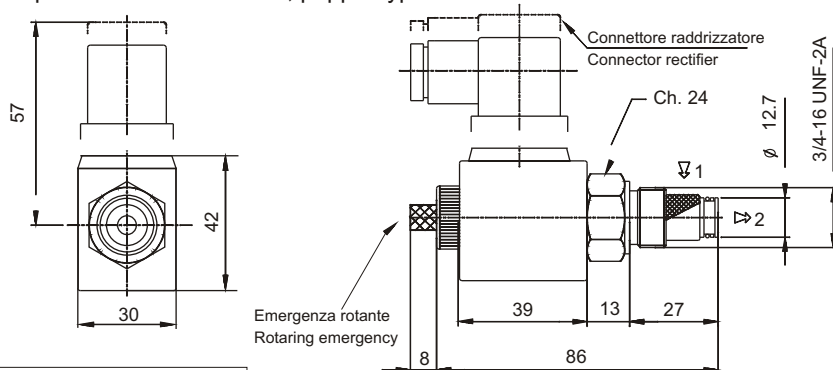
Codice di ordinazione
Ordering code





Le valvole elettriche EV6 sono valvole direzionali 2 vie/2 posizioni con otturatore conico ad azione pilotata

2 ways-2 positions pilot operated solenoid valves, poppet type



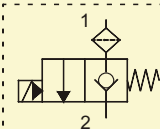
Codice di ordinazione
Ordering code

3/4-16 UNF

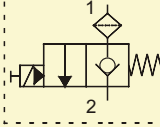
Caratteristiche tecniche Features

Pressione max Max pressure	210 bar
Portata max Max flow	22 l/min
Protezione Protection	IP 65
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 D.C.	18 W
Peso Weight	0,25 Kg

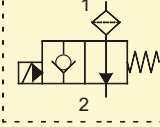
EVC6



EVE6



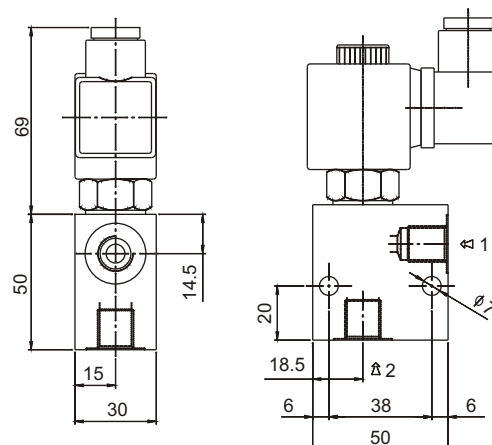
EVA6



Valvole a comando elettrico 2 vie con blocchetto 2 ways cartridge electric valves with manifold

Codice di ordinazione
Ordering code

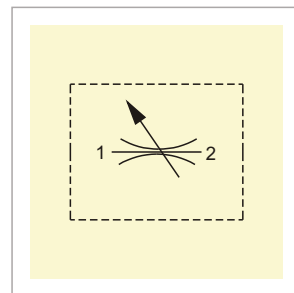
****	****	****	12 VDC	012DC
			24 VDC	024DC
			24V/50 Hz	02450
			110V/50 Hz	11050
			220V/50 Hz	22050
			24 RAC	024RAC
			110 RAC	110RAC
			220 RAC	220RAC
BSPP 1/4	140			
BSPP 3/8	380			





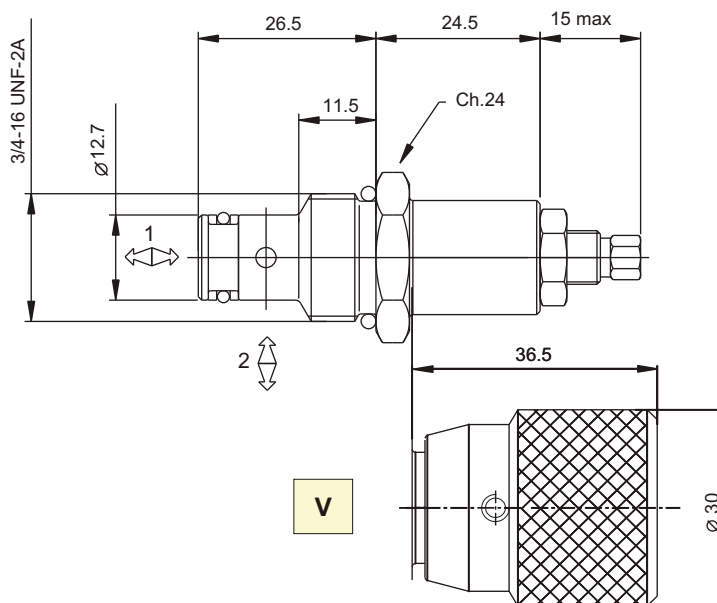
Le valvole di controllo flusso bidirezionali VBF6 consentono la regolazione del flusso in entrambi i sensi

VBF6 flow control valves allow flow adjustment in both directions



C

3/4-16 UNF



V

Caratteristiche tecniche
Features

Codice Code	Portata max Max flow l/min	Pressione max Max pressure bar	Peso Weight Kg
VBF6C	15	300	0,09
VBF6V			0,12

Codice di ordinazione
 Ordering code

VBF6

*

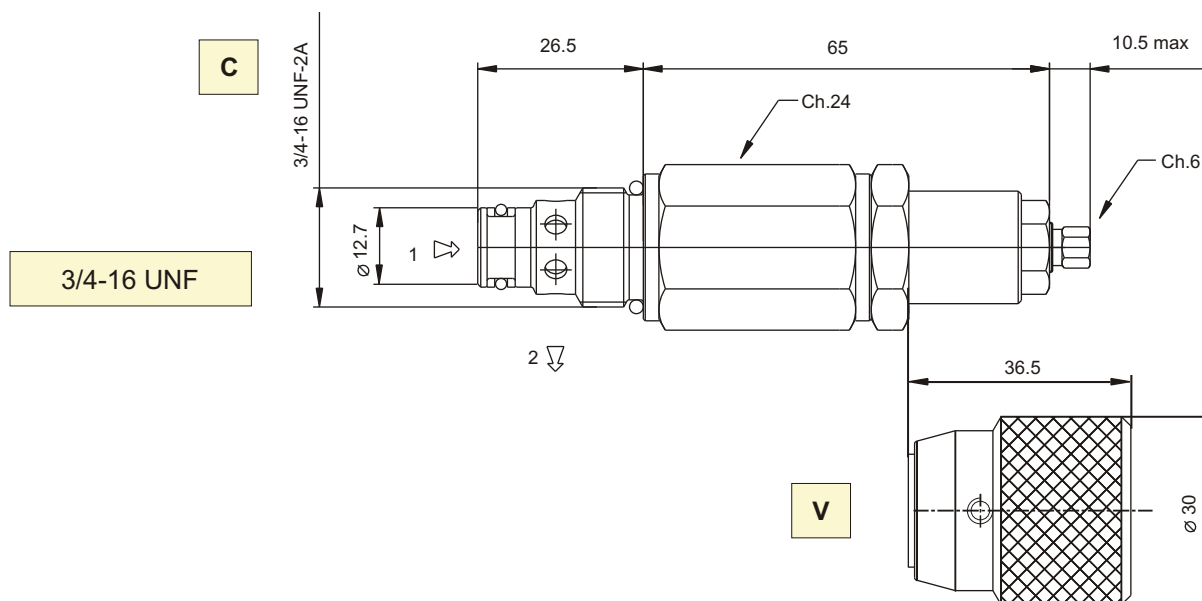
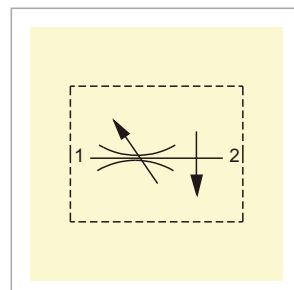
Chiave Screw	C
Volantino Handwheel	V

Regolazione
 Adjustment



Le valvole di controllo flusso compensate VCF6 vengono utilizzate per mantenere costante il flusso indipendentemente dalla pressione di lavoro e dal valore del carico

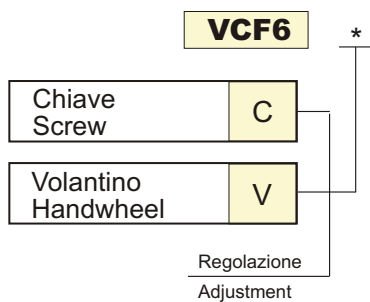
VCF6 compensated flow control valves maintain the oil flow constant without effect by working pressure and load value



Caratteristiche tecniche
Features

Codice Code	Portata max Max flow l/min	Pressione max Max pressure bar	Peso Weight Kg
VBF6C	15	300	0,21
VBF6V			0,25

Codice di ordinazione
Ordering code

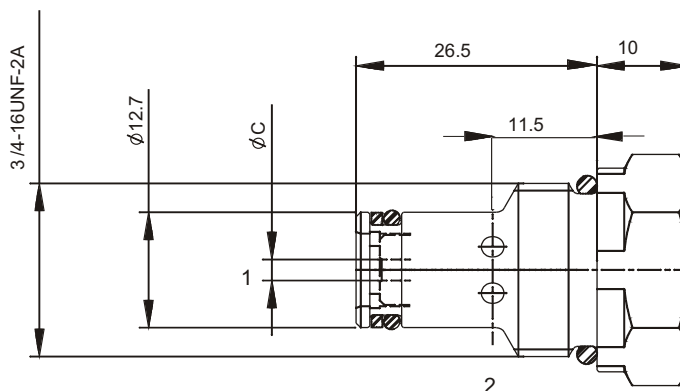
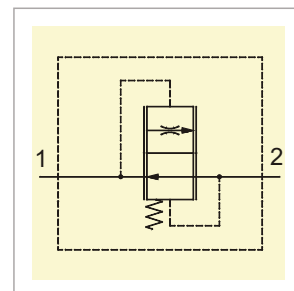




3/4-16 UNF

Le valvole di controllo discesa compensate fisse VSC6 vengono utilizzate per mantenere costante la discesa di un carico, indipendentemente dalla pressione di lavoro e dal valore del carico

VSC6 fixed compensated load control valves keep the load descent constant, without effect by working pressure and load value.



Caratteristiche tecniche
Features

Portata max Max flow l/min	Pressione max Max pressure bar	Peso Weight Kg
12	250	0,06

Codice di ordinazione
 Ordering code

VSC6

*

Portata (Vedi tabella)
 Flow (See table)

0 Senza foro
 Without hole

1

2

3

4

5

6

7

8

9

10

11

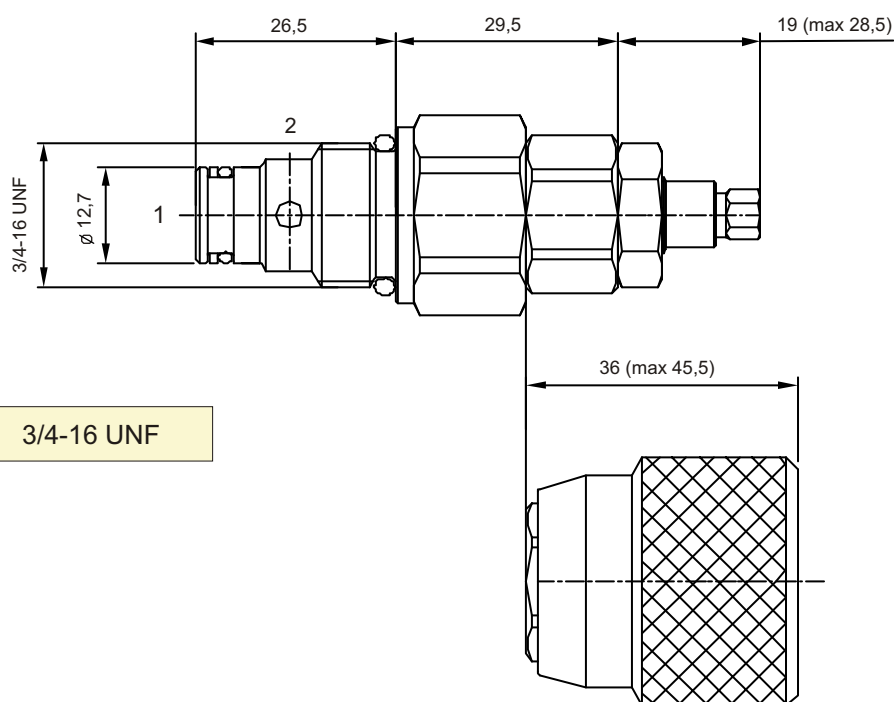
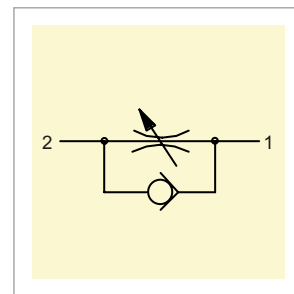
12

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 flusso unidirezionali VRF6 consentono la regolazione del flusso in un senso ed il passaggio libero nel senso opposto

VRF6 flow control valves allow flow adjustment in one way and free passage in opposite direction



3/4-16 UNF

Codice di ordinazione
 Ordering code

VRF6

Chiave Screw	C
Volantino Handwheel	V

Regolazione
 Adjustment

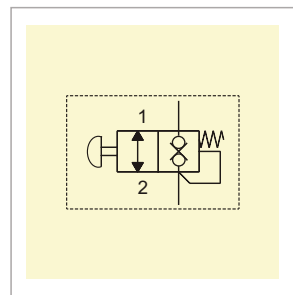
Caratteristiche tecniche
 Features

Codice Code	Portata max Max flow l/min	Pressione max Max pressure bar	Peso Weight Kg
VRF6C	20	350	0,125
VRF6V			0,165



Le valvole VEM6 permettono un intervento manuale d'emergenza, sono valvole bidirezionali, normalmente chiuse

VEM6 bidirecional, normally closed valves allow a manual operation of emergency



3/4-16 UNF

Caratteristiche tecniche

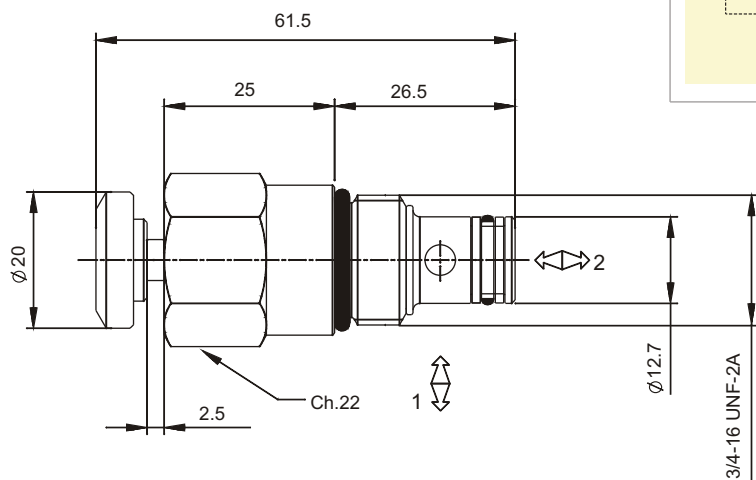
Features

Portata max Max flow l/min	Pressione max Max pressure bar	Peso Weight Kg
25	320	0.11

Codice di ordinazione

Ordering code

VEM6



Valvole di emergenza manuale in linea

Inline manual emergency valves

Caratteristiche tecniche

Features

Portata max Max flow l/min	Pressione max Max pressure bar	Peso Weight Kg
25	210	0.29

Codice di ordinazione

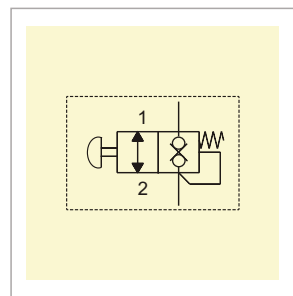
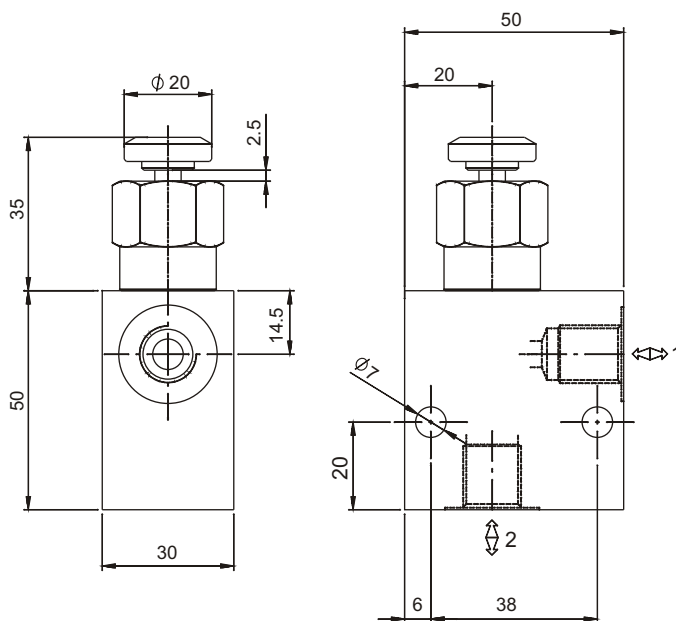
Ordering code

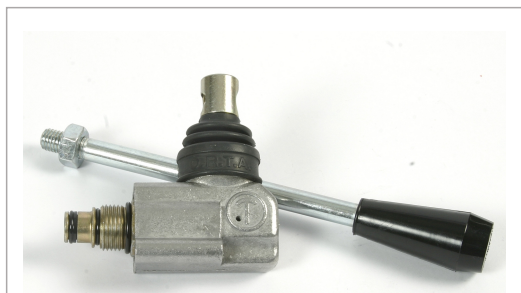
VEM6

BSPP 1/4 140

BSPP 3/8 380

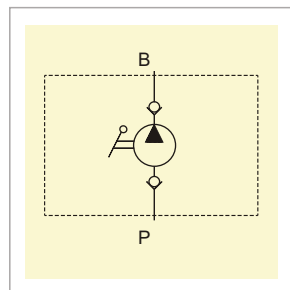
Dimensione
Size





Le pompe a mano a cartuccia di norma vengono utilizzate come emergenza in piccoli impianti

Cartridge hand pumps are generally used in small applications as emergency



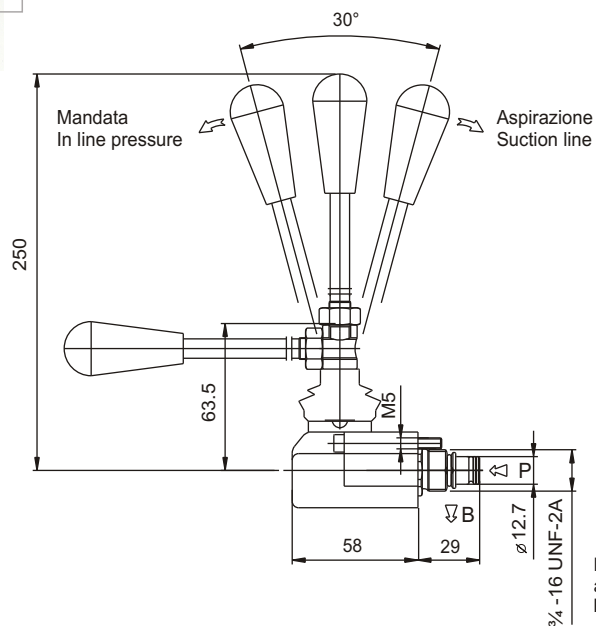
3/4-16 UNF

Caratteristiche tecniche

Cilindrata Displacement	Pressione max Max pressure bar	Peso Weight Kg
2 cm ³	200	0.7

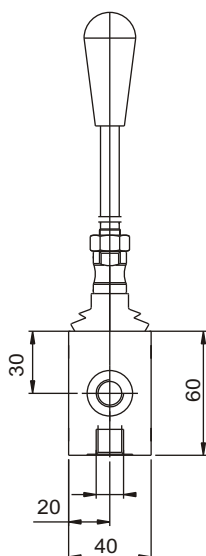
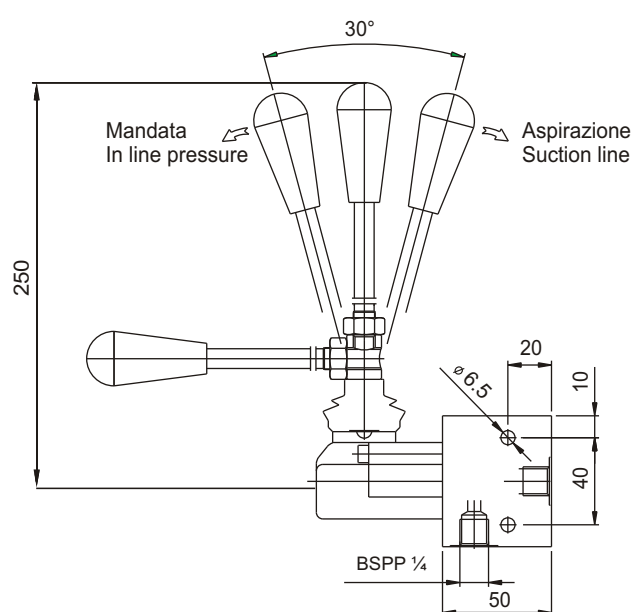
Codice di ordinazione <i>Ordering code</i>	
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PME6



La pompa è comprensiva di leva di
azionamento standard L=200
Pump is equipped with standard L=200 lever

Blocco con pompa a mano
Manifold with cartridge hand pump

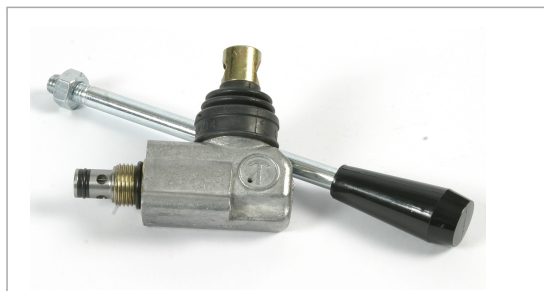


Codice di ordinazione <i>Ordering code</i>	
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PME6140

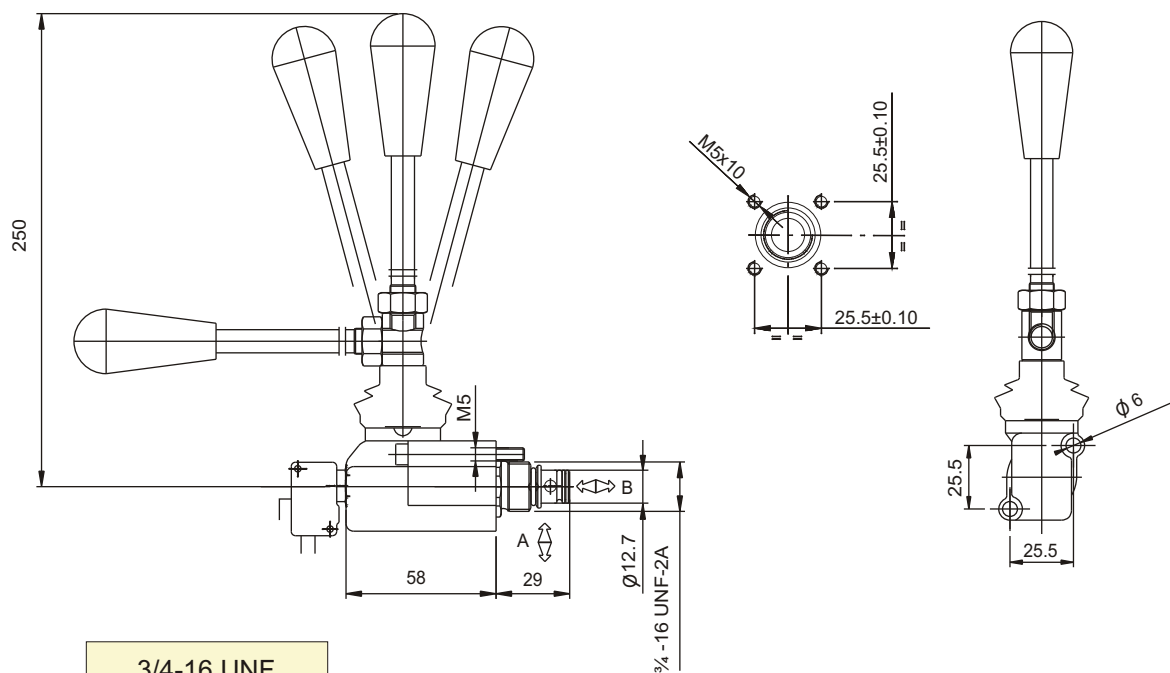
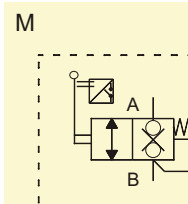
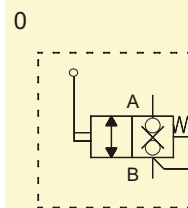
BSPP/1 4

Dimensione
Size



Le valvole bidirezionali a comando manuale CM6 sono valvole direzionali normalmente chiuse 2 vie/2 posizioni

CM6 are bidirectional manual operated release valves, normally closed 2 ways-2 positions



Caratteristiche tecniche
Features

Portata max Max flow l/min	Pressione max Max pressure bar	Peso Weight Kg
25	320	0.7

Codice di ordinazione
Ordering code

CM6

*

Senza micro
Without micro-switch

0

Con micro
With micro-switch

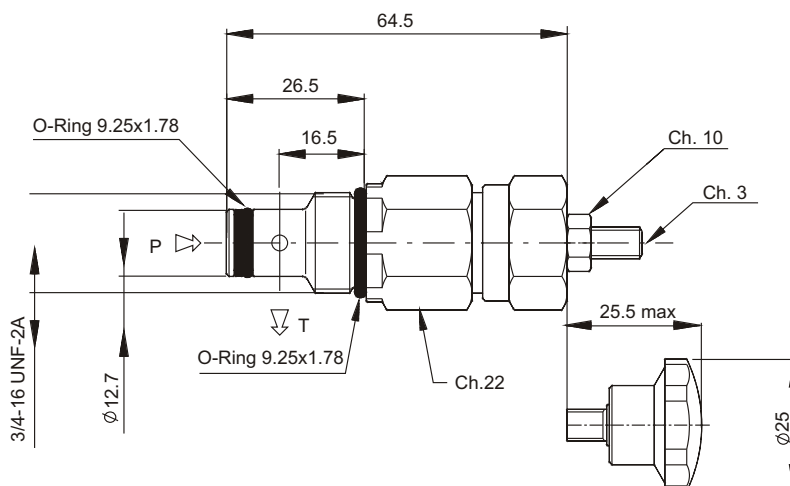
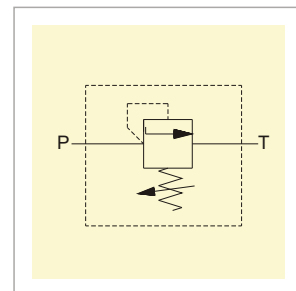
M



3/4-16 UNF

Le valvole di massima pressione VMD10 ad azione diretta vengono utilizzate per limitare la pressione nel circuito

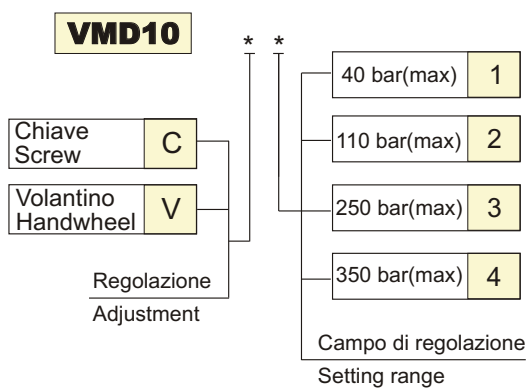
The direct action VMD10 relief valves are used to limit the pressure inside the circuit



Caratteristiche tecniche
Features

Portata max Max flow l/min	Molla Spring	Pressione max Max pressure bar	Peso Weight Kg
20	1	40	0,16
	2	110	
	3	250	
	4	350	

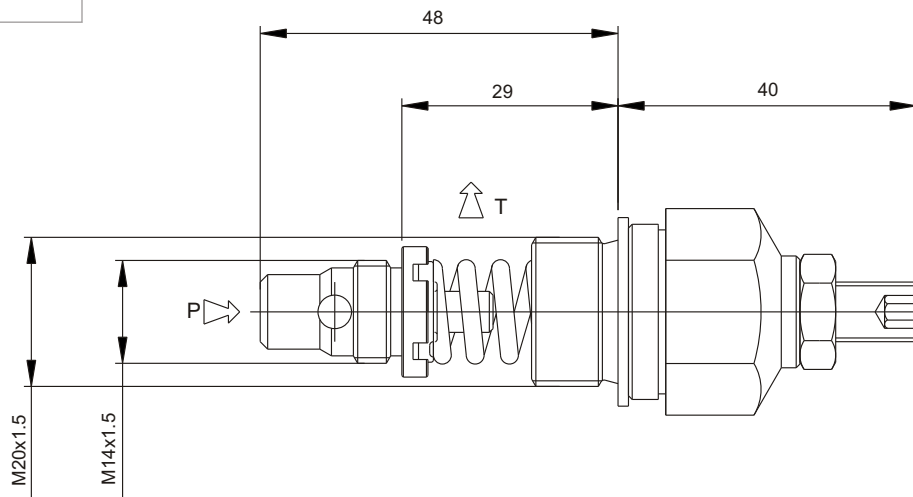
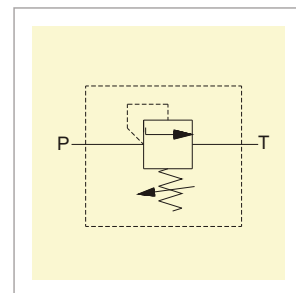
Codice di ordinazione
Ordering code





Le valvole di massima pressione VMD40 ad azione diretta vengono utilizzate per limitare la pressione nel circuito

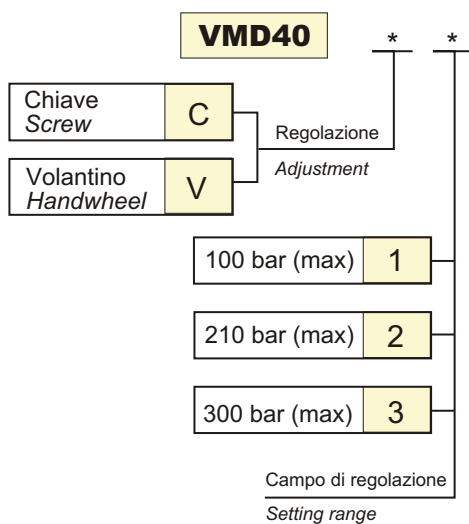
The direct action VMD40 relief valves are used to limit the pressure inside the circuit



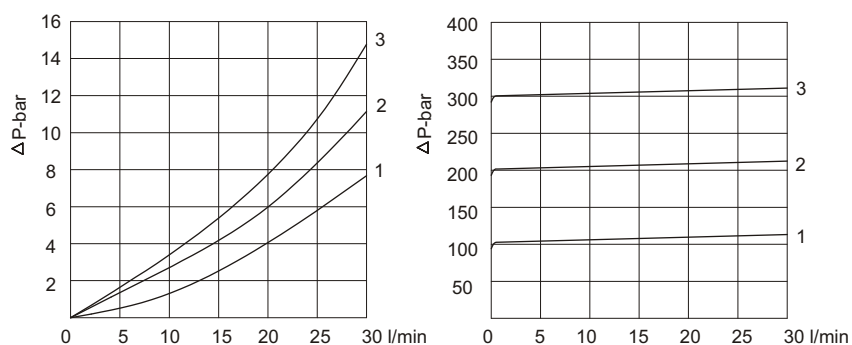
Caratteristiche tecniche Features

Codice Code	Portata Max Max flow l/min	Molla Spring	Pressione Max Max pressure bar	Peso Weight Kg
VMD40	40	1	100	0,12
		2	210	
		3	350	

Codice di ordinazione Ordering code



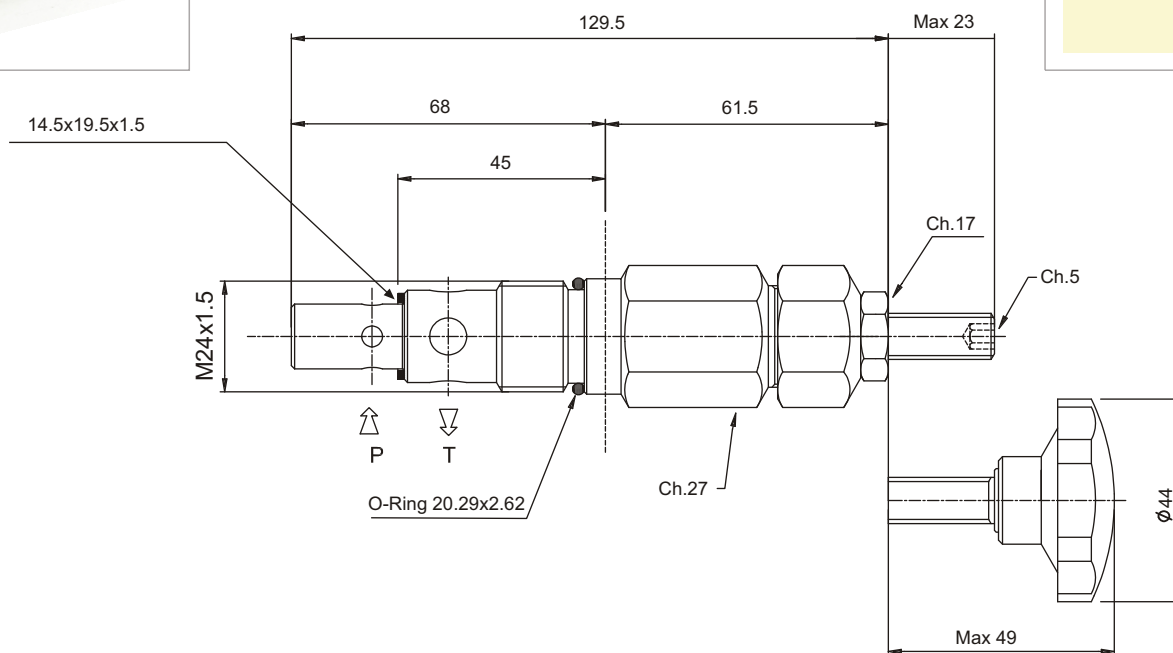
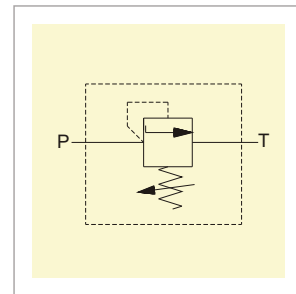
Perdite di carico Pressure drops





Le valvole di massima pressione VMD80 ad azione diretta vengono utilizzate per limitare la pressione nel circuito

The direct action VMD80 relief valves are used to limit the pressure inside the circuit

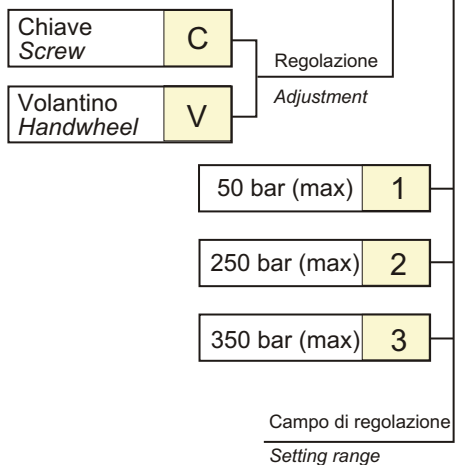


Codice di ordinazione
Ordering code

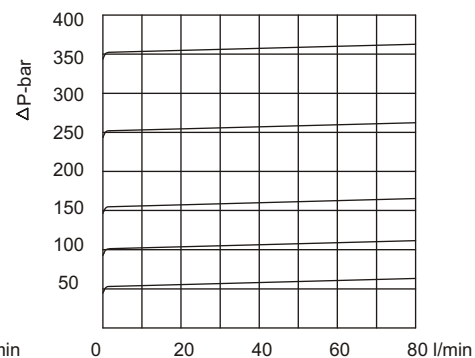
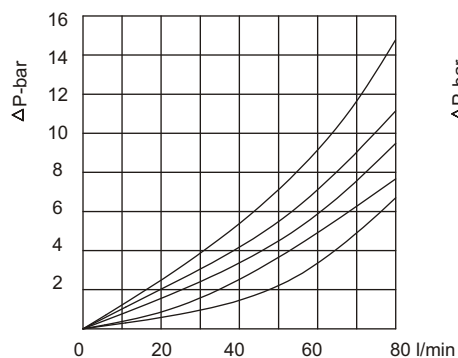
VMD80

Caratteristiche tecniche
Features

Portata Max Max flow l/min	Molla Spring	Pressione Max Max pressure bar	Peso Weight Kg
80	1	50	0,35
	2	250	
	3	350	



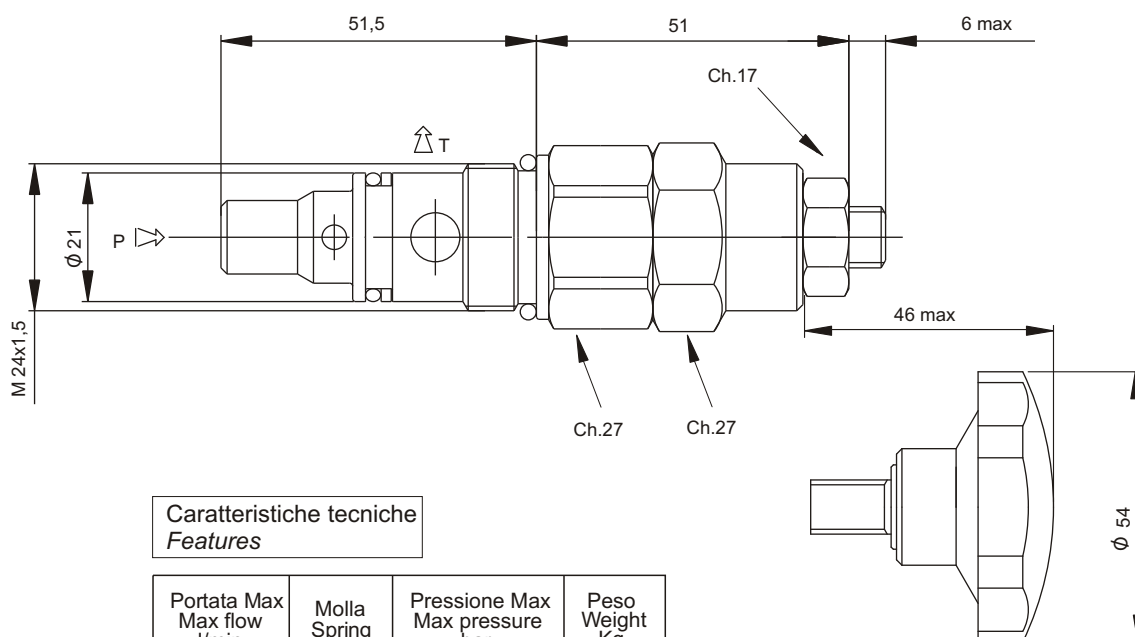
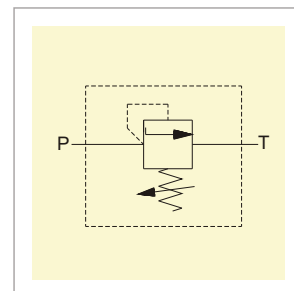
Perdite di carico
Pressure drops





Le valvole di massima pressione VMD90 ad azione diretta vengono utilizzate per limitare la pressione nel circuito

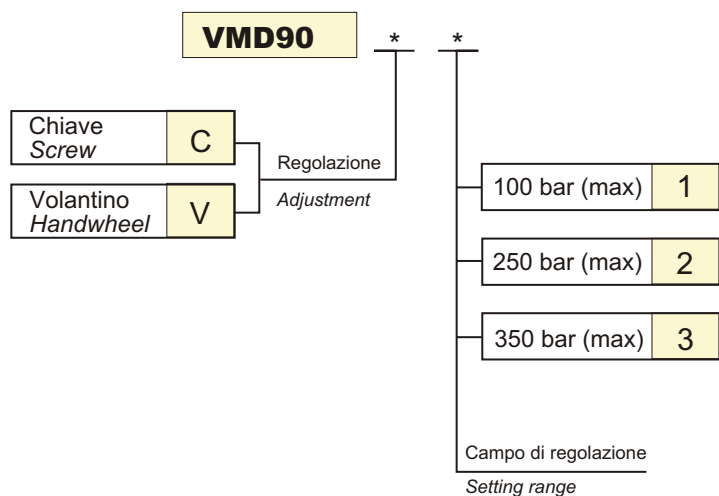
The direct action VMD90 relief valves are used to limit the pressure inside the circuit



Caratteristiche tecniche
Features

Portata Max Max flow l/min	Molla Spring	Pressione Max Max pressure bar	Peso Weight Kg
80	1	100	0,25
	2	250	
	3	350	

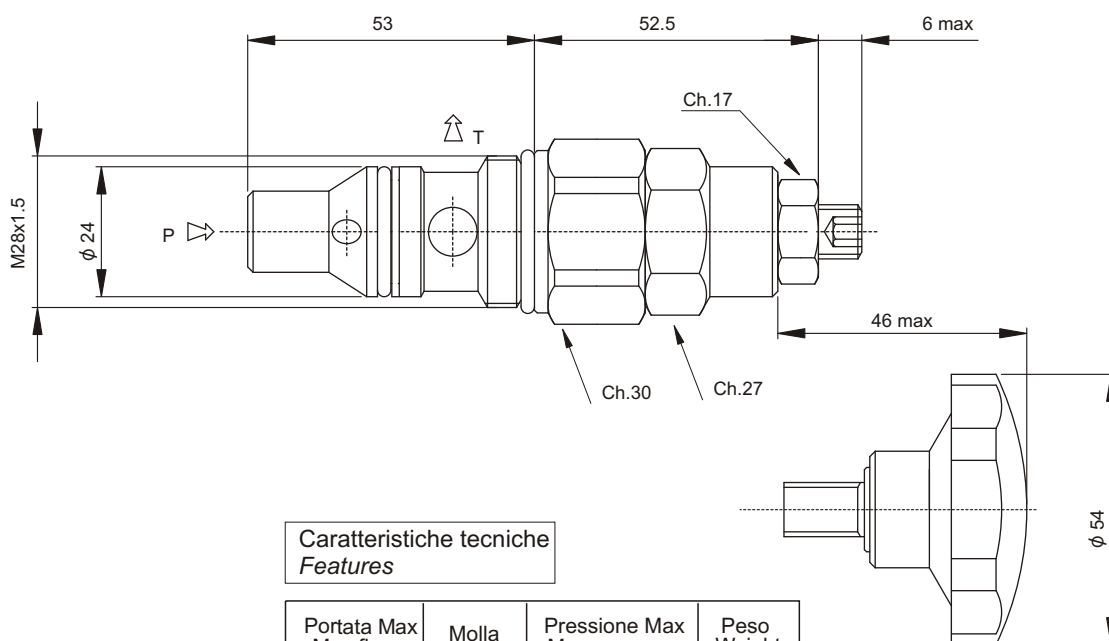
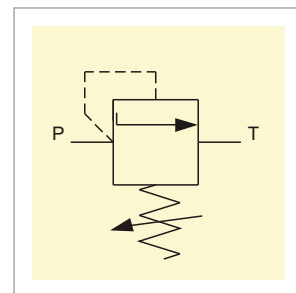
Codice di ordinazione
Ordering code





Le valvole di massima pressione VMD120 ad azione diretta vengono utilizzate per limitare la pressione nel circuito

The direct action VMD120 relief valves are used to limit the pressure inside the circuit



Caratteristiche tecniche
Features

Portata Max Max flow l/min	Molla Spring	Pressione Max Max pressure bar	Peso Weight Kg
120	1	100	0,3
	2	250	
	3	350	

Codice di ordinazione
Ordering code

VMD120

Chiave Screw	C
Volantino Handwheel	V

Regolazione
Adjustment

100 bar (max)	1
250 bar (max)	2
350 bar (max)	3

Campo di regolazione
Setting range

[illegible]

Technical drawing of a mechanical part, likely a bearing housing or shaft component, showing dimensions and tolerances.

Dimensions and Tolerances:

- Overall length: 50 min
- Inner diameter (ID): $\phi 14 \text{ max}$
- Outer diameter (OD): $\phi 26$
- Length of ID section: 39 min
- Length of OD section: 20
- Length of ID section (from end): 29 ± 0.10
- Length of OD section (from end): 13
- Surface finish: Sm.1x45°
- Thread: M14x1.5-6H, M20x1.5-6H
- Surface texture: $\sqrt{0.04}$, $\sqrt{0.05}$
- Material: C

[illegible]