

CAPITOLO 04

VALVOLE E TAPPI

valves and plugs

ITALIAN QUALITY SINCE 1989



CAPITOLO 04

Valvole e tappi

valves and plugs

Valvole a cartuccia per il collettore centrale: massima pressione, ritegno, strozzatori, controllo di flusso, valvole elettriche e manuali, con i tappi funzionali per le cavità.

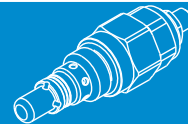
Cartridge valves for the central manifold: relief, check, throttle and flow control valves, solenoid and manual valves, with the function plugs for the cavities.

IN QUESTO CAPITOLO *in this chapter*

VMDC35	Valvola di massima pressione ad azione diretta <i>direct acting relief valve</i>	34
VMDC30	Valvola di massima pressione a cono guidato <i>guided poppet relief valve</i>	35
VUC20	Valvola unidirezionale ad otturatore <i>guided poppet check valve</i>	36
VSC	Strozzatori fissi a pressione compensata <i>fixed compensated throttles</i>	37
CMF	Corpo per montaggio in linea VSC <i>in-line body for VSC</i>	39
MSV	Valvola elettrica pilotata singola tenuta <i>pilot operated single locking solenoid valve</i>	40
MDV	Valvola elettrica pilotata doppia tenuta <i>pilot operated double locking solenoid valve</i>	41
AM	Connettori elettrici <i>electric connectors</i>	42
HDB	Bobine <i>coils</i>	42
MQV	Valvola elettrica 4/3 a cartuccia <i>4/3 cartridge solenoid valve</i>	43
HDQ	Bobine per valvola MDQ <i>coils for MDQ valves</i>	44
CPE	Valvola a due vie con comando a pulsante <i>push button two-way valve</i>	45
VPN	Valvola a due vie a cartuccia con comando pneumatico <i>pneumatic two-way cartridge valve</i>	46
CSC04	Valvola di controllo flusso compensata regolabile <i>adjustable compensated flow control valve</i>	47
CSB	Valvola bidirezionale di controllo di flusso <i>bidirectional flow control valve</i>	48
CM04L	Valvola a due vie con comando a leva <i>lever operated two-way valve</i>	49
PM02	Pompa manuale doppio effetto <i>double acting hand pump</i>	50
T0	Cavità e tappi funzionali <i>cavities and function plugs</i>	51

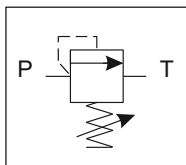
04

Valvole e tappi valves and plugs



VMDC35

Valvola di massima pressione ad azione diretta
Direct acting relief valve



Caratteristiche principali main features	
Pressione max max pressure	320 bar
Portata max max flow	30 l/min
Peso weight	0,16 Kg

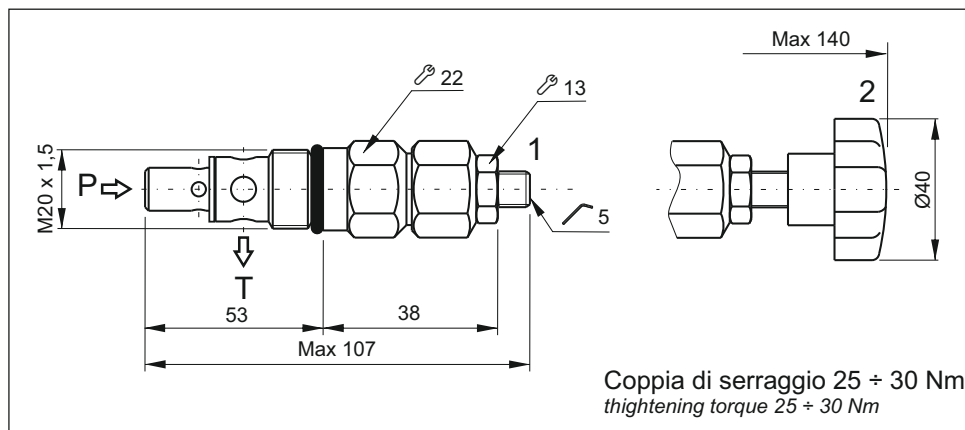
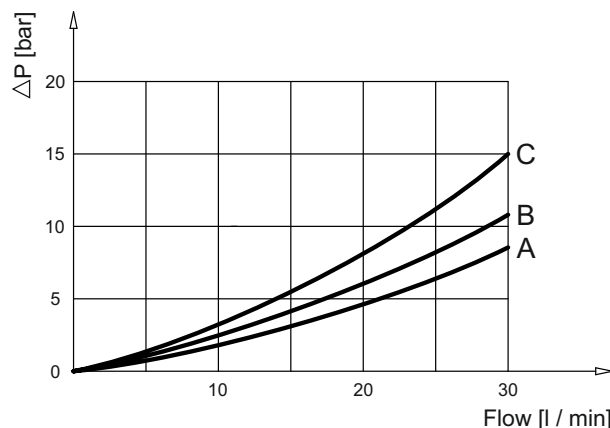


Diagramma perdita di carico - pressure drop diagram

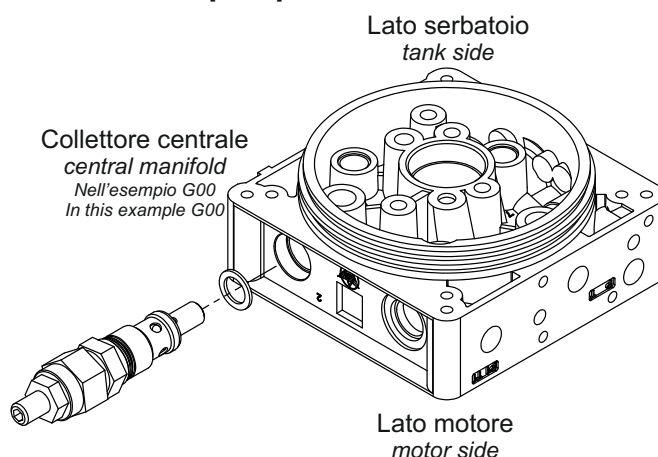


NB: Valori misurati sulla sola valvola.
La perdita di carico potrebbe variare a seconda della viscosità del liquido e della temperatura. Le curve sopra riportate sono state ottenute alla temperatura di 40°C, utilizzando olio con viscosità 46 cSt.
Note: Values measured on valve alone. Pressure drop may change depending on fluid viscosity and temperature. The curves above, have been obtained at 40°C, using oil with viscosity 46 cSt.

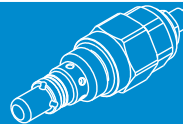
Codice ordinazione - ordering code

V	M	D	C	3	5	B	1	0
1			2		3	4	5	

1 Tipo di valvola - valve type VMDC	2 Grandezza nominale - nominal size M20x1,5	3 Range di lavoro - working range A = 10 ÷ 90 bar B = 20 ÷ 210 bar C = 70 ÷ 350 bar
4 Dispositivo di regolazione - adjusting device 1 = Vite - screw (standard) 2 = Manopola - handknob	5 Serie - series 0 = Standard	



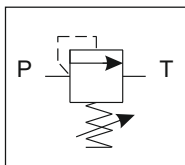
Valvole e tappi valves and plugs



04

VMDC30

Valvola di massima pressione ad azione diretta a cono guidato
Direct acting guided poppet type relief valve



Caratteristiche principali main features	
Pressione max max pressure	280 bar
Portata max max flow	30 l/min
Peso weight	0,13 Kg

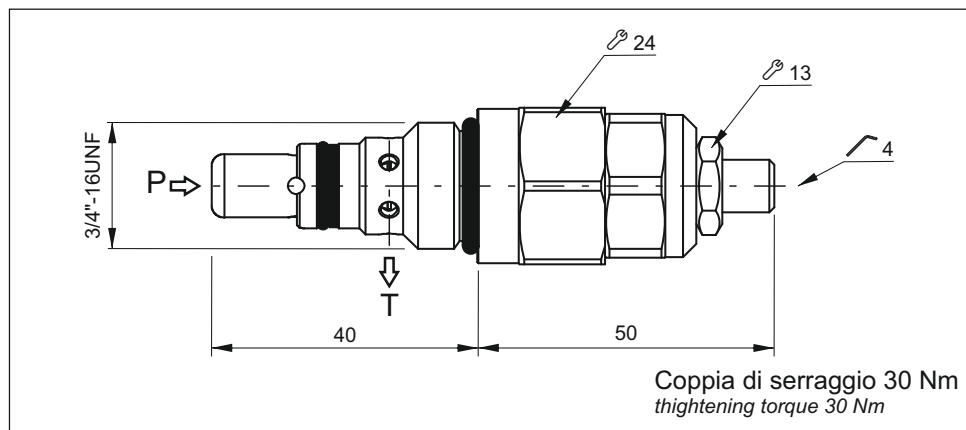
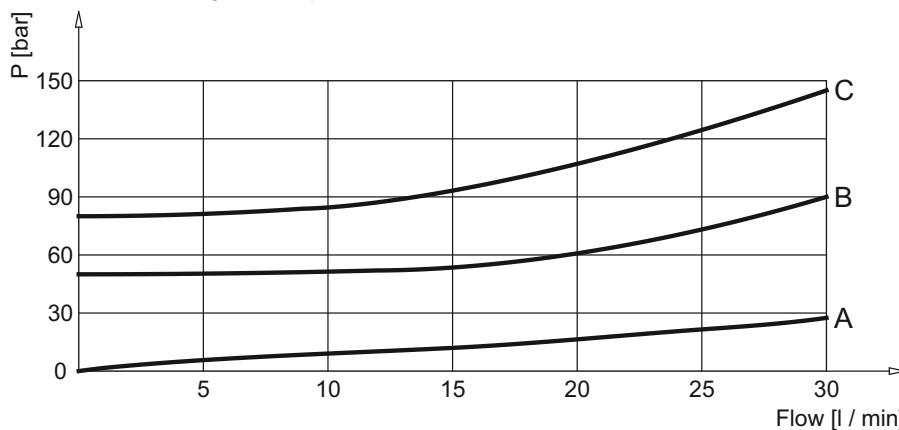
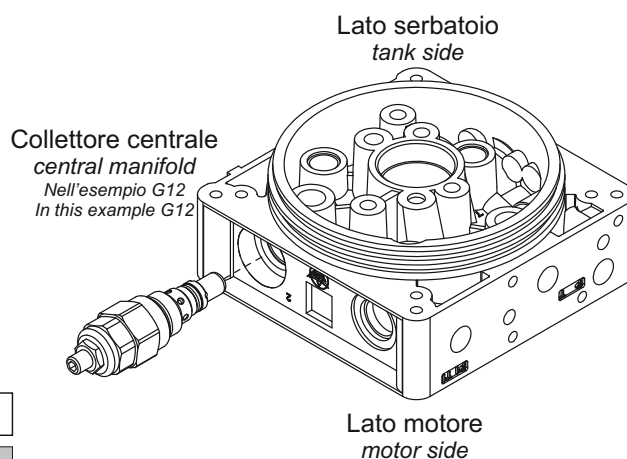


Diagramma perdita di carico - pressure drop diagram



NB: Valori misurati sulla sola valvola.
Le curve sopra riportate sono state ottenute alla temperatura di 40°C, utilizzando olio con viscosità 46 cSt.
Note: Values measured on valve alone.
The curves above, have been obtained at 40°C, using oil with viscosity 46 cSt.



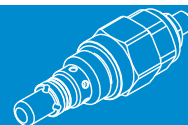
Codice ordinazione - ordering code

V	M	D	C	3	0	C	1	0
1		2		3		4		5

1 Tipo di valvola - valve type VMDC	2 Grandezza nominale - nominal size 3/4"-16 UNF	3 Range di lavoro - working range A = 10 ÷ 70 bar B = 30 ÷ 150 bar C = 50 ÷ 280 bar
4 Dispositivo di regolazione - adjusting device 1 = Vite - screw	5 Serie - series 0 = Standard	

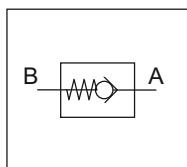
04

Valvole e tappi valves and plugs



VUC20

Valvola unidirezionale ad otturatore
Guided poppet type check valve



Caratteristiche principali main features	
Pressione max max pressure	350 bar
Portata max max flow	30 l/min
Peso weight	0,07 Kg

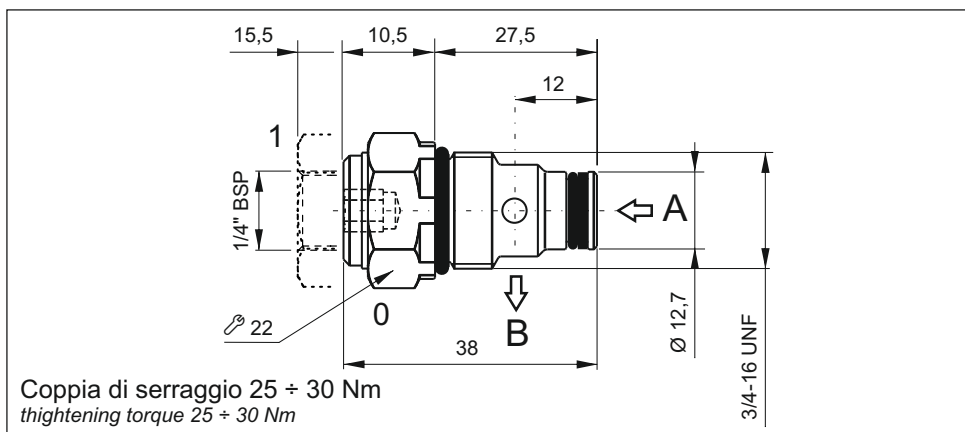
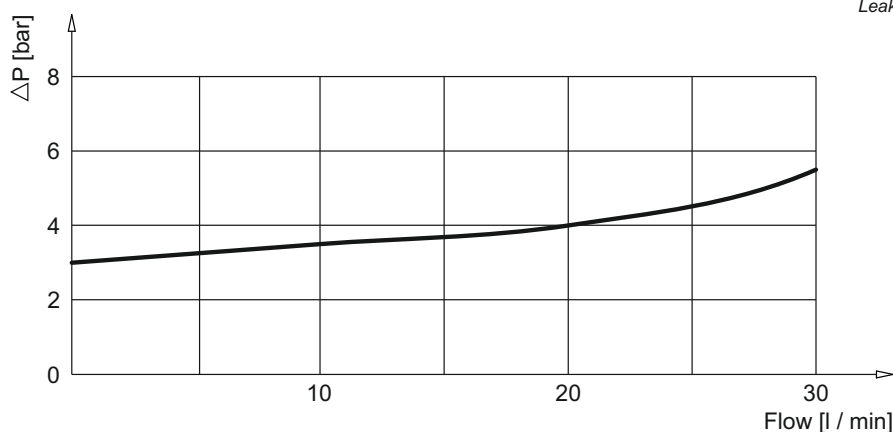


Diagramma perdita di carico - pressure drop diagram

Perdite: 0,25 cc/min (5 gocce/min)
Leakage: 0,25 cc/min (5 drops/min)
P max 350 bar



NB: Valori misurati sulla sola valvola.
La perdita di carico potrebbe variare a seconda della viscosità del liquido e della temperatura. Le curve sopra riportate sono state ottenute alla temperatura di 40°C, utilizzando olio con viscosità 46 cSt.
Note: Values measured on valve alone. Pressure drop may change depending on fluid viscosity and temperature. The curves above, have been obtained at 40°C, using oil with viscosity 46 cSt.

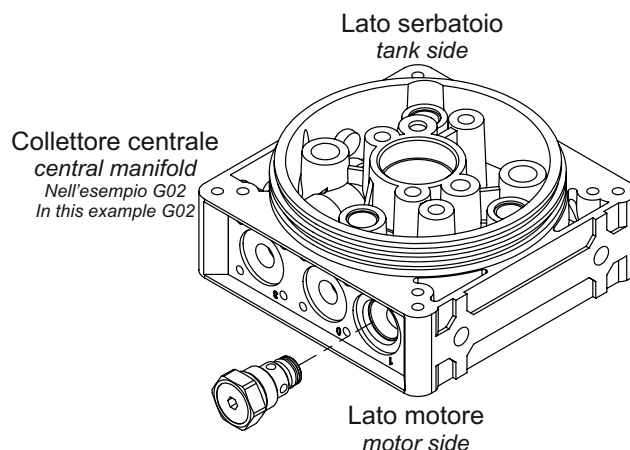
Codice ordinazione - ordering code

V U C 2 0 0
1 2 3

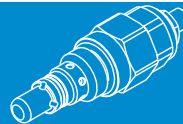
1 Tipo di valvola - valve type
VUC

2 Grandezza nominale - nominal size
3/4"-16 UNF

3 Serie - series
0 = Standard
1 = 1/4" BSP



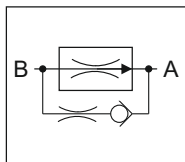
Valvole e tappi valves and plugs



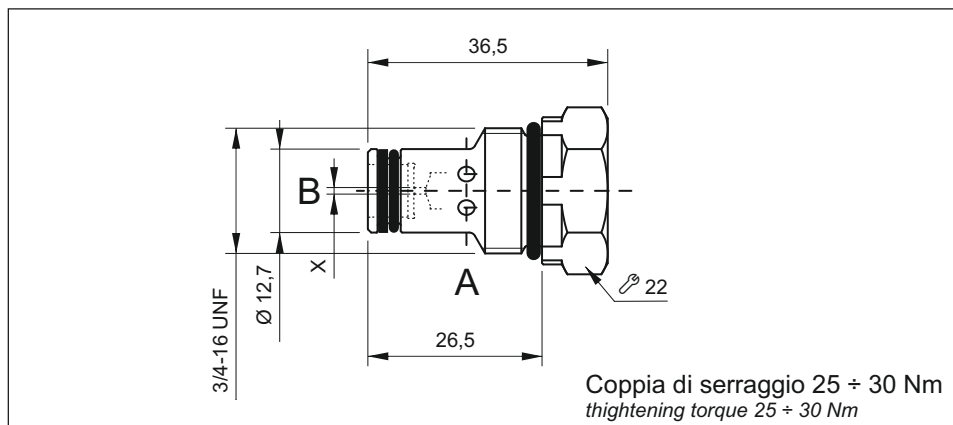
04

VSC6

Strozzatore fisso a pressione compensata
Fixed compensated pressure throttle



Caratteristiche principali main features	
Pressione max max pressure	250 bar
Portata max max flow	12 l/min
Peso weight	0,06 Kg



Flusso controllato - controlled flow

Code	Ø X [mm]
VSC60	chiusa closed
VSC6A	0,8
VSC6B	1
VSC6C	1,25
VSC6D	1,5
VSC6E	1,75
VSC6F	1,8
VSC6G	1,9
VSC6H	2
VSC6I	2,25
VSC6L	2,6

NB: Portata nominale controllata, misurata con Δp di 50bar. La caduta di pressione può variare a seconda della viscosità e della temperatura.

Note: nominal controlled flow, measured with Δp of 50bar. Pressure drop may change depending on fluid viscosity and temperature.

Codice ordinazione - ordering code

V	S	C	6	C	0
1	2	3	4		

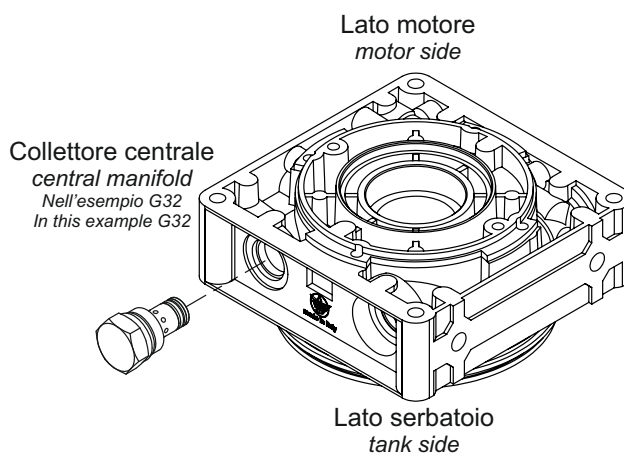
1 Tipo di valvola - valve type VSC
2 Grandezza nominale - nominal size 3/4"-16 UNF

3 Flusso controllato - controlled flow

4 Serie - series

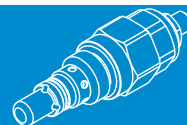
A = 1,0 lt/min D = 4,0 lt/min G = 7,0 lt/min L = 12 lt/min
B = 2,0 lt/min E = 5,0 lt/min H = 8,0 lt/min 0 = chiusa - closed
C = 3,0 lt/min F = 6,0 lt/min I = 10 lt/min

0 = Standard



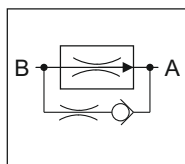
04

Valvole e tappi valves and plugs

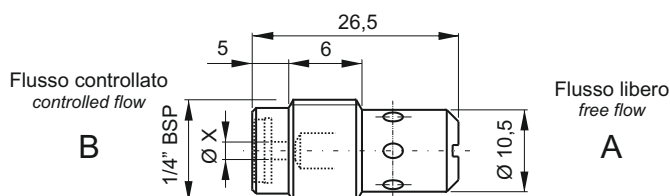


VSC01

Strozzatore fisso a pressione compensata
Fixed compensated pressure throttle



Caratteristiche principali main features	
Pressione max max pressure	250 bar
Portata max max flow	12 l/min
Peso weight	0,015 Kg



Coppia di serraggio 6 Nm
tightening torque 6 Nm

Flusso controllato - controlled flow

Code	ø X [mm]
VSC010	chiusa closed
VSC01A	1
VSC01B	1,2
VSC01C	1,5
VSC01D	1,7
VSC01E	1,9
VSC01F	2,1
VSC01G	2,3
VSC01H	2,4
VSC01I	2,8
VSC01L	3,3

NB: Portata nominale controllata, misurata con Δp di 50bar. La caduta di pressione può variare a seconda della viscosità e della temperatura.

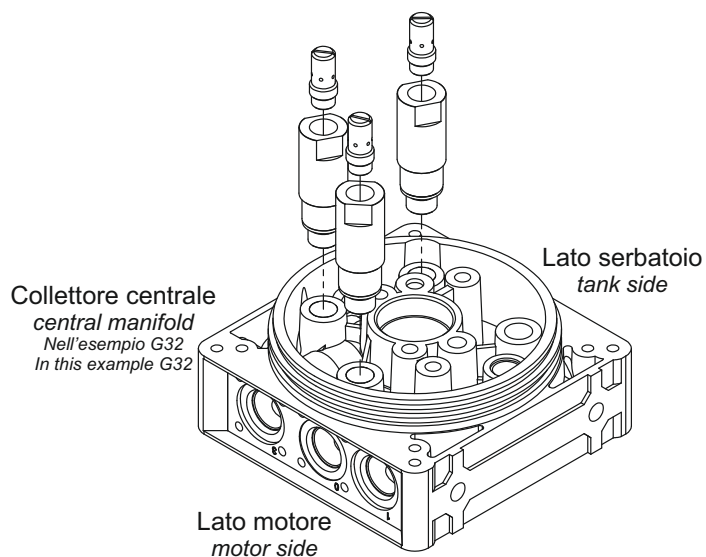
Note: nominal controlled flow, measured with Δp of 50bar. Pressure drop may change depending on fluid viscosity and temperature.

Codice ordinazione - ordering code

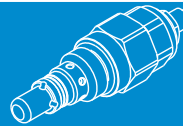
V	S	C	0	1	E	0
1	2	3	4			

1	Tipo di valvola - valve type	2	Grandezza nominale - nominal size
	VSC		1/4" BSP

3	Flusso controllato - controlled flow	4	Serie - series
	A = 1,0 lt/min D = 4,0 lt/min G = 7,0 lt/min L = 12 lt/min B = 2,0 lt/min E = 5,0 lt/min H = 8,0 lt/min O = chiusa - closed C = 3,0 lt/min F = 6,0 lt/min I = 10 lt/min		0 = Standard



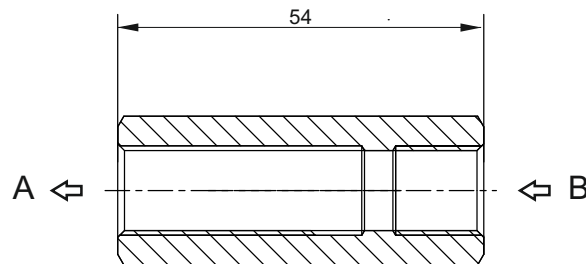
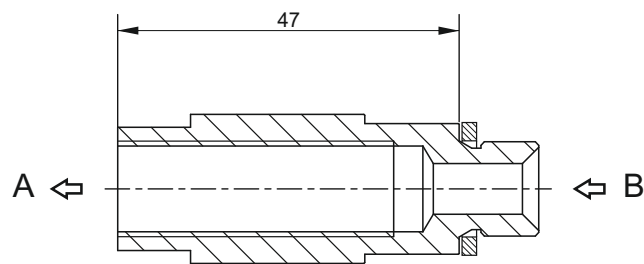
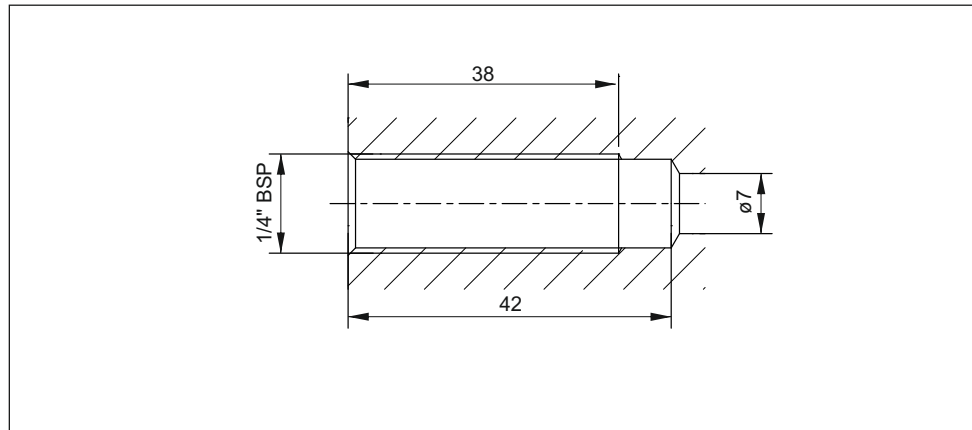
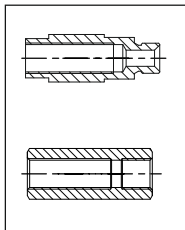
Valvole e tappi valves and plugs



04

CMF

Corpo per montaggio in linea VSC
Body for VSC in-line mount

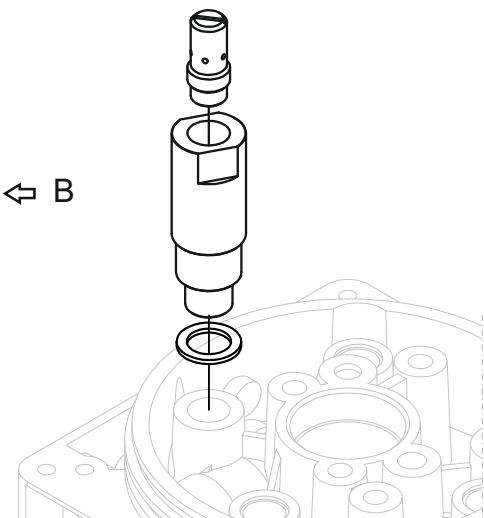


Code	Tipo type
CMF059	F - M
CMF060	F - F

Codice ordinazione - ordering code

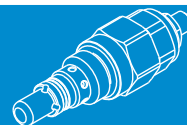
C	M	F	0	5	9	0
1		2		3		

1	Corpo - body	2	Tipo - type	3	Serie - series
	CMF		059 = MF (Std) 060 = FF		0 = Standard



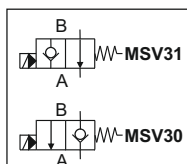
04

Valvole e tappi valves and plugs



MSV

Valvola elettrica pilotata singola tenuta
Pilot operated two-ways single locking solenoid valve



Caratteristiche principali main features	
Pressione max max pressure	350 bar
Portata max max flow	40 l/min
Peso (con bobina) weight (with coil)	0,27 Kg

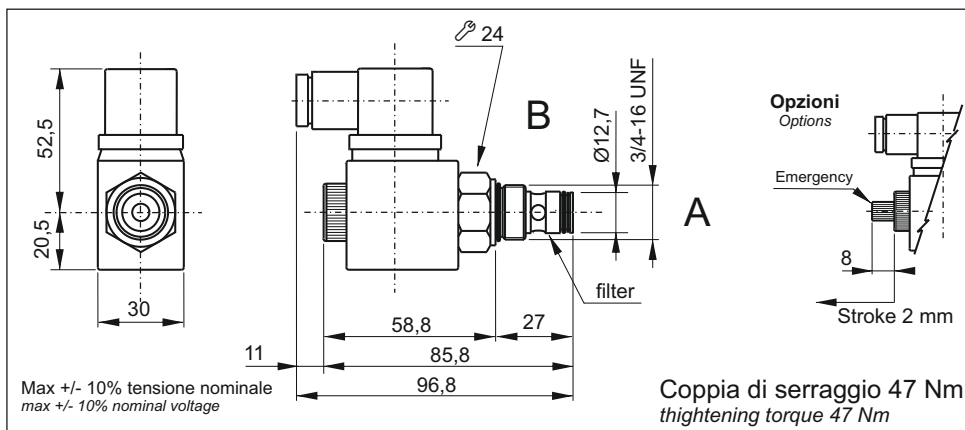
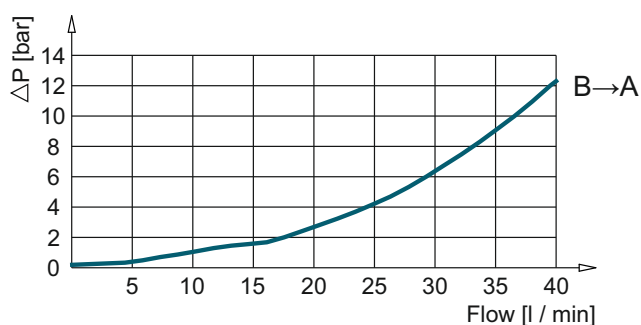


Diagramma perdita di carico - pressure drop diagram



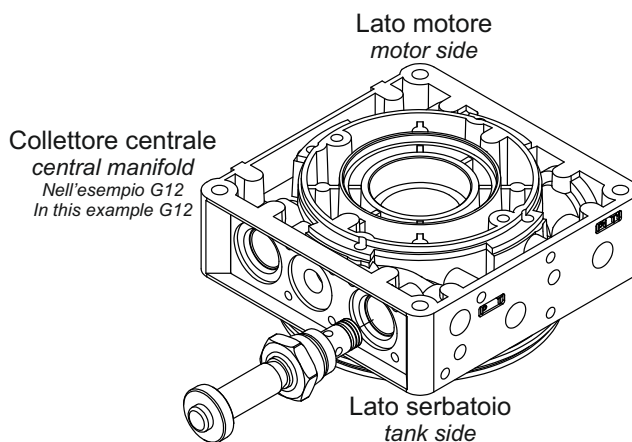
Tipologia valvola valve type	Tipologia bobina coil type	Potenza assorbita power consumption
MSV3000	HDB...DC/RAC	18W
MSV30E0	HDB...DC/RAC	18W
MSV3100	HDB...DC/RAC	18W
MSV31E0	HDB...DC/RAC	18W

NB: Valori misurati sulla sola valvola.
La perdita di carico potrebbe variare a seconda della viscosità del liquido e della temperatura. Le curve sopra riportate sono state ottenute alla temperatura di 40°C, utilizzando olio con viscosità 46 cSt.
Note: Values measured on valve alone. Pressure drop may change depending on fluid viscosity and temperature. The curves above, have been obtained at 40°C, using oil with viscosity 46 cSt.

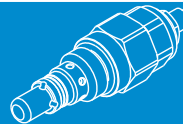
Codice ordinazione - ordering code

M	S	V	3	0	0	0
1			2	3	4	

1 Tipo di valvola - valve type MSV	2 Operazione - operation 30 = normalmente chiusa - normally closed 31 = normalmente aperta - normally open	3 Opzioni - options 0 = Senza opzioni - no options (Std) E = Comando manuale - manual override
4 Serie - series 0 = Standard		



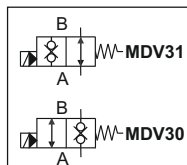
Valvole e tappi valves and plugs



04

MDV

Valvola elettrica pilotata doppia tenuta
Direct operated two-ways double locking solenoid valve



Caratteristiche principali main features	
Pressione max max pressure	250 bar
Portata max max flow	15 l/min
Peso (con bobina) weight (with coil)	0,35 Kg

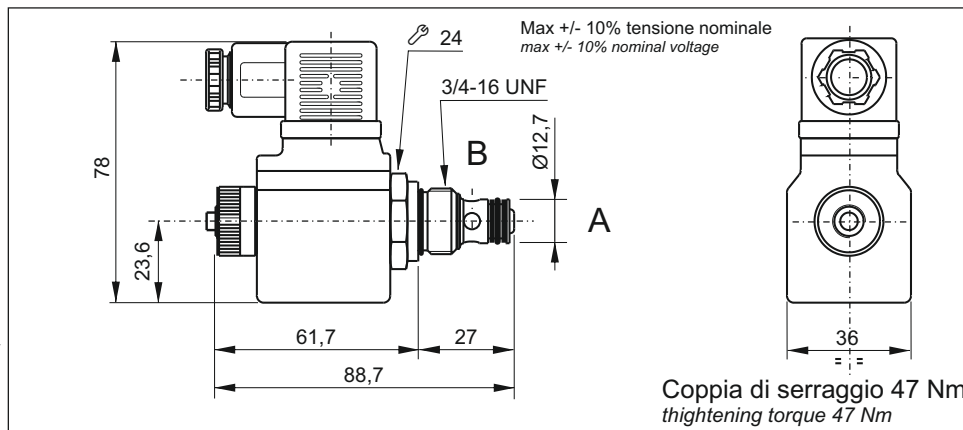
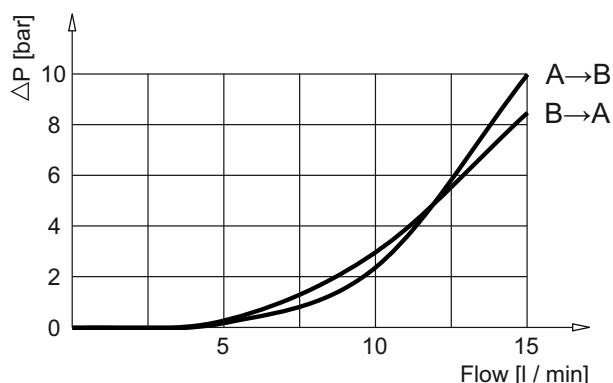


Diagramma perdita di carico - pressure drop diagram



Tipologia valvola valve type	Tipologia bobina coil type	Potenza assorbita power consumption
MDV30E0	HDB...DC/RAC	22W
MDV31E0	HDB...DC/RAC	22W

NB: Valori misurati sulla sola valvola.

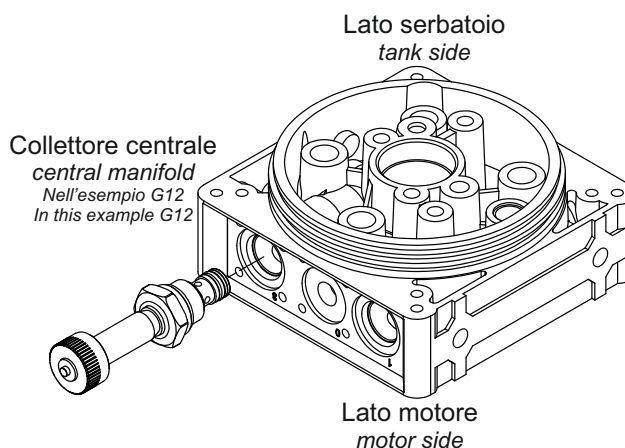
La perdita di carico potrebbe variare a seconda della viscosità del liquido e della temperatura. Le curve sopra riportate sono state ottenute alla temperatura di 40°C, utilizzando olio con viscosità 46 cSt.

Note: Values measured on valve alone. Pressure drop may change depending on fluid viscosity and temperature. The curves above, have been obtained at 40°C, using oil with viscosity 46 cSt.

Codice ordinazione - ordering code

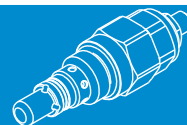
M	D	V	3	0	E	0
1	2	3	4			

1 Tipo di valvola - valve type MDV	2 Operazione - operation 30 = normalmente chiusa - normally closed 31 = normalmente aperta - normally open	3 Opzioni - options E = Comando manuale - manual override
4 Serie - series 0 = Standard		



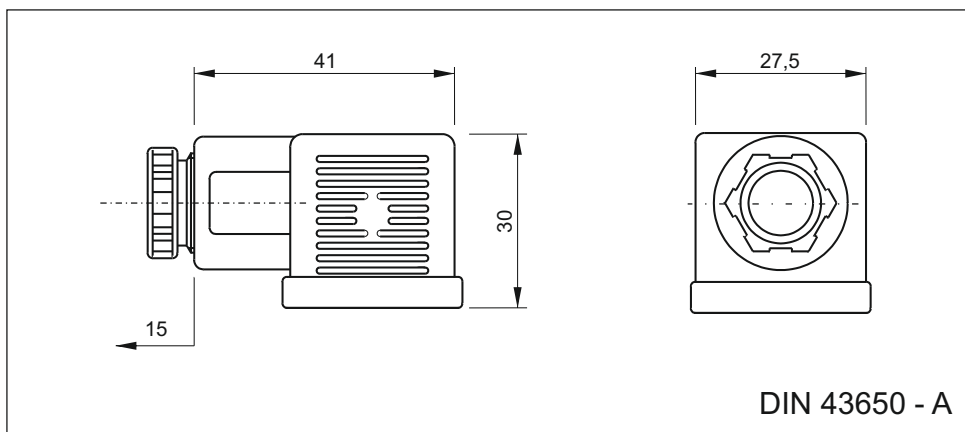
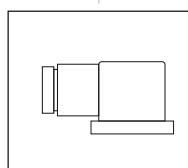
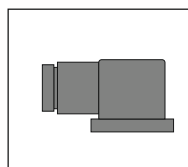
04

Valvole e tappi valves and plugs



AM

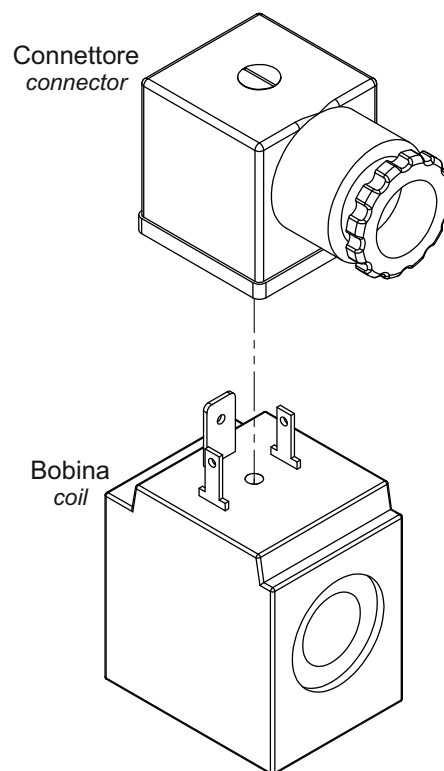
Connettori elettrici
Electric connectors



HDB

Bobine
coils

cod. connettore connector code	cod. bobina coil code
18 W Potenza - power	
AM5111, AM5128/1	HDB0012DC0
AM5111, AM5128/2	HDB0024DC0
AM5111/RD, AM5128/2/RD	HDB024RAC0
AM5111/RD, AM5128/3/RD	HDB220RAC0



Codici ordinazione - ordering codes

A M 5 1 2 8 / 2 / R D
1 2 3

1 Connettore - connector

AM5111 = nero - black (Std)
AM5128 = luminoso - LED

2 Tensione (solo LED) - voltage (only LED)

1 = 12 V
2 = 24 V
3 = 110 - 220 V

3 Raddrizzatore - rectifier

RD = con raddrizzatore - with rectifier
Omettere se non richiesto - omit if not request

Per connettore AM5111 omettere punto 2 - for AM5111 omit point 2

H D B 2 2 0 R A C 0
1 2 3

1 Bobina - coil

HDB = 18W

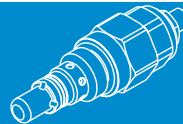
2 Tensione - voltage

0012DC, 0024DC = corrente continua - DC current
024RAC, 220RAC = corrente raddrizzata - RAC current

3 Serie - series

0 = Standard

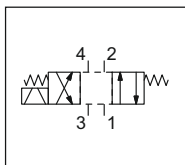
Valvole e tappi valves and plugs



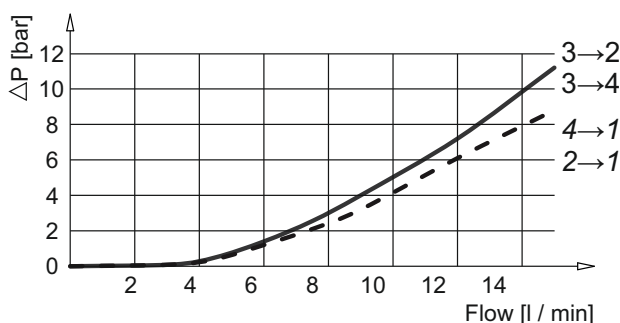
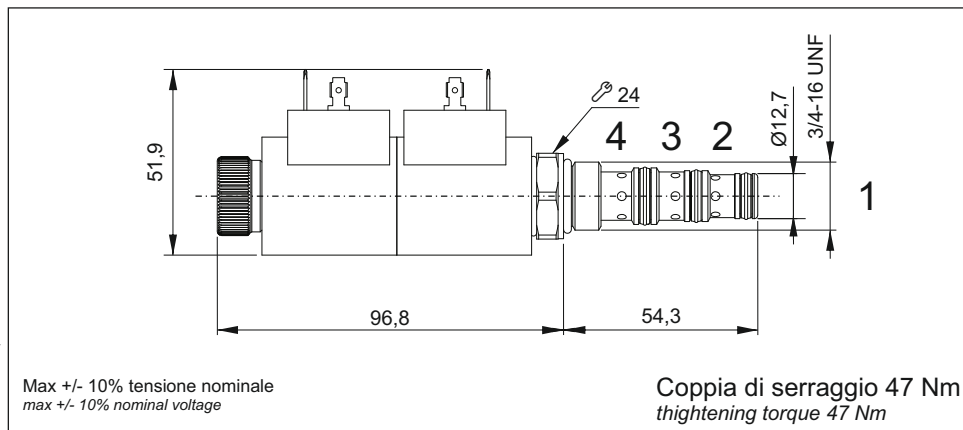
04

MQV

Valvola elettrica 4/3 a cartuccia
4/3 cartridge solenoid valve



Caratteristiche principali main features	
Pressione max max pressure	210 bar
Portata max max flow	12 l/min
Peso (senza bobine) weight (without coil)	0,19 Kg



Schema idraulico - hydraulic scheme	
Code	Schema - scheme
C0	
H0	
Y0	
T0	
X1	

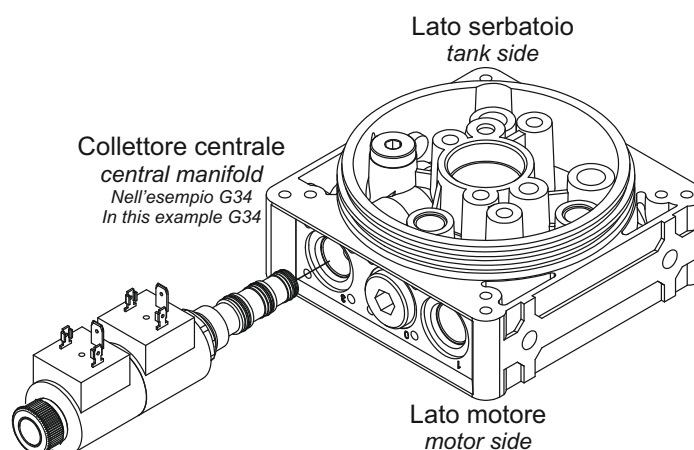
NB: Valori misurati sulla sola valvola.

La perdita di carico potrebbe variare a seconda della viscosità del liquido e della temperatura. Le curve sopra riportate sono state ottenute alla temperatura di 40°C, utilizzando olio con viscosità 46 cSt.

Note: Values measured on valve alone. Pressure drop may change depending on fluid viscosity and temperature. The curves above, have been obtained at 40°C, using oil with viscosity 46 cSt.

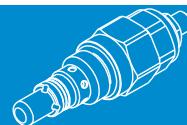
Codice ordinazione - ordering code

M	Q	V	C	0	0
1			2		3



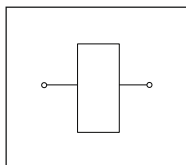
1 Tipo di valvola - valve type	2 Schema idraulico - hydraulic scheme	3 Serie - series
MQV	C0 = centri chiusi - closed centers H0 = centro H - center H Y0 = P chiuso - closed P T0 = centro tandem (P in T) - center tandem (P in T) X1 = incrociato parallelo - cross-parallel	0 = Standard

Valvole e tappi valves and plugs

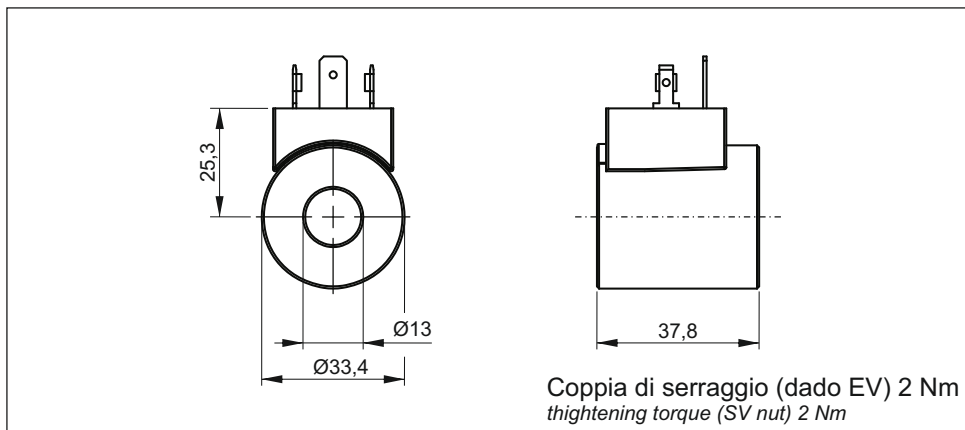


HDQ

Bobine per valvola MDQ
Coils for MDQ valves

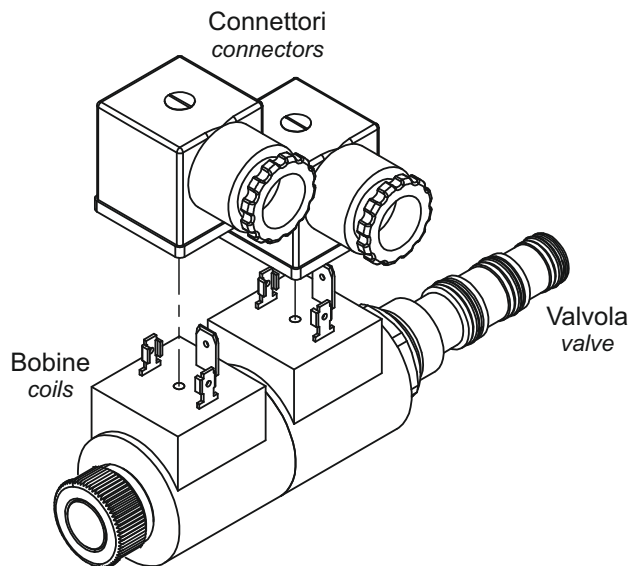


Caratteristiche principali main features	
Connettore connector	DIN 43650
Tensione nominale nominal voltage	±10%
Resistenza 12 Vdc 12 Vdc resistance	6,6 Ω ±10%
Resistenza 24 Vdc 24 Vdc resistance	27 Ω ±10%
Classe isolamento insulation class	H
Classe protezione protection class	IP 65



NB: Valori di riferimento alla temperatura di 20°C.
Classe di protezione con connettore montato.
Servizio 100% con temperatura ambiente -20°C +40°C.
Note: Reference values at temperature of 20°C.
Protection class with connector installed.
ED 100% with ambient temperature -20°C +40°C.

cod. connettore connector code	cod. bobina coil code
20,5 W Potenza - power	
AM5111, AM5128/1	HDQ0012DC0
AM5111, AM5128/2	HDQ0024DC0

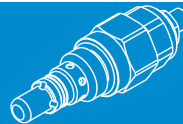


Codici ordinazione - ordering codes

H	D	Q	0	0	2	4	D	C	0
1					2				3

1 Bobina - coil HDQ = 20,5W	2 Tensione - voltage 0012DC, 0024DC = corrente continua - DC current	3 Serie - series 0 = Standard
--------------------------------	---	----------------------------------

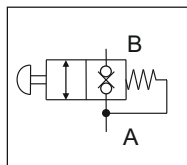
Valvole e tappi valves and plugs



04

CPE

Valvola direzionale a due vie con comando a pulsante
Button operated two-ways directional valve



Caratteristiche principali main features	
Pressione max max pressure	320 bar
Portata max max flow	15 l/min
Peso weight	0,12 Kg

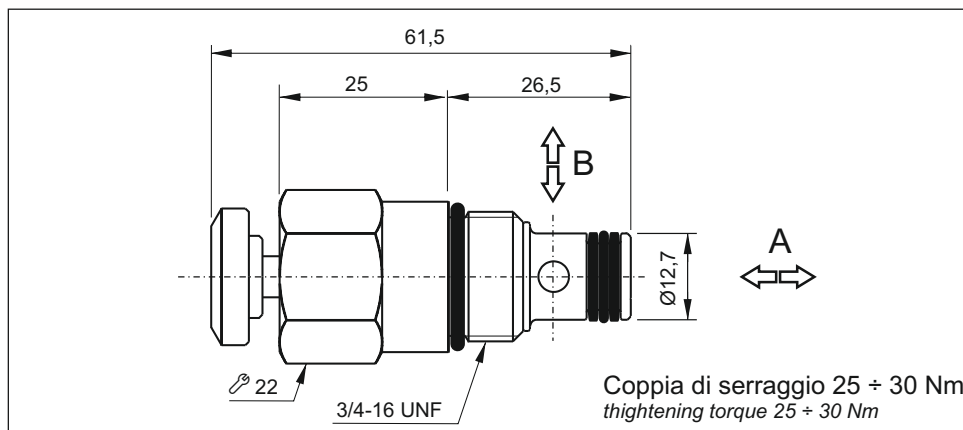
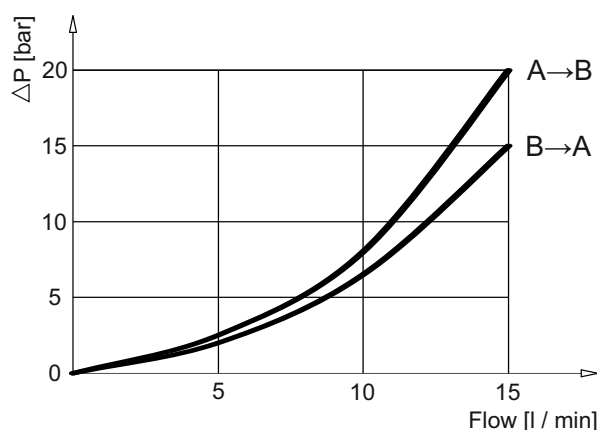


Diagramma perdita di carico - pressure drop diagram



NB: Valori misurati sulla sola valvola.

La perdita di carico potrebbe variare a seconda della viscosità del liquido e della temperatura. Le curve sopra riportate sono state ottenute alla temperatura di 40°C, utilizzando olio con viscosità 46 cSt.

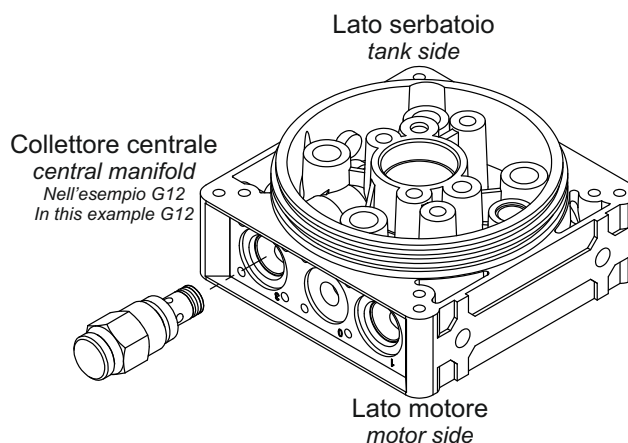
Note: Values measured on valve alone. Pressure drop may change depending on fluid viscosity and temperature. The curves above, have been obtained at 40°C, using oil with viscosity 46 cSt.

Codice ordinazione - ordering code

C	P	E	0	4	P	0
1	2	3	4			

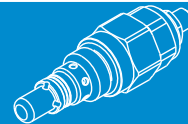
1 Tipo di valvola - valve type CPE	2 Grandezza nominale - nominal size 3/4"-16 UNF	3 Dispositivo di comando - operation device P = bottone - press button
---------------------------------------	--	---

4 Serie - series 0 = Standard



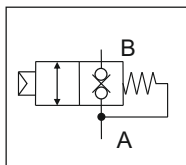
04

Valvole e tappi valves and plugs



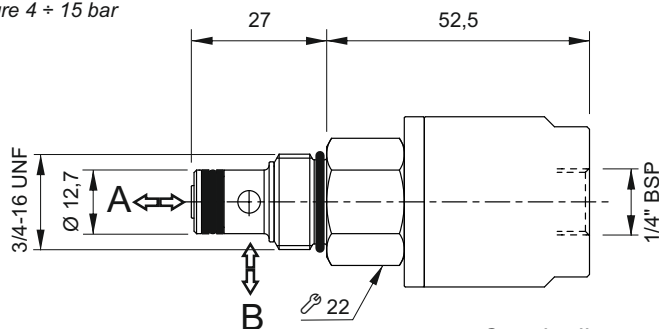
VPN

Valvola direzionale a due vie a cartuccia con comando pneumatico
Pneumatic operated two-ways directional cartridge valve



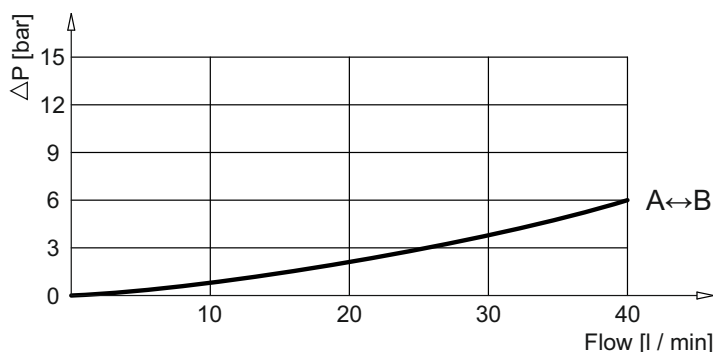
Caratteristiche principali main features	
Pressione max max pressure	350 bar
Portata max max flow	40 l/min
Peso weight	0,16 Kg

Pressione di pilotaggio 4 ÷ 15 bar
pilot pressure 4 ÷ 15 bar



Coppia di serraggio 25 ÷ 30 Nm
tightening torque 25 ÷ 30 Nm

Diagramma perdita di carico - pressure drop diagram



NB: Valori misurati sulla sola valvola.

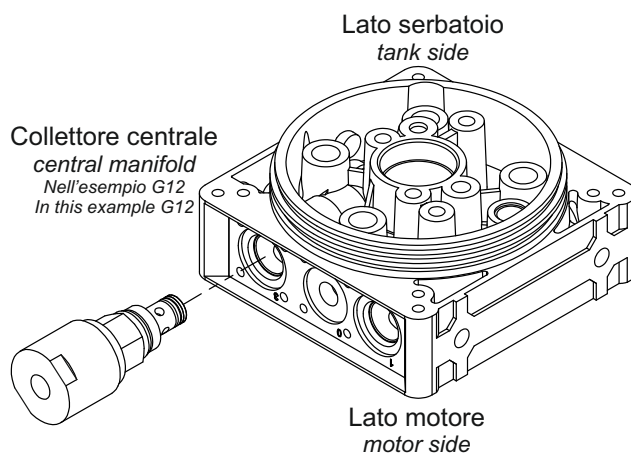
La perdita di carico potrebbe variare a seconda della viscosità del liquido e della temperatura. Le curve sopra riportate sono state ottenute alla temperatura di 40°C, utilizzando olio con viscosità 46 cSt.

Note: Values measured on valve alone. Pressure drop may change depending on fluid viscosity and temperature. The curves above, have been obtained at 40°C, using oil with viscosity 46 cSt.

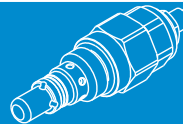
Codice ordinazione - ordering code

V	P	N	0
1	2		

1 Tipo di valvola - valve type	2 Serie - series
VPN	0 = Standard



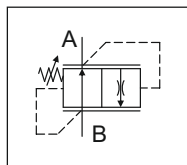
Valvole e tappi valves and plugs



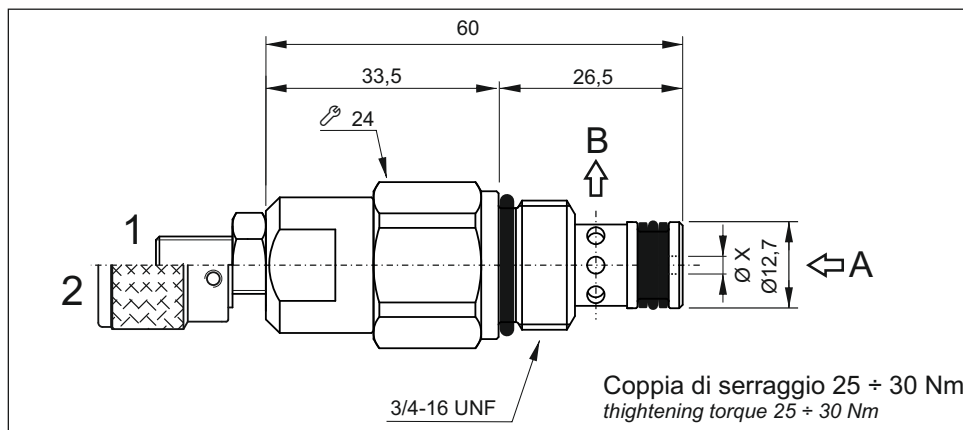
04

CSC04

Valvola di controllo flusso compensata regolabile
Adjustable compensated flow control valve



Caratteristiche principali main features	
Pressione max max pressure	350 bar
Portata max max flow	18 l/min
Peso weight	0,21 Kg

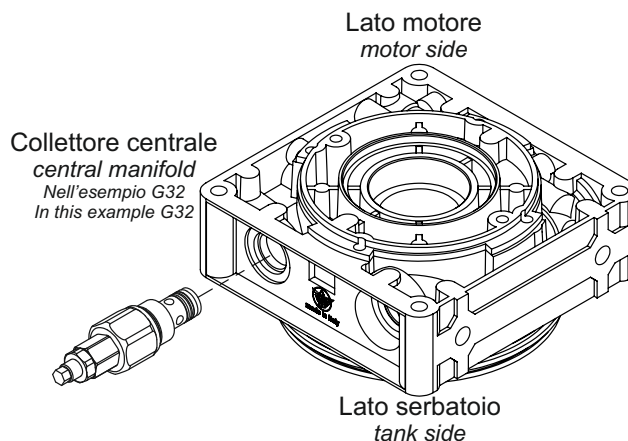


Flusso controllato - controlled flow

Code	Ø X [mm]
CSC04A	0,9
CSC04B	1
CSC04C	1,3
CSC04D	1,5
CSC04E	1,7
CSC04F	2,2
CSC04G	2,8

NB: Portata nominale controllata, misurata con Δp di 50bar. La caduta di pressione può variare a seconda della viscosità e della temperatura.

Note: nominal controlled flow, measured with Δp of 50bar. Pressure drop may change depending on fluid viscosity and temperature.

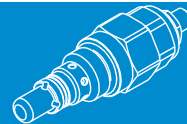


Codice ordinazione - ordering code

C	S	C	0	4	C	1	0
1				2 3 4			

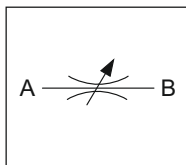
1 Tipo di valvola - valve type	2 Flusso controllato - controlled flow		
CSC04	A = 0,6 ÷ 2,2 lt/min	D = 1,9 ÷ 6,8 lt/min	G = 7,2 ÷ 18,0 lt/min
	B = 0,8 ÷ 3,0 lt/min	E = 2,6 ÷ 9,1 lt/min	
	C = 1,3 ÷ 5,1 lt/min	F = 4,0 ÷ 14,4 lt/min	
3 Dispositivo di regolazione - adjusting device	4 Serie - series		
1 = Vite - screw (standard)	0 = Standard		
2 = Manopola - handknob			

Valvole e tappi valves and plugs



CSB

Valvola bidirezionale di controllo di flusso
Bidirectional flow control valve



Caratteristiche principali main features	
Pressione max max pressure	300 bar
Portata max max flow	20 l/min
Peso weight	0,09 Kg

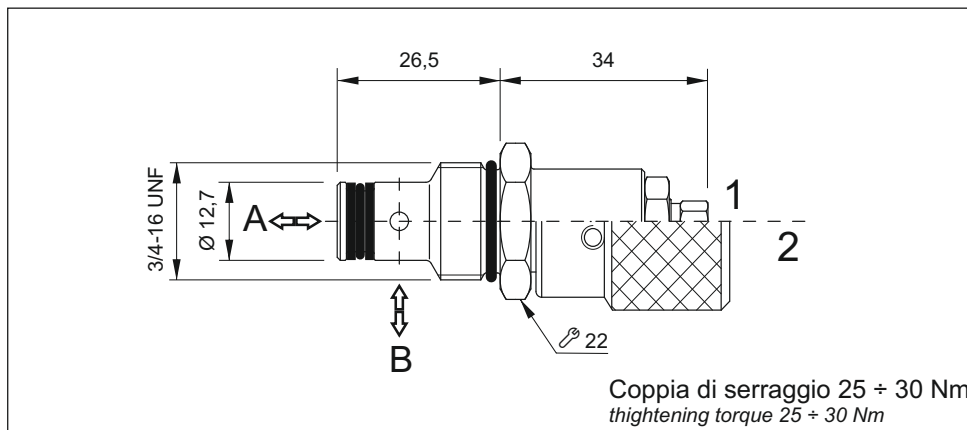
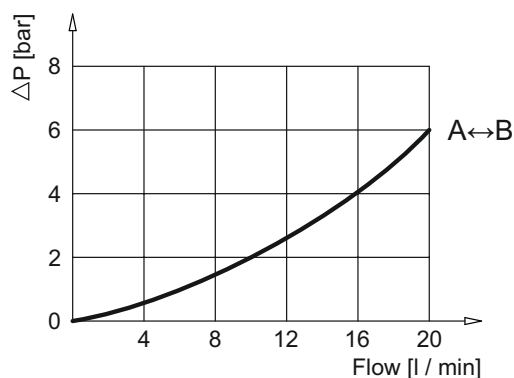


Diagramma perdita di carico - pressure drop diagram



NB: Valori misurati sulla sola valvola.

La perdita di carico potrebbe variare a seconda della viscosità del liquido e della temperatura. Le curve sopra riportate sono state ottenute alla temperatura di 40°C, utilizzando olio con viscosità 46 cSt.

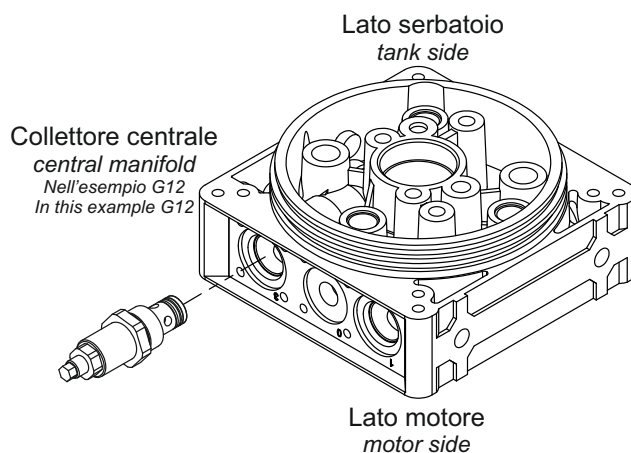
Note: Values measured on valve alone. Pressure drop may change depending on fluid viscosity and temperature. The curves above, have been obtained at 40°C, using oil with viscosity 46 cSt.

Codice ordinazione - ordering code

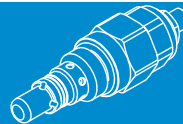
C	S	B	0	4	C	0
1	2	3	4			

1 Tipo di valvola - valve type CSB	2 Grandezza nominale - nominal size 3/4"-16 UNF	3 Dispositivo di regolazione - adjusting device C = Vite - screw (standard) V = Manopola - handknob
---------------------------------------	--	---

4 Serie - series 0 = Standard



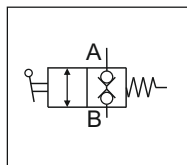
Valvole e tappi valves and plugs



04

CM04L

Valvola direzionale a due vie a cartuccia con comando a leva
Lever operated two-ways directional valve



Caratteristiche principali main features	
Pressione max max pressure	320 bar
Portata max max flow	25 l/min
Peso weight	0,39 Kg

NB: Valori misurati sulla sola valvola.
La perdita di carico potrebbe variare a seconda della viscosità del liquido e della temperatura.
Note: Values measured on valve alone. Pressure drop may change depending on fluid viscosity and temperature.

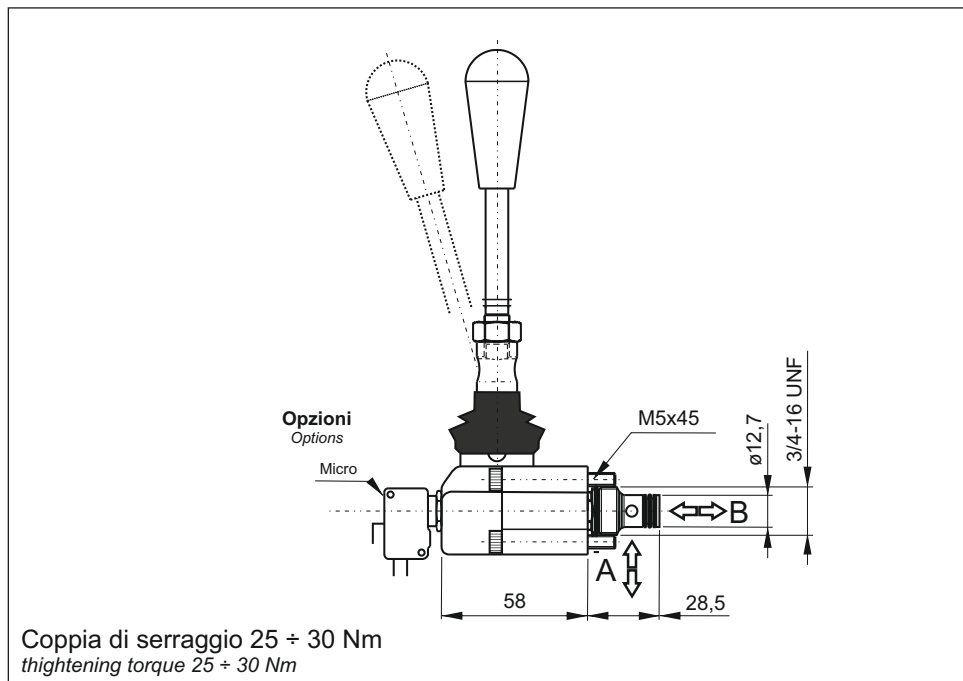
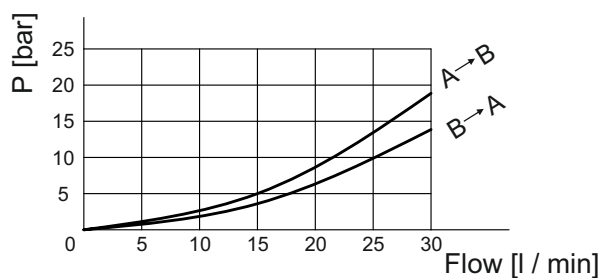


Diagramma perdita di carico - pressure drop diagram



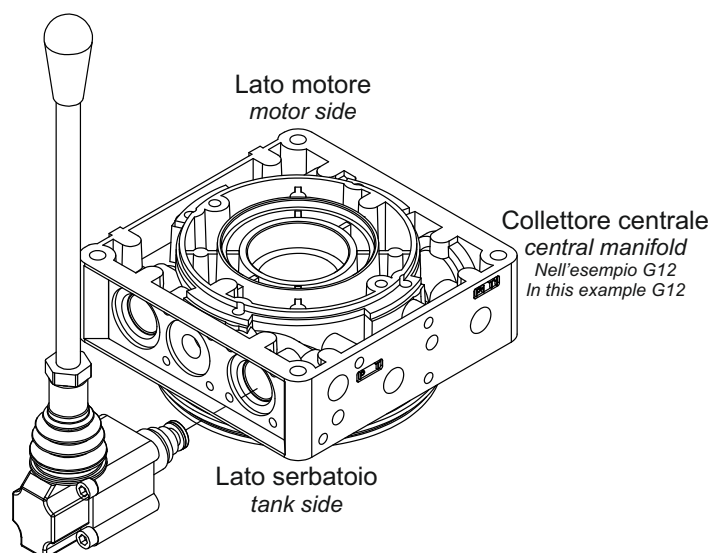
Le curve sopra riportate sono state ottenute alla temperatura di 40°C, utilizzando olio con viscosità 46 cSt.
The curves above, have been obtained at 40°C, using oil with viscosity 46 cSt.

Codice ordinazione - ordering code

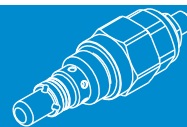
C M 0 4 L M 0

1 2 3

1 Tipo di valvola - valve type	2 Opzioni - options	3 Serie - series
CM04L	0 = senza micro - without micro (Std) M = con micro - with micro	0 = Standard

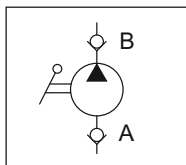


Valvole e tappi valves and plugs



PM02

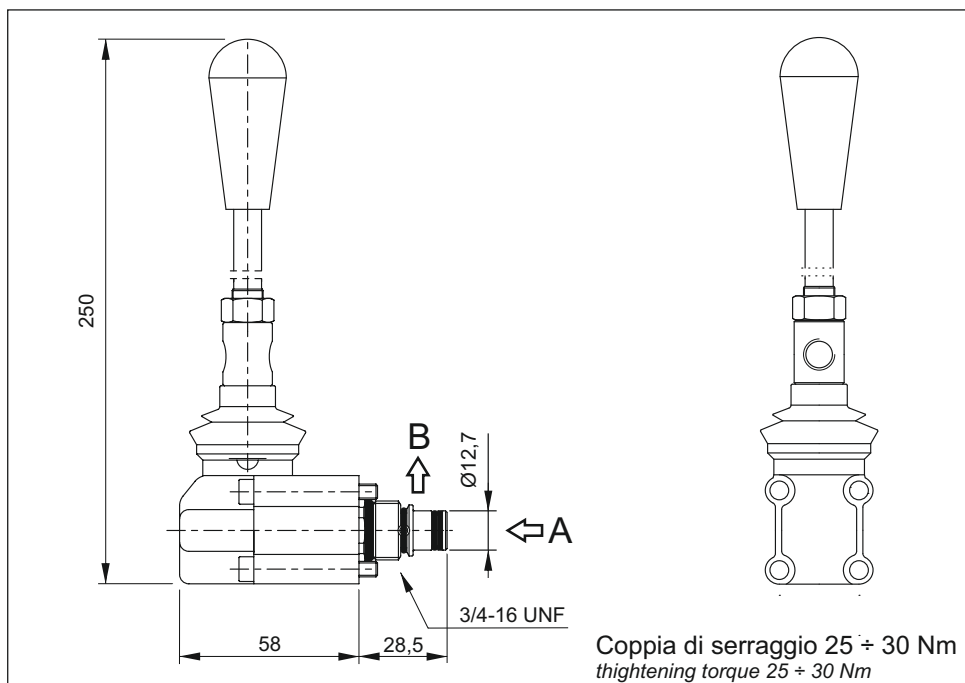
Pompa manuale doppio effetto
Double acting hand pump



Caratteristiche principali main features

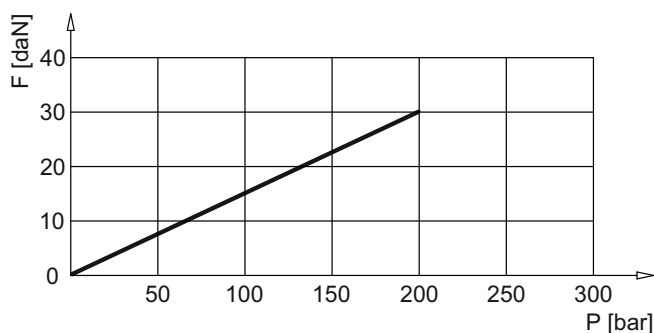
Pressione max max pressure	200 bar
Cilindrata displacement	2 cc
Peso weight	0,40 Kg

NB: Valori misurati sulla sola valvola.
Note: Values measured on valve alone.



Coppia di serraggio 25 ÷ 30 Nm
tightening torque 25 ÷ 30 Nm

Diagramma forze azionamento - actuating forces diagram

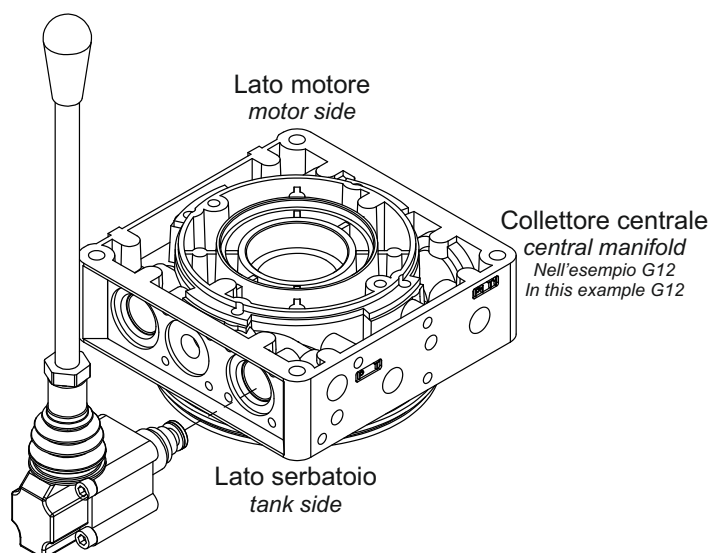


Codice ordinazione - ordering code

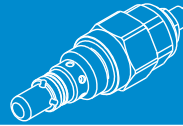
P M 0 2 0
1 2

1 Tipo di valvola - valve type
PM02

2 Serie - series
0 = Standard

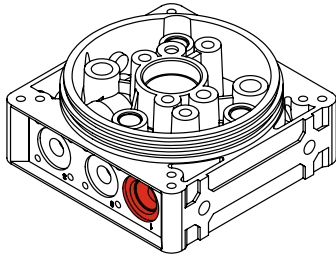


Valvole e tappi valves and plugs



04

CAV. 1



Collettori - manifolds

Tutti - all

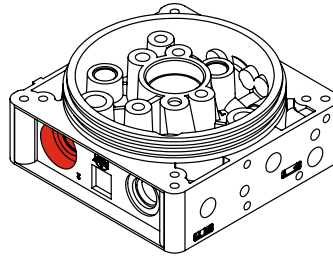
Cavità - cavity

3/4"-16 UNF-2B

Valvole - valves

VUC20
CSB04
T0A4
T0C1

CAV. 2



Collettori - manifolds

Tutti - all

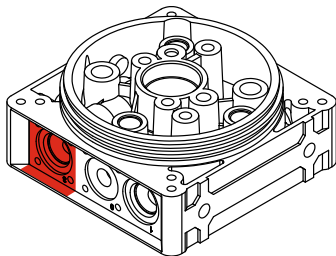
Cavità - cavity

M20x1,5
3/4"-16 UNF-2B (std)

Valvole - valves

VMDC35 (G10)
T0VM
VMDC30

CAV. 3



Collettori - manifolds

G12, G22, G32

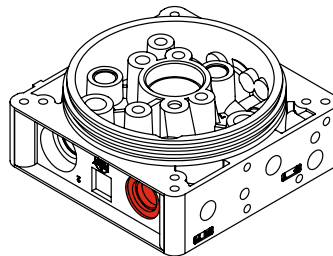
Cavità - cavity

3/4"-16 UNF-2B

Valvole - valves

MSV	PM02
MDV	CM04L
MQV	T0C2
VPN	T0A2
CPE	T0A3
CSB04	

CAV. 4



Collettori - manifolds

G22, G32

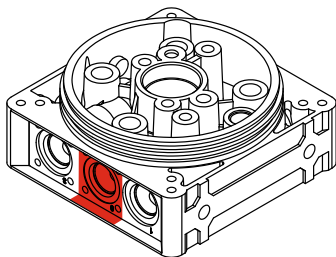
Cavità - cavity

3/4"-16 UNF-2B

Valvole - valves

CSC04
CSB04
VSC6
T0A2
T0C1

CAV. 0



Collettori - manifolds

G32

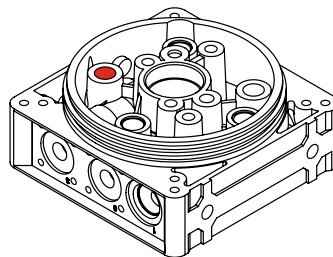
Cavità - cavity

3/4"-16 UNF-2B

Valvole - valves

MSV	PM02
MDV	CM04L
VPN	T0C2
CPE	T0A2
CSB04	T0A3

CAV. 5



Collettori - manifolds

Tutti - all

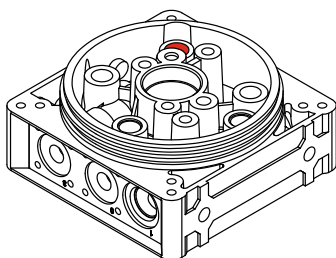
Cavità - cavity

G 1/4"

Valvole - valves

VSC

CAV. 6



Collettori - manifolds

Tutti - all

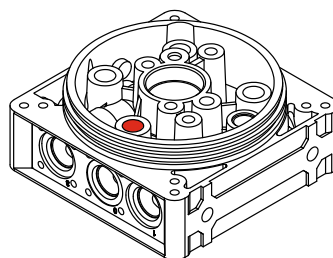
Cavità - cavity

G 1/4"

Valvole - valves

VSC

CAV. 7



Collettori - manifolds

G32

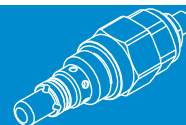
Cavità - cavity

G 1/4"

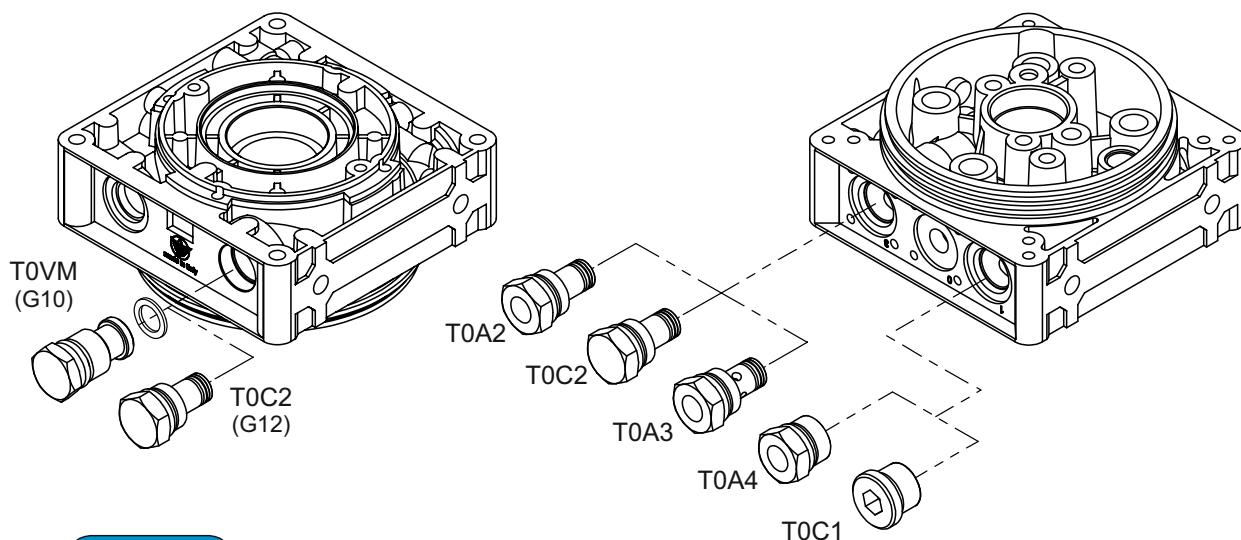
Valvole - valves

VSC



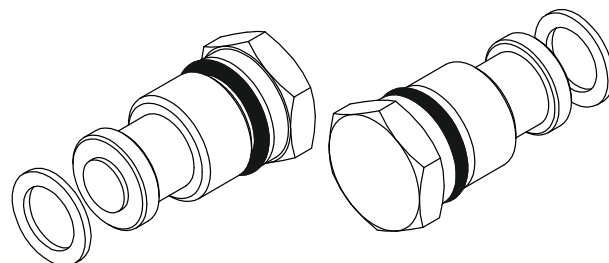
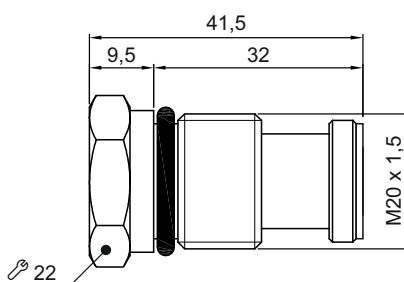
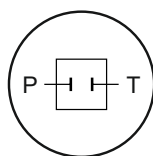


Tappi funzionali - function plugs



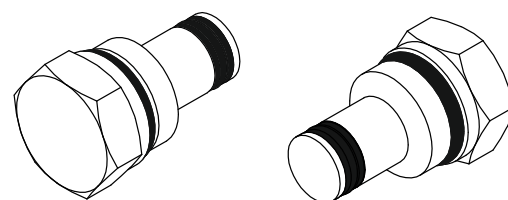
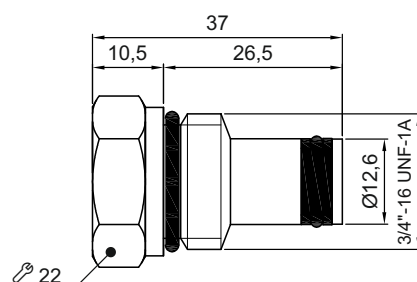
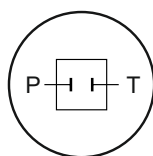
T0VM

Simbolo
symbol

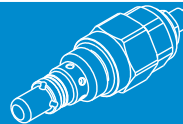


T0C2

Simbolo
symbol



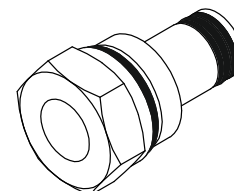
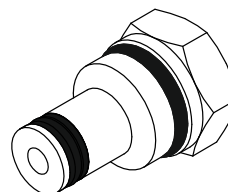
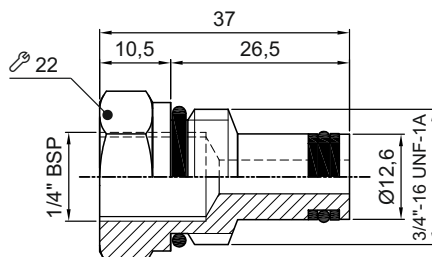
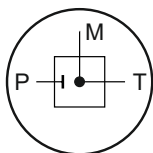
Valvole e tappi valves and plugs



04

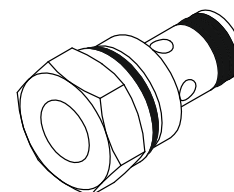
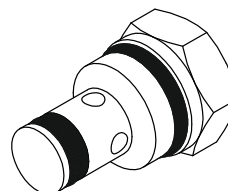
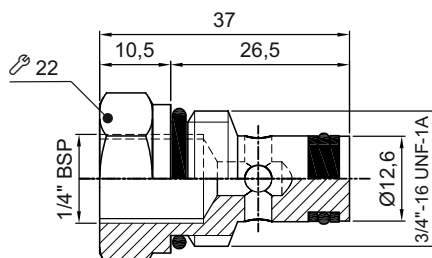
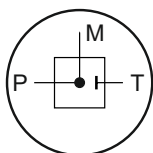
T0A2

Simbolo
symbol



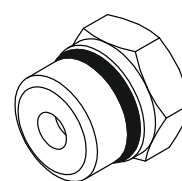
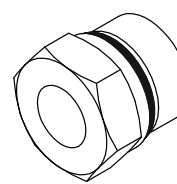
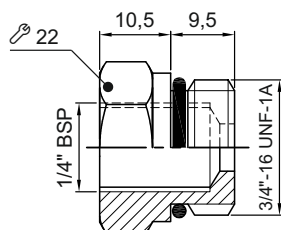
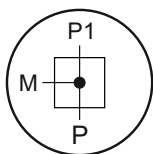
T0A3

Simbolo
symbol



T0A4

Simbolo
symbol



T0C1

Simbolo
symbol

