

# Minicentrali Oleodinamiche

## Hydraulic Compact Power Unit

V.11/2024



[www.nexoil.it](http://www.nexoil.it)



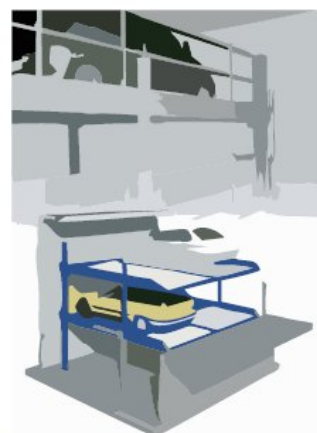
# Minicentrali Oleodinamiche

## Hydraulic Compact Power Unit

*Cat. Code 3320959*

# Applicazioni tipiche

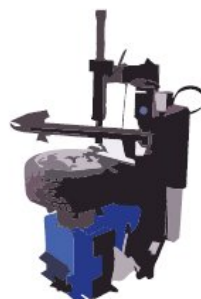
*Typical applications*



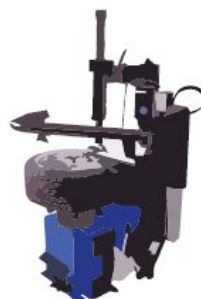
- **Sollevatori auto** - Car lifters
- **Piattaforme di sollevamento** - Lifting platforms
- **Ribaltabili** - Dump Trucks
- **Livellatori di carico** - Tail lifts
- **Rampe di carico** - Dock levelers
- **Portoni sezionali industriali** - Sectional industrial doors



- **Smontagomme** - Tyre changer
- **Presse** - Presses
- **Spaccalegna** - Log splitters
- **Segatrici a nastro** - Bandsaw machines
- **Macchine utensili** - CNC Machines
- **Gru idrauliche** - Hydraulic Cranes
- **Piegatrici** - Bending machines
- **Sistemi di parcheggio** - Parking systems



- **Torri faro** - Lighting towers
- **Passerelle idrauliche** - Hydraulic gangways



- **Macchine per il vetro** - Glass making machines
- **Macchine per la lavorazione della pietra** - Stone processing machines
- **Avvolgitori e svolgitori** - Uncoilers and recoilers



# Limiti di Funzionamento

*Typical applications*

## Temperatura

*Temperature*

80°C (con serbatoio in lamiera)

*80°C (with steel tanks)*

70°C (con serbatoio in PE)

*70°C (with PE tanks)*

## Viscosità

*Viscosity*

minima 12 mm<sup>2</sup>/s

*Min. 12 mm<sup>2</sup>/s*

massima 80 mm<sup>2</sup>/s

*max 80 mm<sup>2</sup>/s*

Viscosità massima all'avviamento 500 mm<sup>2</sup>/s

*Max viscosity at start up 500 mm<sup>2</sup>/s*

## Pressione

*Pressure*

Pressione massima in funzione della pompa e della valvola di massima montate

*Maximum pressure depending on pump and relief valve used*

# Installazione e precauzioni d'uso

## *Installation and precautions*

- 1) La centrale può essere fissata alle carpenterie tramite i fori M10 presenti sul corpo centrale, con i fori passanti da 11mm presenti sul piedino di supporto disponibile come accessorio, oppure tramite quelli presenti alla base dei serbatoi in lamiera.

*The unit can be fixed to frameworks by two M10 threaded holes on the central manifold, by two 11mm holes on the foot support available as optional or by the holes eventually available on the feet of the steel tanks.*

- 2) Preferibilmente le unità non devono essere a contatto con parti che possono trasmettere vibrazioni.

*If possible the power pack should not be in contact with parts which can transmit vibrations.*

- 3) Le centraline sono progettate per essere accoppiate a motori IEC in lega d'alluminio fino alla taglia 112. Se la centralina è fissata in posizione orizzontale sulla carpenteria di un altro apparato, è preferibile assemblare i motori in C.A. a posizionamento avvenuto.

*The power units are designed to be coupled with aluminum alloy AC IEC motors up to 112 frame. If the power pack is fixed horizontally on the framework of another apparatus and it has to be transported, we suggest to assemble AC motors when the positioning of the framework has been done.*

- 4) Il collegamento idraulico deve essere effettuato tramite raccordi con filettatura cilindrica e guarnizione di tenuta in rame o tramite raccordi cilindrici con o-ring sotto testa. Sono da evitare raccordi con filettatura conica che possono danneggiare le filettature del corpo centrale e/o dei blocchi modulari.

*Hydraulic piping should be made through cylindrical thread fittings and with copper seals or with cylindrical fittings with NBR o-rings under the head. It is to avoid the use of conical fittings which may damage the threads of the central manifold and of modular blocks.*

- 5) Verificare il senso di rotazione del motore con impulsi di 1 secondo (max.): guardando il motore, l'albero deve ruotare in senso antiorario, oppure collegare un manometro e azionando in modo appropriato le eventuali valvole.

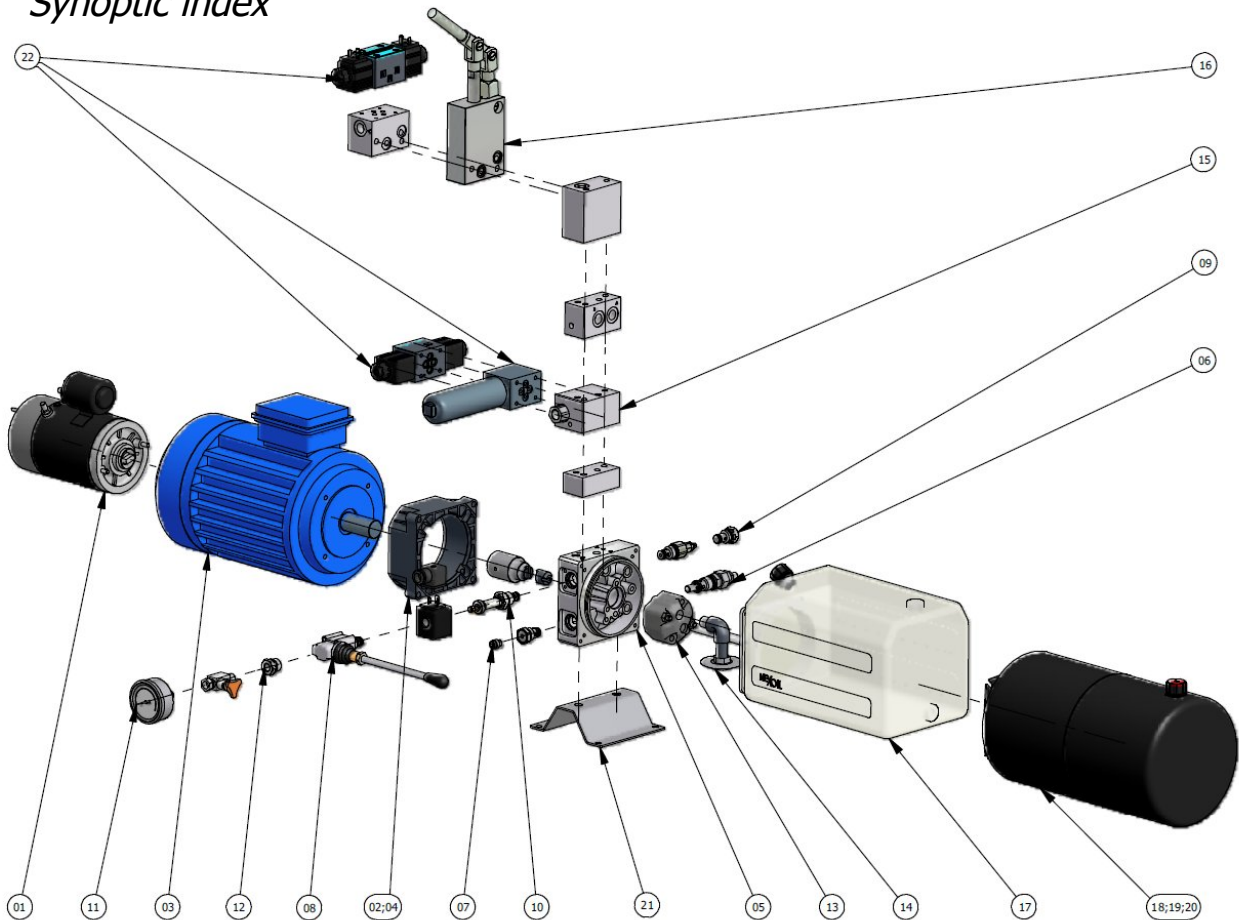
*When starting up a power pack, verify the direction of rotation of the motors by 1 sec max pulses: Looking at the motor head the motor shaft must rotate counterclockwise (CCW). rOwtishee plug a manometer and switch properly the eventual valves.*

- 6) Il serbatoio deve essere riempito con olio nuovo a base minerale ISO 6743/4 filtrando l'olio durante il riempimento.

*The tank must always be filled with new mineral oil according to ISO 6743/4 standards filtered during the fill.*

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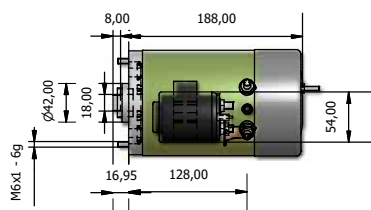
- 01 **Motori elettrici in corrente continua e accessori -**
- 02 **Accoppiamenti motori elettrici C.C.**
- 03 **Motori elettrici in corrente alternata**
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# 01 Motori elettrici in corrente continua e accessori

*Direct current electric motors and accessories*

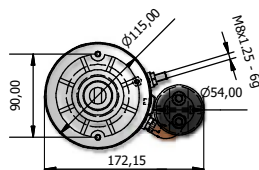


## R9083604

Motore 12V C.C. D.114mm con protezione termica e teleruttore di avviamento (DX)  
 12V D.114mm DC Motor with thermal protection and starting switch (CW)  
 12V DC 1.600W 200A 2.650 rpm S2 2 min S3 5% ED 7,4 kg

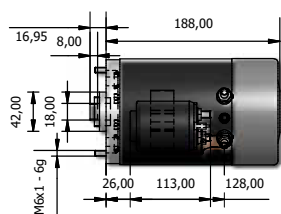
## R9083613

Motore 24V C.C. D.114mm con protezione termica e teleruttore di avviamento (DX)  
 24V D.115mm DC Motor with thermal protection and starting switch (CW)  
 24V DC 2.200W 200A 2,600 rpm S2 2 min S3 5% ED 7,6 kg



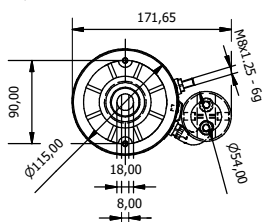
## R9083602 (AMJ-5197)

Motore 12V C.C. D.115mm con protezione termica e teleruttore di avviamento (DX)  
 12V D.115mm DC Motor with thermal protection and starting switch (CW)  
 12V DC 1,600W 230A 2.750 rpm S2 3 min S3 7,5% ED 7,2 kg



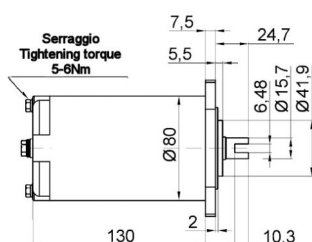
## R9083631 (AMJ-5196)

Motore 24V C.C. D.115mm con protezione termica e teleruttore di avviamento (DX)  
 24V D.115mm DC Motor with thermal protection and starting switch (CW)  
 24V DC 2,200W 120A 2,600 rpm S2 1,2 min S3 4,5% ED 7,2 kg



## R9083601

Motore 12V C.C. D.80 mm con protezione termica (Bidirezionale)  
 12V D.80 mm DC Motor with thermal protection (Bidirectional)  
 12V DC 500W 70A 2,300 rpm S2 2,5 min S3 10% ED 3,0 kg

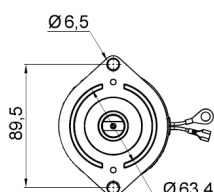


## R9083607

Motore 12V C.C. D.80 mm con protezione termica (Bidirezionale)  
 12V D.80 mm DC Motor with thermal protection (Bidirectional)  
 12V DC 800W 90A 3,100 rpm S2 2,5 min S3 10% ED 3,0 kg

## R9083606

Motore 24V C.C. D.80 mm con protezione termica (Bidirezionale)  
 24V D.80 mm DC Motor with thermal protection (Bidirectional)  
 24V DC 500W 35A 2,400 rpm S2 2,5 min S3 10% ED 3,0 kg



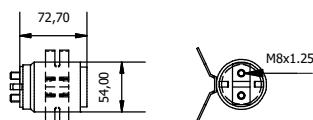
## R9083638

Motore 24V C.C. D.80 mm con protezione termica (Bidirezionale)  
 24V D.80 mm DC Motor with thermal protection (Bidirectional)  
 24V DC 800W 35A 3,100 rpm S2 2,5 min S3 10% ED 3,0 kg

# 01 Motori elettrici in corrente continua e accessori

*Direct current electric motors and accessories*

## R9295001 (ST12)



### Interruttore di avviamento 12V 150A 12V 150A starting switch

Corrente nominale 150A  
Nominal current 150A

Corrente di picco 350A  
Short time current 350A

Tensione nominale 12V DC  
Rated voltage 12V DC

Corrente massima in continuo  $\leq 150A$   
Maximum permanent current  $\leq 150A$

Temperatura di lavoro -20 + 50°C  
Working temperature -20 + 50°C

## R9295003 (ST24)



### Interruttore di avviamento 24V 150A 24V 150A starting switch

Corrente nominale 150A  
Nominal current 150A

Corrente di picco 350A  
Short time current 350A

Tensione nominale 24V DC  
Rated voltage 24V DC

Corrente massima in continuo  $\leq 150A$   
Maximum permanent current  $\leq 150A$

Temperatura di lavoro -20 + 50°C  
Working temperature -20 + 50°C

## R7115152 (KST-90)



### Kit montaggio teleruttore motore C.C. D.80 mm Starting switch assembly kit D.80 DC Motor

**R8278002 (TCU80)** Treccia in rame isolata L=80 mm  
Isolated copper braid L=80 mm

**R9155003 (KC90)** Fascetta avvitabile inox D=90 mm  
Screw-on stainless steel band D=90 mm

## R7115151 (KST-130)



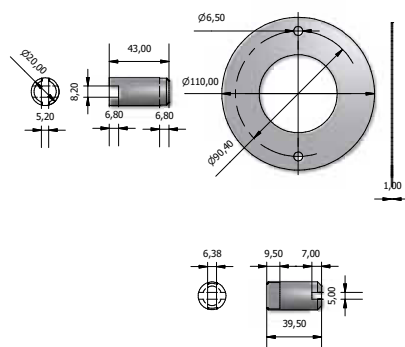
### Kit montaggio teleruttore motore C.C. D.112-114 mm Starting switch assembly kit D.112-114 DC Motor

**R9147001 (TCU120)** Treccia in rame isolata L=120 mm  
Isolated copper braid L=120 mm

**R9155002 (KC130)** Fascetta avvitabile inox D=130 mm  
Screw-on stainless steel band D=130 mm

# 02 Accoppiamenti per motori in C.C.

DC electric motors couplings



### R7115102 Kit accoppiamento motore C.C. D.114-115 (XF-114) Coupling kit DC motor D-114-115

**R8283010 (X114)** Giunto motore - pompa D.114-115  
Motor - pump coupling for D.114-115 motors

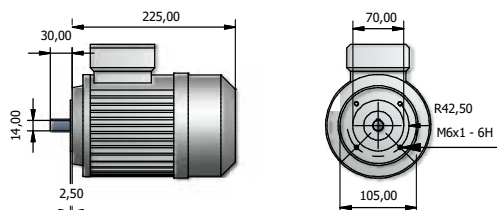
**R8177051 (F09)** Distanziale motore C.C. D.114-115  
D.114-115 DC motor spacer

**R8283009 (X80)** Giunto motori C.C. magneti permanenti D.80  
Permanent magnet DC motor coupling

# 03 Motori elettrici in corrente alternata (R9083\*\*\*)

AC electric motors (R9083\*\*\*)

## IEC-B14-71



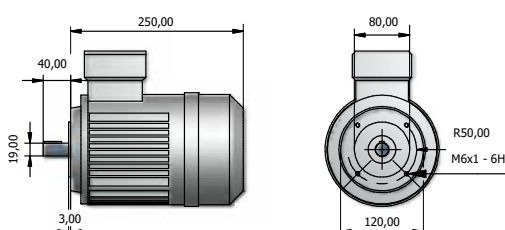
### Trifase 2/ 4 poli Threephase 2/ 4 poles

B14 0,25 AC 3-4P 71 **(202)**  
B14 0,37 AC 3-4P 71 **(203)**  
B1430,37 AC 3-2P 71 **(200)**  
B14 0,55 AC 3-2P 71 **(201)**

### Monofase 2 / 4 poli Single phase 2 / 4 poles

B14 0,25 AC S-4P 71 **(003)**  
B14 0,37 AC S-4P 71 **(004)**  
B14 0,37 AC S-2P 71 **(001)**  
B14 0,55 AC S-2P 71 **(002)**

## IEC-B14-80



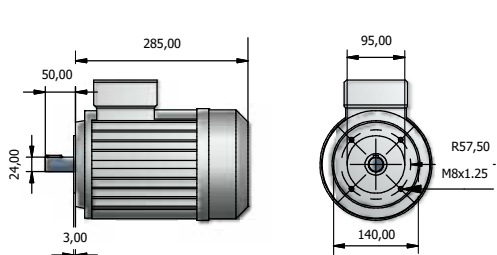
### Trifase 2/ 4 poli Threephase 2/ 4 poles

B14 0,75 AC 3-4P 80 **(253)**  
B14 0,55 AC 3-4P 80 **(252)**  
B14 0,75 AC 3-2P 80 **(250)**  
B14 1,1 AC 3-2P 80 **(251)**

### Monofase 2 / 4 poli Single phase 2 / 4 poles

B14 0,55 AC S-4P 80 **(052)**  
B14 0,75 AC S-4P 80 **(053)**  
B14 0,75 AC S-2P 80 **(050)**  
B14 1,1 AC S-2P 80 **(051)**

## IEC-B14-90



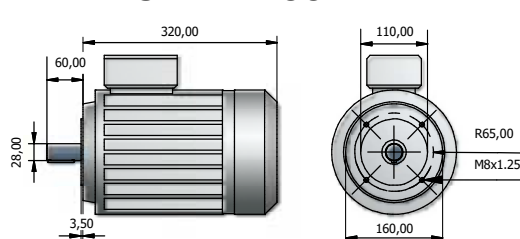
### Trifase 2/ 4 poli Threephase 2/ 4 poles

B14 1,1 AC 3-4P 90 **(302)**  
B14 1,5 AC 3-4P 90 **(303)**  
B14 1,5 AC 3-2P 90 **(300)**  
B14 2,2 AC 3-2P 90 **(301)**

### Monofase 2 / 4 poli Single phase 2 / 4 poles

B14 1,1 AC S-4P 90 **(102)**  
B14 1,5 AC S-4P 90 **(103)**  
B14 1,5 AC S-2P 90 **(100)**  
B14 2,2 AC S-2P 90 **(101)**

## IEC-B14-100



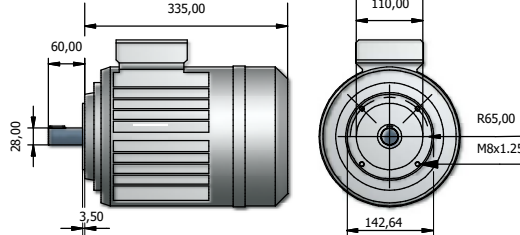
### Trifase 2/ 4 poli Threephase 2/ 4 poles

B14 2,2 AC 3-4P 100 **(351)**  
B14 3,0 AC 3-4P 100 **(352)**  
B14 4,0 AC 3-4P 100 **(353)**  
B14 3,0 AC 3-2P 100 **(350)**

### Monofase 2 / 4 poli Single phase 2 / 4 poles

B14 2,2 AC S-4P 100 **(151)**  
B14 3,0 AC S-4P 100 **(152)**  
B14 3,0 AC S-2P 100 **(150)**

## IEC-B14-112



### Trifase 2/ 4 poli Threephase 2/ 4 poles

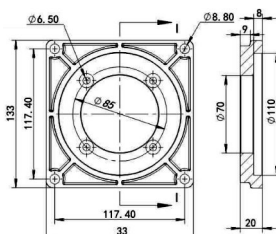
B14 4,0 AC 3-2P 112 **(400)**  
B14 4,0 AC 3-4P 112 **(401)**

**B14 - \*\*\* - AC \* - \* P - \*\*\***

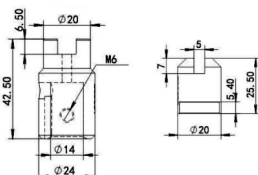
kW  
S = monofase  
3 = Trifase  
S = singlephase  
3 = threephase  
N° di poli  
N° of poles  
Taglia IEC  
IEC size

## 04 Accoppiamenti per Motori elettrici C.A.

### AC electric motors coupling accessories



**R7115124**  
(XB14-71-TA)



Assemblaggio lato corpo: 4 x viti DIN 6921 M8 x 25  
Assemblaggio lato motore: 4 x viti DIN 912 M6 x 16  
Giunto motore: 1 x vite DIN 913 M6 x 8

#### Kit accoppiamento motori AC IEC 71 Coupling kit AC motor IEC 71

**R9177001**  
(FA71-TA)

Flangia motore IEC 71  
Motor flange IEC 71

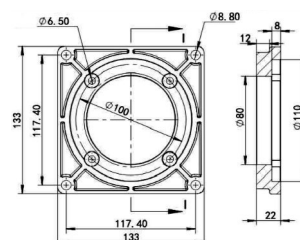
**R9283011**  
(X01-TA)

Giunto lato motore IEC 71  
Motor side coupling IEC 71

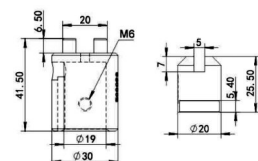
**R9283015**  
(X00-TA)

Giunto lato pompa motori AC IEC  
Pump side AC IEC Motors

Manifold side assembly: 4 x screws DIN 6921 M8 x 25  
Motor side assembly: 4 x screws DIN 912 M6 x 16  
Motor coupling: 1 x screw DIN 913 M6 x 8



**R7115125**  
(XB14-80-TA)



Assemblaggio lato corpo: 4 x viti DIN 6921 M8 x 25  
Assemblaggio lato motore: 4 x viti DIN 912 M6 x 16  
Giunto motore: 1 x vite DIN 913 M6 x 8

#### Kit accoppiamento motori AC IEC 80 Coupling kit AC motor IEC 80

**R9177002**  
(FA80-TA)

Flangia motore IEC 80  
Motor flange IEC 80

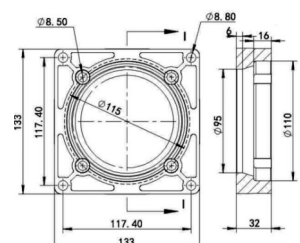
**R9283012**  
(X02-TA)

Giunto lato motore IEC 80  
Motor side coupling IEC 80

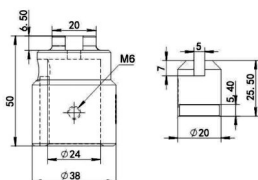
**R9283015**  
(X00-TA)

Giunto lato pompa motori AC IEC  
Pump side AC IEC Motors

Manifold side assembly: 4 x screws DIN 6921 M8 x 25  
Motor side assembly: 4 x screws DIN 912 M6 x 16  
Motor coupling: 1 x screw DIN 913 M6 x 8



**R7115126**  
(XB14-90-TA)



Assemblaggio lato corpo: 4 x viti DIN 6921 M8 x 30  
Assemblaggio lato motore: 4 x viti DIN 912 M8 x 16  
Giunto motore: 1 x vite DIN 913 M6 x 8

#### Kit accoppiamento motori AC IEC 90 Coupling kit AC motor IEC 90

**R9177003**  
(FA90-TA)

Flangia motore IEC 90  
Motor flange IEC 90

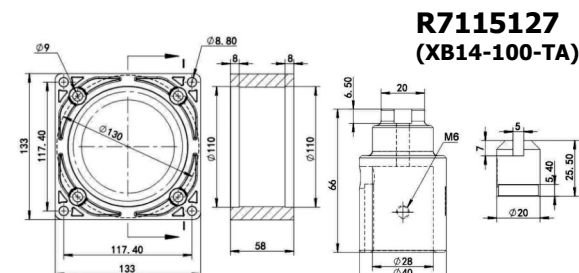
**R9283013**  
(X03-TA)

Giunto lato motore IEC 90  
Motor side coupling IEC 90

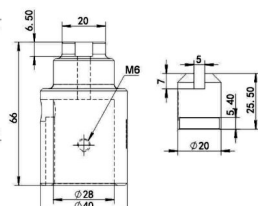
**R9283015**  
(X00-TA)

Giunto lato pompa motori AC IEC  
Pump side AC IEC Motors

Manifold side assembly: 4 x screws DIN 6921 M8 x 30  
Motor side assembly: 4 x screws DIN 912 M8 x 16  
Motor coupling: 1 x screw DIN 913 M6 x 8



**R7115127**  
(XB14-100-TA)



Assemblaggio lato corpo: 4 x viti DIN 6921 M8 x 30  
Assemblaggio lato motore: 4 x viti DIN 912 M8 x 55  
Giunto motore: 1 x vite DIN 913 M6 x 8

#### Kit accoppiamento motori AC IEC 100/112 Coupling kit AC motor IEC 100/112

**R9177004**  
(FA100-TA)

Flangia motore IEC 100/112  
Motor flange IEC 100/112

**R9283014**  
(X04-TA)

Giunto lato motore IEC 100/112  
Motor side coupling IEC 100/112

**R9283015**  
(X00-TA)

Giunto lato pompa motori AC IEC  
Pump side AC IEC Motors

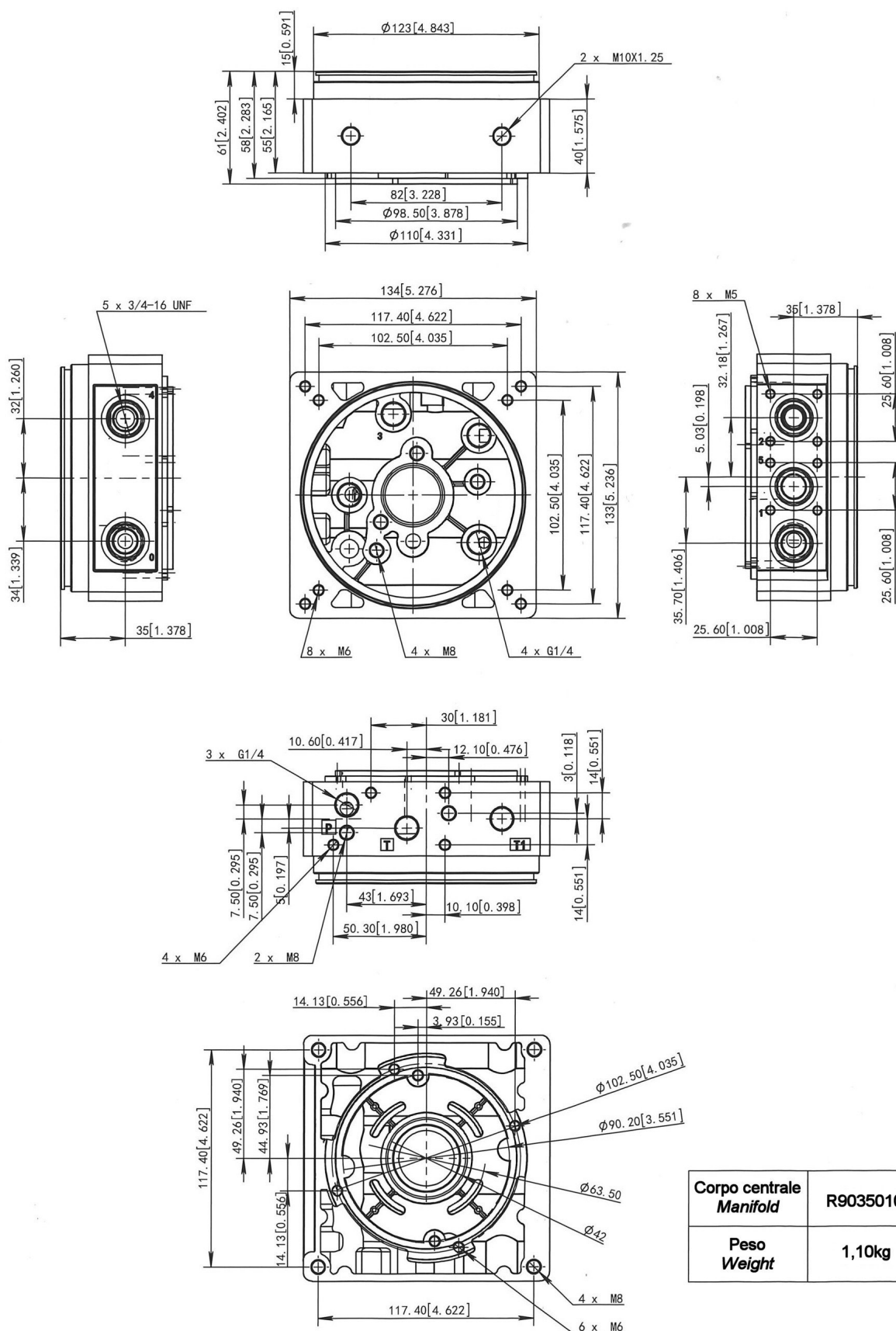
Manifold side assembly: 4 x screws DIN 6921 M8 x 55  
Motor side assembly: 4 x screws DIN 912 M8 x 55  
Motor coupling: 1 x screw DIN 913 M6 x 8

# 05 Corpo centrale

Central manifold

# Dimensioni Generali

General dimensions



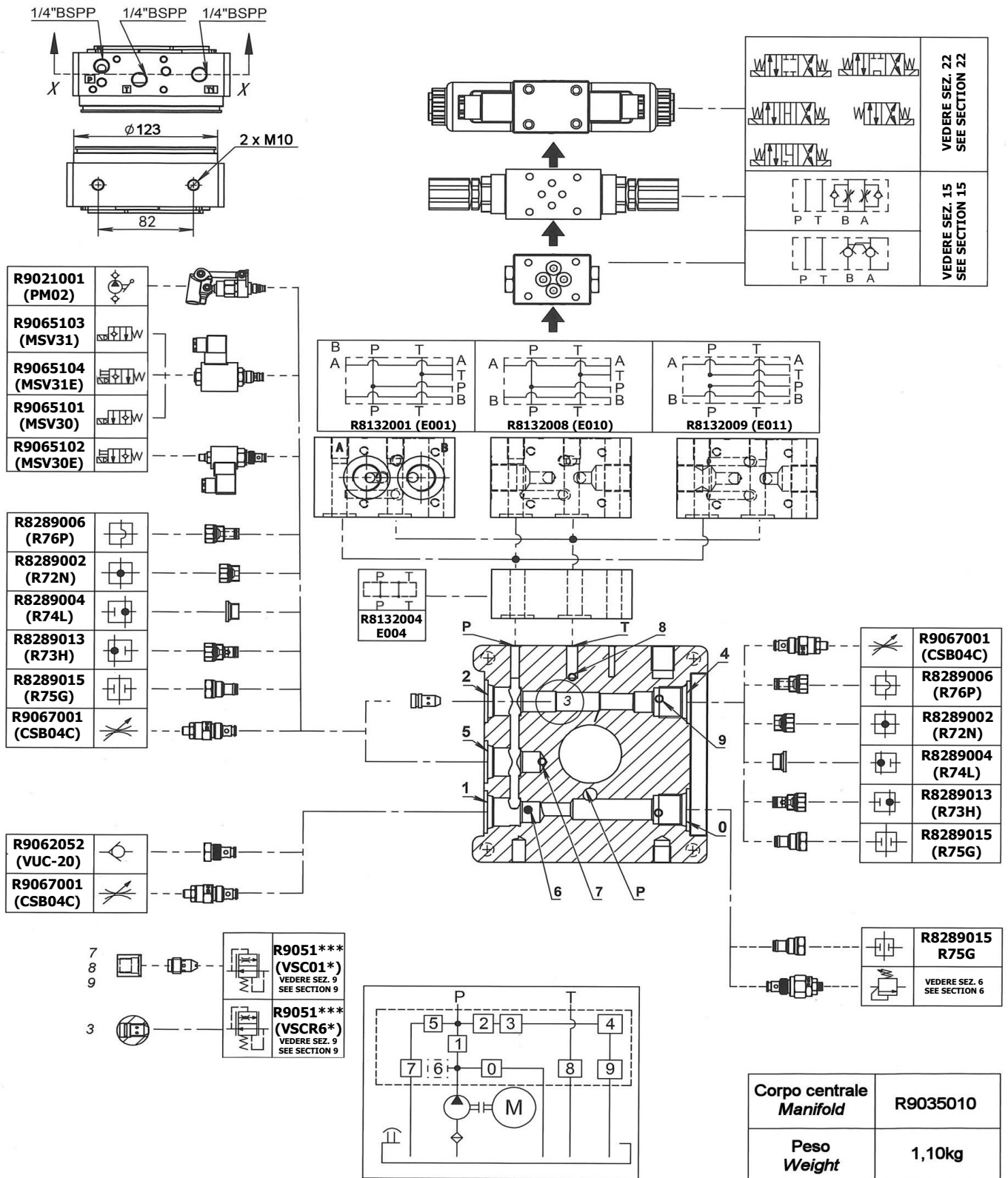
|                            |          |
|----------------------------|----------|
| Corpo centrale<br>Manifold | R9035010 |
| Peso<br>Weight             | 1,10kg   |

## 05 Corpo centrale

### Central manifold

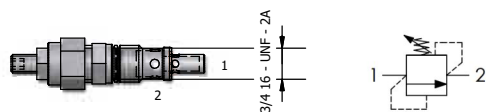
## Cavit  e Componenti

### Cavities and Components



## 06 Valvole di massima pressione

*Relief Valve (security valves)*



### Valvole di massima pressione ad azione diretta SAE 8 Direct acting pressure relief valves SAE 8

Portata massima 20 l/min  
Max flow 20 l/min

Coppia di serraggio 25 - 30 Nm  
Tightening torque 25 - 30 Nm

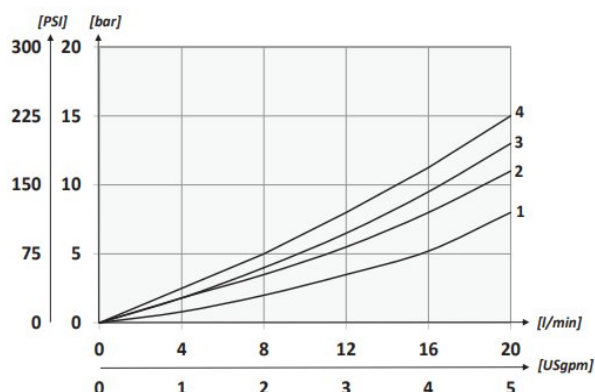
#### VMD10C Serie - Series

**R9050020** Campo di taratura 10 - 40 bar  
**(VMD10C1)** Set pressure range 10 - 40 bar **1**

**R9050009** Campo di taratura 20 - 110 bar  
**(VMD10C2)** Set pressure range 20 - 110 bar **2**

**R9050010** Campo di taratura 30 - 210 bar  
**(VMD10C3)** Set pressure range 30 - 210 bar **3**

**R9050021** Campo di taratura 40 - 350 bar  
**(VMD10C4)** Set pressure range 40 - 350 bar **4**



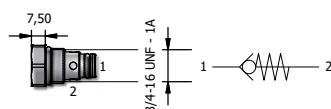
#### TRV2 Serie - Series

**R9050062** Campo di taratura 20 - 100 bar  
Set pressure range 20 - 100 bar

**R9050063** Campo di taratura 50 - 250 bar  
Set pressure range 50 - 250 bar

## 07 Valvole di ritegno

*Check valves*



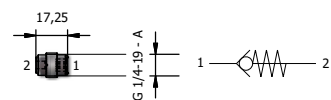
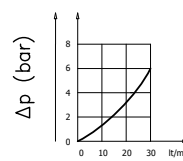
Portata massima 25 lt/min  
Max flow 25 lt/min

### **R9062052** **(VUC-20)**

Pressione massima 350 bar  
Max pressure 350 bar

### Valvola unidirezionale a sfera SAE08 2A Ball type check valve SAE08 2A

Coppia di serraggio 25 - 30 Nm  
Tightening torque 25 - 30 Nm



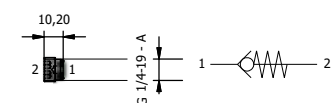
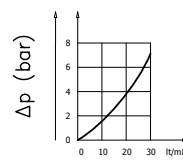
Portata massima 20 lt/min  
Max flow 20 lt/min

### **R9062051** **(VUI01-05)**

Pressione massima 350 bar  
Max pressure 350 bar

### Valvola unidirezionale integrata a sfera Disk type integrated check valve

(Il montaggio richiede chiave dedicata)  
(Mounting requires special tool)



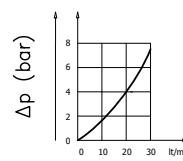
Portata massima 20 lt/min  
Max flow 20 lt/min

### **R9062101** **(VUP-140)**

Pressione massima 500 bar  
Max pressure 500 bar

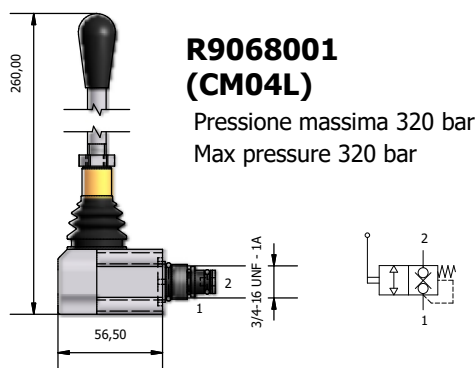
### Valvola unidirezionale integrata a disco Disk type in-body check valve

(Il montaggio richiede chiave dedicata)  
(Mounting requires special tool)



## 08 Valvole a comando manuale, pneumatico e altre

*Hand operated, pneumatic and other valves*



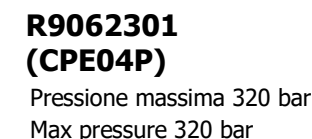
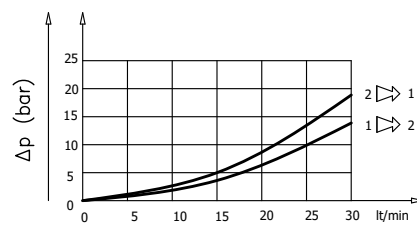
### R9068001 (CM04L)

Pressione massima 320 bar  
Max pressure 320 bar

**Valvole direzionale a due vie a cartuccia SAE08 2A con comando a leva**  
**Lever operated 2 way SAE08 directional valve**

Portata massima 25 lt/min  
Max flow 25 lt/min

Coppia di serraggio 25 - 30 Nm  
Tightening torque 25 - 30 Nm



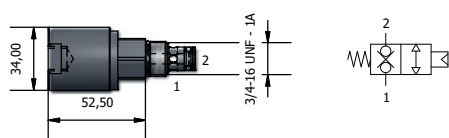
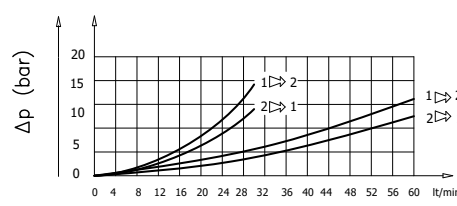
### R9062301 (CPE04P)

Pressione massima 320 bar  
Max pressure 320 bar

**Valvole direzionale a due vie a cartuccia SAE08 2A con comando a pulsante**  
**Button operated 2 way SAE08 directional valve**

Portata massima 30 lt/min  
Max flow 30 lt/min

Coppia di serraggio 25 - 30 Nm  
Tightening torque 25 - 30 Nm



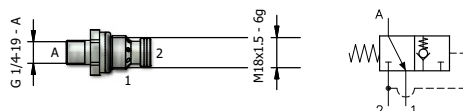
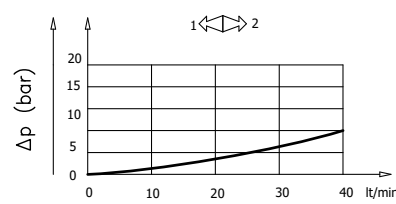
### R9061001 (VPN6)

Pressione massima 350 bar  
Max pressure 350 bar

**Valvole direzionale a due vie a cartuccia SAE08 2A con comando a pulsante**  
**Button operated 2 way SAE08 directional valve**

Portata massima 40 lt/min  
Max flow 40 lt/min

Pressione di pilotaggio 4 - 15 bar  
Piloting pressure 4 - 15 bar



### R9065106 (CDE-20)

Pressione massima 210 bar  
Max pressure 210 bar

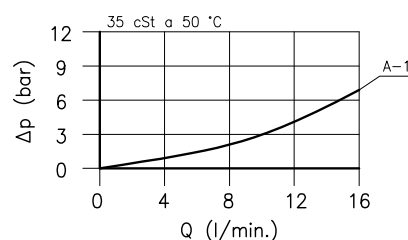
**Valvola di scarico automatico a 3 vie con uscita in linea M18 x 1.5**  
**3 way in-line outlet automatic unloading valve M18 x 1.5**

Portata nominale 12 lt/min  
Nominal flow 12 lt/min

Cavità metrica M18 x 1.5  
Metric cavity M18 x 1.5

Pressione di commutazione 14 bar  
(molla 5 bar a richiesta)

Commutation pressure 14 bar  
(5 bar spring on request)



# 09 Valvole di controllo di flusso

## Flow control valves

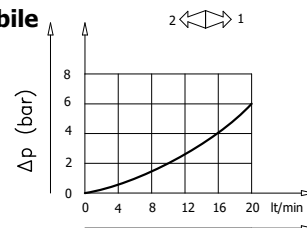
### R9067001 (CSB04C)



#### Regolatore di flusso non compensato a taratura variabile Adjustable not compensated flow regulator

Pressione massima 300 bar      Portata massima 30 lt/min  
Max pressure 300 bar      Max flow 30 lt/min

Coppia di serraggio 25 - 30 Nm  
Tightening torque 25 - 30 Nm



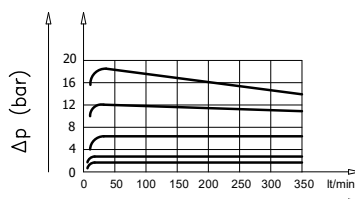
### R9067\*\*\* (CSC04C)



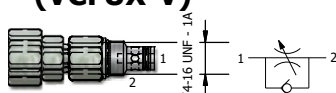
#### Regolatore di flusso compensato a taratura variabile Compensated adjustable flow regulator

Pressione massima 350 bar      Portata massima 18 lt/min  
Max pressure 350 bar      Max flow 18 lt/min

Coppia di serraggio 25 - 30 Nm  
Tightening torque 25 - 30 Nm



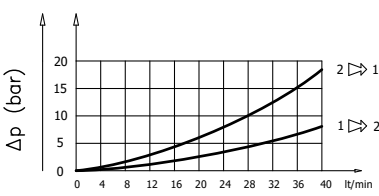
### R9067009 (VCFUX-V)



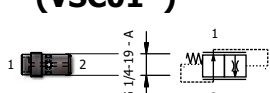
#### Regolatore di flusso unidirezionale a taratura variabile Unidirectional adjustable flow regulator

Pressione massima 350 bar      Portata massima 40 lt/min  
Max pressure 350 bar      Max flow 40 lt/min

Coppia di serraggio 25 - 30 Nm  
Tightening torque 25 - 30 Nm



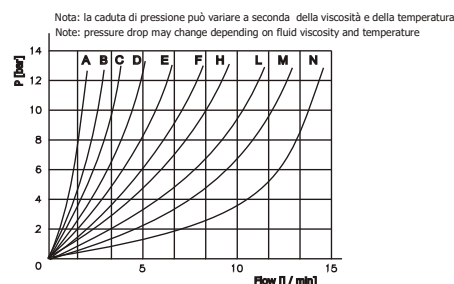
### R9051\*\*\* (VSC01\*)



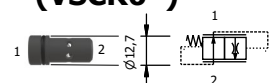
Pressione massima 250 bar  
Max pressure 250 bar  
Portata massima 12 lt/min  
Max flow 12 lt/min  
Coppia di serraggio 6 Nm  
Tightening torque 6 Nm

#### Regolatore di flusso integrato compensato a taratura fissa In-body compensated flow regulator fixed setting

| ***-*            | ***-*                             |
|------------------|-----------------------------------|
| 001-A 1,0 lt/min | 007-H 8,0 lt/min                  |
| 002-B 2,0 lt/min | 008-L 9,0 lt/min                  |
| 003-C 3,0 lt/min | 009-M 10 lt/min                   |
| 004-D 4,0 lt/min | 026-N 11 lt/min                   |
| 005-E 5,0 lt/min | 027-O 12 lt/min                   |
| 006-F 6,0 lt/min | 032-X Da forare/<br>To be drilled |
| 025-G 7,0 lt/min |                                   |



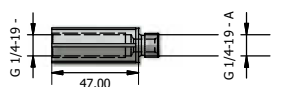
### R9051\*\*\* (VSCR6\*)



Pressione massima 250 bar  
Max pressure 250 bar  
Portata massima 12 lt/min  
Max flow 12 lt/min

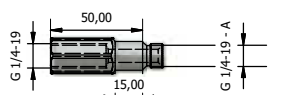
#### Regolatore di flusso integrato compensato a taratura fissa In-body compensated flow regulator fixed setting

| ***-*            | ***-*                             |
|------------------|-----------------------------------|
| 010-1 1,0 lt/min | 017-8 8,0 lt/min                  |
| 011-2 2,0 lt/min | 018-9 9,0 lt/min                  |
| 012-3 3,0 lt/min | 019-10 10 lt/min                  |
| 013-4 4,0 lt/min | 020-11 11 lt/min                  |
| 014-5 5,0 lt/min | 021-12 12 lt/min                  |
| 015-6 6,0 lt/min | 210-0 Da forare/<br>To be drilled |
| 016-7 7,0 lt/min |                                   |



### R8244051 (C-MF-VSC01)

Corpo MF G 1/4" per montaggio in linea VSC01\*  
MF body for VSC01\* in-line mount



### R8244052 (C-MF-VSC01-S)

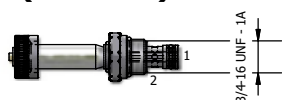
Corpo speciale MF G 1/4" per montaggio in linea VSC01\*  
Special MF G 1/4" body for in-line mounting VSC01\*

Corpo in linea tornito per montaggio sulle bocche di scarico del corpo centrale  
In line turned body for in-tank mount on return ports below central manifold

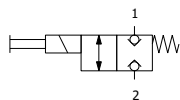
# 10 Elettrovalvole a cartuccia e accessori

## Solenoid cartridge valves and accessories

### R9065051 (MDV30E)



### Elettrovalvola N.C. 2 vie a doppia tenuta SAE08 con emergenza SAE08 2 way double locking N.C. solenoid valve with emergency

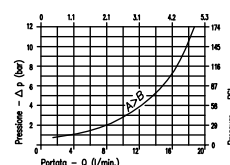


Pressione massima 210 bar  
Max pressure 210 bar

Portata massima 15 lt/min  
Max flow 15 lt/min

Filtraggio 25 micron  
Filtering 25 micron

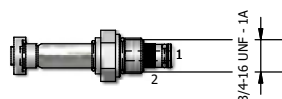
Coppia di serraggio 47 Nm  
Tightening torque 47 Nm



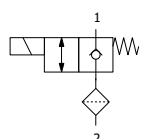
\* Utilizzabile solo con bobine in C.C. o RAC con connettore raddrizzatore

\* To be used only with DC coils or RAC type coils and rectified connectors

### R9065101 (MSV30)



### Elettrovalvola a tenuta N.C. 2 vie SAE08 SAE08 2 way poppet style N.C. solenoid valve

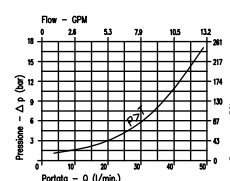


Pressione massima 300 bar  
Max pressure 300 bar

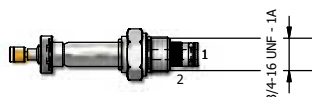
Portata massima 20 lt/min  
Max flow 20 lt/min

Filtraggio 25 micron  
Filtering 25 micron

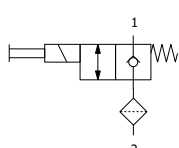
Coppia di serraggio 47 Nm  
Tightening torque 47 Nm



### R9065102 (MSV30E)



### Elettrovalvola a tenuta N.C. 2 vie a SAE08 con emergenza SAE08 2 way poppet style N.C. solenoid valve with emergency

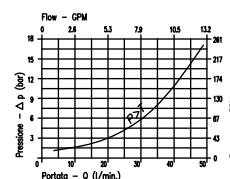


Pressione massima 300 bar  
Max pressure 300 bar

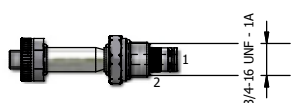
Portata massima 20 lt/min  
Max flow 20 lt/min

Filtraggio 25 micron  
Filtering 25 micron

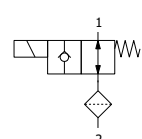
Coppia di serraggio 47 Nm  
Tightening torque 47 Nm



### R9065103 (MSV31)



### Elettrovalvola a tenuta N.A. 2 vie a SAE08 \* SAE08 2 way poppet style N.O. solenoid valve \*

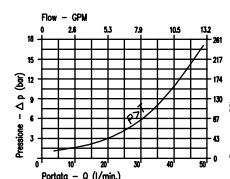


Pressione massima 210 bar\*\*  
Max pressure 210 bar\*\*

Portata massima 20 lt/min  
Max flow 20 lt/min

Filtraggio 25 micron  
Filtering 25 micron

Coppia di serraggio 47 Nm  
Tightening torque 47 Nm



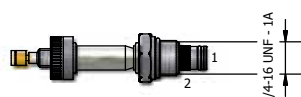
\* Utilizzabile solo con bobine in C.C. o RAC con connettore raddrizzatore

\* To be used only with DC coils or RAC type coils and rectified connectors

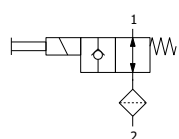
\*\* 300 bar con bobine speciali da 32VA

\*\* 300 bar with special 32VA coils

### R9065104 (MSV31E)



### Elettrovalvola a tenuta N.A. 2 vie a SAE08 con emergenza \* SAE08 2 way poppet style N.O. solenoid valve with emergency \*

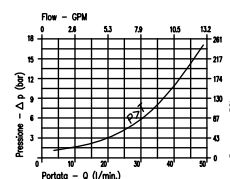


Pressione massima 210 bar\*\*  
Max pressure 210 bar\*\*

Portata massima 20 lt/min  
Max flow 20 lt/min

Filtraggio 25 micron  
Filtering 25 micron

Coppia di serraggio 47 Nm  
Tightening torque 47 Nm



\* Utilizzabile solo con bobine in C.C. o RAC con connettore raddrizzatore

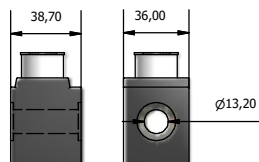
\* To be used only with DC coils or RAC type coils and rectified connectors

\*\* 300 bar con bobine speciali da 32VA

\*\* 300 bar with special 32VA coils

# 10 Elettrovalvole a cartuccia e accessori

## Solenoid cartridge valves and accessories



### R9134002 (COIL-12DC-D)

Fattore di servizio ED100%  
Duty ED100%

Temp.max di lavoro 125°C  
Max working temp. 125°C

Grado di protezione IP54 secondo IEC144, IP56 con l'impiego di connettore DIN con le opportune guarnizioni  
Protection degree IP54 according to IEC144, IP56 using a DIN connector with appropriate seals

### Bobina 12V DC 12V DC Coil

Classe di isolamento H  
Insulation class H

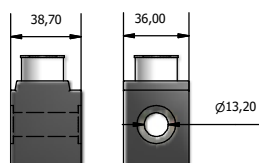
Max +/-10% tensione nominale  
Max +/-10% nominal voltage

Tensione di alimentazione 12V C.C.

Supply voltage 12V DC

Tensione di alimentazione 12V C.C.  
Supply voltage 12V DC

Temperatura ambiente -20 / + 50  
Temperature -20 / + 50



### R9134052 (COIL-24DC-D)

Fattore di servizio ED100%  
Duty ED100%

Temp.max di lavoro 125°C  
Max working temp. 125°C

Grado di protezione IP54 secondo IEC144, IP56 con l'impiego di connettore DIN con le opportune guarnizioni  
Protection degree IP54 according to IEC144, IP56 using a DIN connector with appropriate seals

### Bobina 24V DC 24V DC Coil

Classe di isolamento H  
Insulation class H

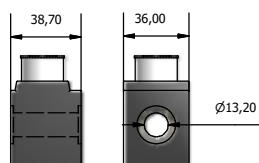
Max +/-10% tensione nominale  
Max +/-10% nominal voltage

Tensione di alimentazione 12V C.C.

Supply voltage 12V DC

Potenza assorbita 22W  
Power consumption 22W

Temperatura ambiente -20 / + 50  
Temperature -20 / + 50



### R9134100 (COIL-48DC-D)

Fattore di servizio ED100%  
Duty ED100%

Temp.max di lavoro 125°C  
Max working temp. 125°C

Grado di protezione IP54 secondo IEC144, IP56 con l'impiego di connettore DIN con le opportune guarnizioni  
Protection degree IP54 according to IEC144, IP56 using a DIN connector with appropriate seals

### Bobina 48V DC 48V DC Coil

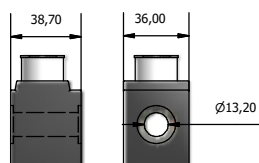
Classe di isolamento H  
Insulation class H

Max +/-10% tensione nominale  
Max +/-10% nominal voltage

Tensione di alimentazione 48V C.C.  
Supply voltage 12V DC

Potenza assorbita 22W  
Power consumption 22W

Temperatura ambiente -20 / + 50  
Temperature -20 / + 50



### R9134200 (COIL-110RAC-D)

Fattore di servizio ED100%  
Duty ED100%

Temp.max di lavoro 125°C  
Max working temp. 125°C

**Utilizzare questa bobina esclusivamente con connettori raddrizzatori K10, K20, K15**  
**Use this coil only with rectified connectors K10, K20, K15**

Grado di protezione IP54 secondo IEC144, IP56 con l'impiego di connettore DIN con le opportune guarnizioni  
Protection degree IP54 according to IEC144, IP56 using a DIN connector with appropriate seals

### Bobina 110V RAC 110V RAC Coil

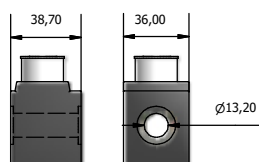
Classe di isolamento H  
Insulation class H

Max +/-10% tensione nominale  
Max +/-10% nominal voltage

Tensione di alimentazione 110V raddrizzata  
Supply voltage 110V rectified

Potenza assorbita 22W  
Power consumption 22W

Temperatura ambiente -20 / + 50  
Temperature -20 / + 50



### R9134270 (COIL-220RAC-D)

Fattore di servizio ED100%  
Duty ED100%

Temp.max di lavoro 125°C  
Max working temp. 125°C

**Utilizzare questa bobina esclusivamente con connettori raddrizzatori K11, K21, K16**  
**Use this coil only with rectified connectors K11, K21, K16**

Grado di protezione IP54 secondo IEC144, IP56 con l'impiego di connettore DIN con le opportune guarnizioni  
Protection degree IP54 according to IEC144, IP56 using a DIN connector with appropriate seals

### Bobina 220V RAC 220V RAC Coil

Classe di isolamento H  
Insulation class H

Max +/-10% tensione nominale  
Max +/-10% nominal voltage

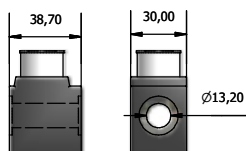
Tensione di alimentazione 220V raddrizzata  
Supply voltage 220V rectified

Potenza assorbita 22W  
Power consumption 22W

Temperatura ambiente -20 / + 50  
Temperature -20 / + 50

# 10 Elettrovalvole a cartuccia e accessori

## Solenoid cartridge valves and accessories



### R9134256

#### (COIL-220/50-ED100%-H)

Fattore di servizio ED100%

Duty ED100%

Temp.max di lavoro 125°C

Max working temp. 125°C

Classe di isolamento H

Insulation class H

Max +/-10% tensione nominale

Max +/-10% nominal voltage

Tensione di alimentazione 220V AC 50Hz

Supply voltage 220V AC 50Hz

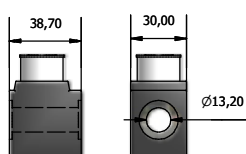
Potenza assorbita 20VA

Power consumption 20VA

Temperatura ambiente -20 / + 50

Temperature -20 / + 50

Grado di protezione IP54 secondo IEC144, IP56 con l'impiego di connettore DIN con le opportune guarnizioni  
Protection degree IP54 according to IEC144, IP56 using a DIN connector with appropriate seals



### R9134257

#### (COIL-115/50-ED100%-H)

Fattore di servizio ED100%

Duty ED100%

Temp.max di lavoro 125°C

Max working temp. 125°C

Classe di isolamento H

Insulation class H

Max +/-10% tensione nominale

Max +/-10% nominal voltage

Tensione di alimentazione 115V AC 50Hz

Supply voltage 115V AC 50Hz

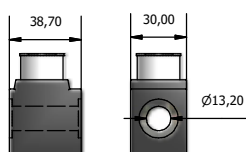
Potenza assorbita 20VA

Power consumption 20VA

Temperatura ambiente -20 / + 50

Temperature -20 / + 50

Grado di protezione IP54 secondo IEC144, IP56 con l'impiego di connettore DIN con le opportune guarnizioni  
Protection degree IP54 according to IEC144, IP56 using a DIN connector with appropriate seals



### R9134258

#### (COIL-24/50-ED100%-H)

Fattore di servizio ED100%

Duty ED100%

Temp.max di lavoro 125°C

Max working temp. 125°C

Classe di isolamento H

Insulation class H

Max +/-10% tensione nominale

Max +/-10% nominal voltage

Tensione di alimentazione 24V AC 50Hz

Supply voltage 24V AC 50Hz

Potenza assorbita 20VA

Power consumption 20VA

Temperatura ambiente -20 / + 50

Temperature -20 / + 50

Grado di protezione IP54 secondo IEC144, IP56 con l'impiego di connettore DIN con le opportune guarnizioni  
Protection degree IP54 according to IEC144, IP56 using a DIN connector with appropriate seals

## Connettori Elettrici DIN 43650-A Nero pg11

Electric Connectors DIN 43650-A Black pg11



**Connettore Nero STANDARD 3 poli**  
STANDARD Black Connector 3 pins

### Connettore con LED

Connector with LED

### Connettore con LED e VDR

Connector with LED and VDR



### Connettore con RADDRIZZATORE e VDR

Connector with RECTIFIER and VDR

### Connettore con RADDRIZZATORE, VDR e LED

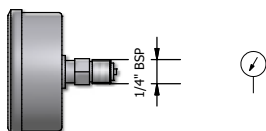
Connector with RECTIFIER, VDR and LED

|                       | 12V                   | 24V                   | 48V                   | 110V                  | 230V                 |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
| <b>R9242001 (K0)</b>  | <b>R9242001 (K0)</b>  | <b>R9242001 (K0)</b>  | <b>R9242001 (K0)</b>  | <b>R9242001 (K0)</b>  | <b>R9242001 (K0)</b> |
| <b>R9242050 (K2)</b>  | <b>R9242051 (K3)</b>  | <b>R9242052 (K4)</b>  | <b>R9242053 (K5)</b>  | <b>R9242054 (K6)</b>  |                      |
| <b>R9242100 (K7)</b>  | <b>R9242101 (K8)</b>  | <b>R9242102 (K9)</b>  | <b>R9242103 (K10)</b> | <b>R9242104 (K11)</b> |                      |
| <b>R9242200 (K17)</b> | <b>R9242201 (K18)</b> | <b>R9242202 (K19)</b> | <b>R9242202 (K20)</b> | <b>R9242204 (K21)</b> |                      |
| <b>R9242150 (K12)</b> | <b>R9242151 (K13)</b> | <b>R9242152 (K14)</b> | <b>R9242153 (K15)</b> | <b>R9242154 (K16)</b> |                      |

# 11 Manometri, pressostati e accessori

*Pressure gauges, pressure switches and accessories*

## R930000\* (MGP63/\*\*\*)

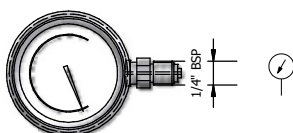


### Serie manometri INOX D.63mm a bagno di glicerina con attacco posteriore DIN16288 G1/4"

D.63mm stainless steel glycerin pressure gauge series with backside DIN16288 G1/4" connection

|                 |                    |                               |
|-----------------|--------------------|-------------------------------|
| <b>R9300009</b> | <b>(MGP63/006)</b> | Scala 6 bar / 6 bar scale     |
| <b>R9300008</b> | <b>(MGP63/016)</b> | Scala 16 bar / 16 bar scale   |
| <b>R9300001</b> | <b>(MGP63/025)</b> | Scala 25 bar / 25 bar scale   |
| <b>R9300002</b> | <b>(MGP63/060)</b> | Scala 60 bar / 60 bar scale   |
| <b>R9300003</b> | <b>(MGP63/100)</b> | Scala 100 bar / 100 bar scale |
| <b>R9300004</b> | <b>(MGP63/160)</b> | Scala 160 bar / 160 bar scale |
| <b>R9300005</b> | <b>(MGP63/250)</b> | Scala 250 bar / 250 bar scale |
| <b>R9300006</b> | <b>(MGP63/400)</b> | Scala 400 bar / 400 bar scale |

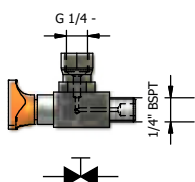
## R930010\* (MGR63/\*\*\*)



### Serie manometri INOX D.63mm a bagno di glicerina con attacco radiale DIN16288 G1/4"

D.63mm stainless steel glycerin pressure gauge series with radial DIN16288 G1/4" connection

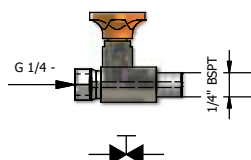
|                 |                    |                               |
|-----------------|--------------------|-------------------------------|
| <b>R9300100</b> | <b>(MGR63/006)</b> | Scala 6 bar / 6 bar scale     |
| <b>R9300101</b> | <b>(MGP63/010)</b> | Scala 10 bar / 10 bar scale   |
| <b>R9300102</b> | <b>(MGR63/016)</b> | Scala 16 bar / 16 bar scale   |
| <b>R9300103</b> | <b>(MGR63/060)</b> | Scala 60 bar / 60 bar scale   |
| <b>R9300104</b> | <b>(MGR63/100)</b> | Scala 100 bar / 100 bar scale |
| <b>R9300105</b> | <b>(MGR63/160)</b> | Scala 160 bar / 160 bar scale |
| <b>R9300106</b> | <b>(MGR63/250)</b> | Scala 250 bar / 250 bar scale |
| <b>R9300107</b> | <b>(MGR63/400)</b> | Scala 400 bar / 400 bar scale |
| <b>R9300108</b> | <b>(MGR63/600)</b> | Scala 600 bar / 600 bar scale |



## R9222001 (E014)

Valvola di esclusione manometro con connessione G1/4" conico volantino e attacco manometro a 90° DIN16288 1/4"

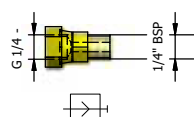
Pressure gauge isolator with G1/4" conical connection knob and 90° gauge connection according to DIN16288 1/4"



## R9222002 (E015)

Valvola di esclusione manometro con connessione G1/4" conico volantino e attacco manometro in linea DIN16288 1/4"

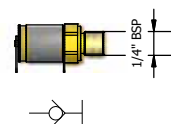
Pressure gauge isolator with G1/4" conical connection knob and in-line gauge connection according to DIN16288 1/4"



## R9222003 (E017)

Attacco manometro con connessione G1/4" conica e attacco manometro DIN16288 1/4"

Pressure gauge fitting with G1/4" conical connection according to DIN16288 1/4"



## R9222004 (MPN140)

Presa di pressione con attacco G1/4" cilindrico e o-ring

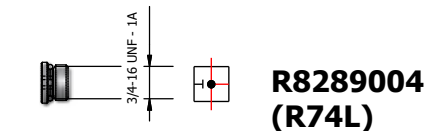
Non-spill pressure port G1/4" connection with o-ring

# 12 Tappi SAE per corpo centrale e raccordi BSP

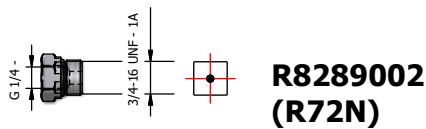
*SAE plugs for central manifold and BSP fittings*

## Tappi funzione Metrici e SAE

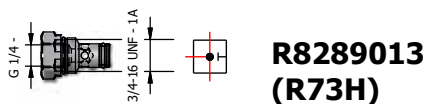
Metric and SAE function plugs



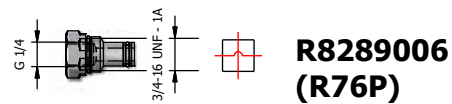
**R8289004  
(R74L)**



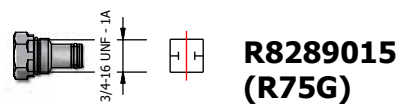
**R8289002  
(R72N)**



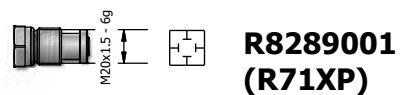
**R8289013  
(R73H)**



**R8289006  
(R76P)**



**R8289015  
(R75G)**



**R8289001  
(R71XP)**

## Raccordi BSP

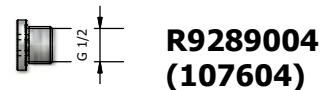
BSP fittings



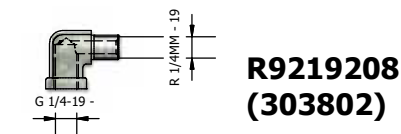
**R9256054  
(107504)**



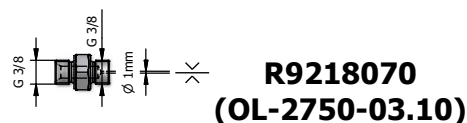
**R9218054  
(300504)**



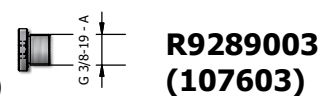
**R9289004  
(107604)**



**R9219208  
(303802)**



**R9218070  
(OL-2750-03.10)**



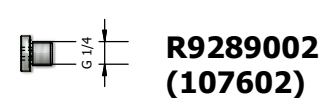
**R9289003  
(107603)**



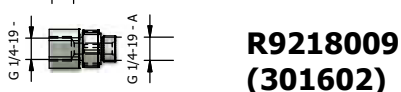
**R9219203  
(305403)**



**R9218058  
(300508)**



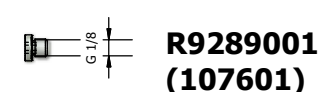
**R9289002  
(107602)**



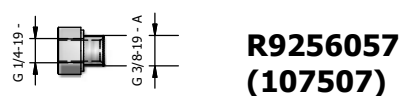
**R9218009  
(301602)**



**R9218071  
(300502)**



**R9289001  
(107601)**

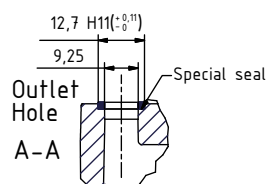
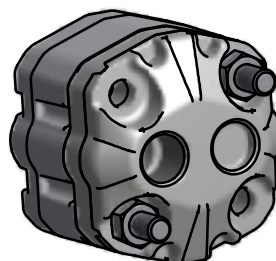
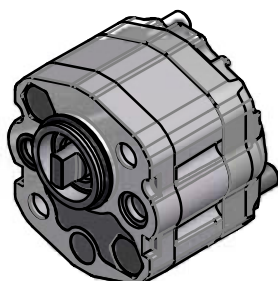


**R9256057  
(107507)**

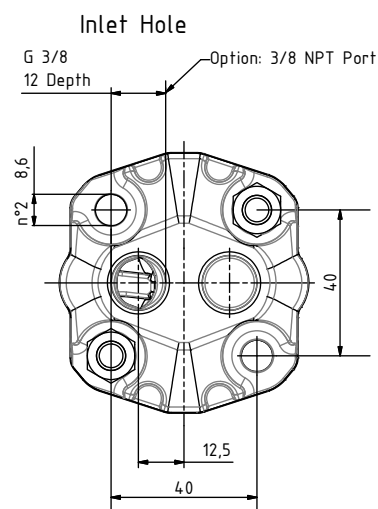
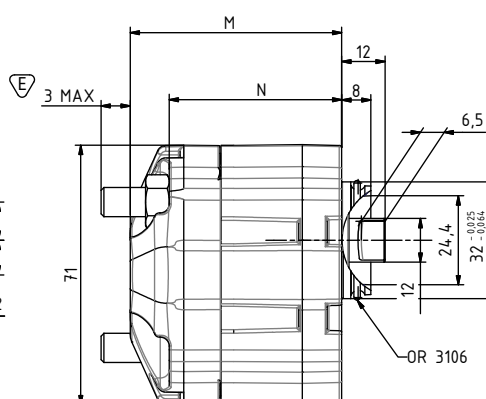
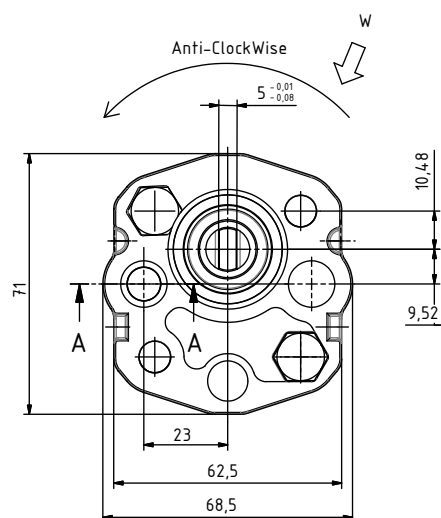
# 13 Pompe ad ingranaggi

*Gear pumps*

## Versione Standard



La pompa rappresentata ha rotazione sinistra  
The pump represented has anti-clockwise rotation



PER IL FISSAGGIO DELLA POMPA UTILIZZARE VITI M8 - 8.8  
Coppia di serraggio 23,0 ÷ 25.0 Nm

TO FIX THE PUMP USE BOLTS M8 – 8.8  
23,0 ÷ 25.0 Nm screw tightening torque M8

# 13 Pompe ad ingranaggi

## Gear pumps

| Codice di ordinazione<br>Ordering code | Cilindrata<br>Displacement<br>(cc/rev) | Portata a<br>Flow at<br>1500 rpm<br>(l/min) | M<br>mm | N<br>mm | P1<br>(bar) | P2<br>(bar) | P3<br>(bar) | Velocità max<br>Max speed<br>(rpm) |
|----------------------------------------|----------------------------------------|---------------------------------------------|---------|---------|-------------|-------------|-------------|------------------------------------|
| <b>R9026030 (G108-OEM)</b>             | 0,8                                    | 1,2                                         | 47,0    | 36,3    | 210         | 230         | 250         | 6000                               |
| <b>R9026036 (G111-OEM)</b>             | 1,1                                    | 1,6                                         | 47,5    | 36,8    | 210         | 230         | 250         | 6000                               |
| <b>R9026040 (G113-OEM)</b>             | 1,3                                    | 2,0                                         | 48,5    | 37,8    | 210         | 230         | 250         | 6000                               |
| <b>R9026032 (G116-OEM)</b>             | 1,6                                    | 2,4                                         | 49,5    | 38,8    | 210         | 230         | 250         | 6000                               |
| <b>R9026031 (G120-OEM)</b>             | 2,1                                    | 3,2                                         | 51,0    | 40,3    | 210         | 230         | 250         | 6000                               |
| <b>R9026037 (G126-OEM)</b>             | 2,6                                    | 4,0                                         | 53,0    | 42,3    | 210         | 230         | 250         | 6000                               |
| <b>R9026035 (G132-OEM)</b>             | 3,2                                    | 4,8                                         | 54,5    | 43,8    | 190         | 210         | 230         | 5000                               |
| <b>R9026029 (G137-OEM)</b>             | 3,7                                    | 5,6                                         | 56,5    | 45,8    | 190         | 210         | 230         | 4500                               |
| <b>R9026033 (G142-OEM)</b>             | 4,2                                    | 6,4                                         | 58,0    | 47,3    | 190         | 190         | 210         | 4000                               |
| <b>R9026038 (G148-OEM)</b>             | 4,8                                    | 7,2                                         | 60,0    | 49,3    | 170         | 190         | 210         | 3500                               |
| <b>R9026034 (G158-OEM)</b>             | 5,8                                    | 8,7                                         | 63,5    | 52,8    | 170         | 190         | 210         | 3000                               |
| <b>R9026039 (G180-OEM)</b>             | 8,0                                    | 11,9                                        | 100,0   | 88,0    | 170         | 190         | 210         | 2100                               |

P1 Max pressione di lavoro in continuo  
P2 Max pressione di lavoro intermittente 30 sec  
P3 Max pressione di picco 3 sec

P1 Max continuous pressure  
P2 Max intermittent max pressure 30 sec  
P3 Max peak pressure 3 sec

Si raccomanda l'uso di fluidi specifici per circuiti idraulici a base d'olio minerale, con buone caratteristiche antiusura e antischiuma, con proprietà di rapida disareazione, antiossidanti, anticorrosione.

Use specific mineral oil based hydraulic fluids having good anti-wear, anti-foaming (rapid de-aeration), antioxidant, anti-corrosion and lubricating properties.

La temperatura del fluido durante il funzionamento della pompa deve essere compreso tra -15°C ÷ +80°C

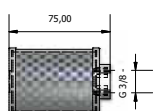
Pump operating temperature should range between: -15°C ÷ +80°C

# 14 Filtri e componenti per aspirazione e scarico

*Filters, suction and return line components*

## Filtri in aspirazione

*Suction filters*

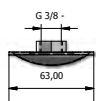


### R9176005 (C3414)

Superficie filtrante 260cm<sup>2</sup>  
Filtering surface 260cm<sup>2</sup>

Elemento filtrante 120μ St. St. Mesh  
Filtering element 120μ St. St. Mesh

Portata 22lt/min  
Flow 22lt/min

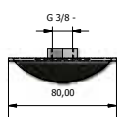


### R9176004 (C3415)

Superficie filtrante 30cm<sup>2</sup>  
Filtering surface 30cm<sup>2</sup>

Elemento filtrante 90μ Repts FeZN  
Filtering element 90μ Repts FeZN

Portata 10lt/min  
Flow 10lt/min

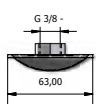


### R9176002 (C3412)

Superficie filtrante 200cm<sup>2</sup>  
Filtering surface 200cm<sup>2</sup>

Elemento filtrante 90μ Repts FeZN  
Filtering element 90μ Repts FeZN

Portata 25lt/min  
Flow 25lt/min



### R9176003 (C3413)

Superficie filtrante 45cm<sup>2</sup>  
Filtering surface 45cm<sup>2</sup>

Elemento filtrante 90μ Repts FeZN  
Filtering element 90μ Repts FeZN

Portata 12lt/min  
Flow 12lt/min

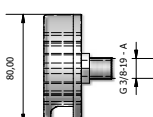


### R9176007 (C3419)

Superficie filtrante 34cm<sup>2</sup>  
Filtering surface 34cm<sup>2</sup>

Elemento filtrante 200μ Repts FeZN  
Filtering element 200μ Repts FeZN

Portata 8lt/min  
Flow 8lt/min



### R9176001 (C3411)

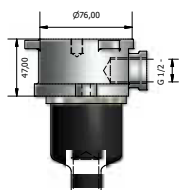
Superficie filtrante 100cm<sup>2</sup>  
Filtering surface 100cm<sup>2</sup>

Elemento filtrante 90μ Repts FeZN  
Filtering element 90μ Repts FeZN

Portata 14lt/min  
Flow 14lt/min

## Filtri sul ritorno

*Return line filters*

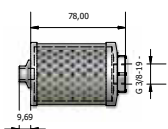


### R9176006 (C3418)

Superficie filtrante XXcm<sup>2</sup>  
Filtering surface XXcm<sup>2</sup>

Elemento filtrante 10μ Repts FeZN  
Filtering element 10μ Repts FeZN

Portata XXlt/min  
Flow XXlt/min



### R9176050 (C3417)

Superficie filtrante 30cm<sup>2</sup>  
Filtering surface 30cm<sup>2</sup>

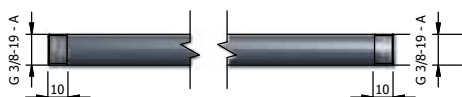
Elemento filtrante 90μ Repts FeZN  
Filtering element 90μ Repts FeZN

Portata 10lt/min  
Flow 10lt/min

# 14 Filtri e componenti per aspirazione e scarico

*Filters, suction and return line components*

## Descrizione



**R9304\*\*\***  
**(EPD60R 3/8 mm)**

Serie tubi di aspirazione G3/8" in EPD  
Series of EPD G3/8" suction hoses

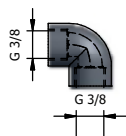
## Lunghezze disponibili

### Available lengths

(Disponibili solo in box da 100 pezzi)  
(Available only in box of 100 pieces)

| *** | 001 | 002 | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 010 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| mm  | 25  | 40  | 60  | 80  | 100 | 130 | 160 | 180 | 200 | 235 |

| *** | 011 | 012 | 013 | 014 | 015 |
|-----|-----|-----|-----|-----|-----|
| mm  | 250 | 300 | 350 | 500 | 400 |



**R9223001**  
**(E602)**

Raccordo a G3/8" in PVC 90° per kit aspirazione orizzontale  
90° PVC fitting for horizontal suction kit

(Disponibili solo in box da 100 pezzi)  
(Available only in box of 100 pieces)



**R9305\*\*\***  
**(PVC 1/4 mm)**

Serie tubi di scarico G1/4" in PVC  
Series of PVC G1/4" return hoses

## Lunghezze disponibili

### Available lengths

(Disponibili solo in box da 100 pezzi)  
(Available only in box of 100 pieces)

| *** | 001 | 002 | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 010 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| mm  | 115 | 125 | 210 | 235 | 295 | 300 | 320 | 370 | 450 | 90  |



**R9305\*\*\***  
**(PVC 1/4 mm)**

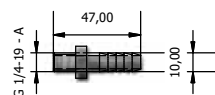
Serie tubi di scarico doppio filetto G1/4" in PVC  
Series of PVC G1/4" double thread return hoses

## Lunghezze disponibili

### Available lengths

(Disponibili solo in box da 100 pezzi)  
(Available only in box of 100 pieces)

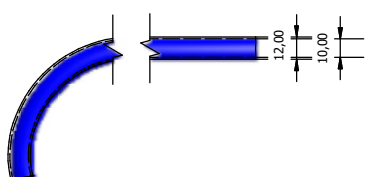
| *** | 012 | 013 | 014 | 015 | 016 | 017 | 018 | 019 | 020 | 021 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| mm  | 90  | 115 | 125 | 210 | 235 | 195 | 300 | 320 | 370 | 450 |



**R9223003**  
**(PGD12X10)**

Portagomma G1/4" T.10 mm per montaggio tubo in rilsan 12x10  
Barbed fitting G1/4" T.10 mm for return rilsan hose 12x10

(Disponibili solo in box da 100 pezzi)  
(Available only in box of 100 pieces)



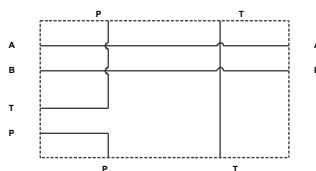
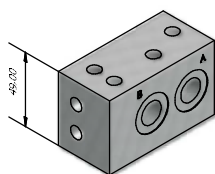
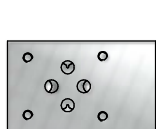
**R9289104**  
**(TR12X10)**

Tubo rilsan per linee di scarico antischiuma nel serbatoio  
Rilsan hose for in-tank anti foam return lines

(Disponibili solo in matasse da 25 metri)  
(Available only in coils of 25 meters)

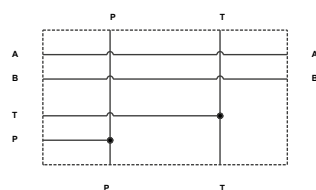
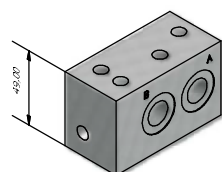
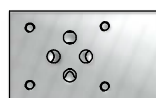
# 15 Blocchi valvole SAE, Cetop3 e blocchi accessori

*SAE ad Cetop3 valve blocks and accessory blocks*



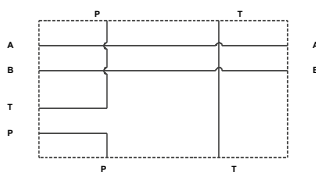
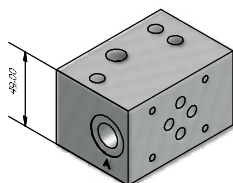
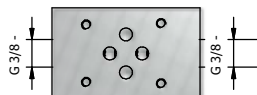
## R8132003 (E003)

Blocco in serie CETOP 3 - uscite 3/8" BSPP posteriori  
CETOP 3 series block- 3/8" BSPP rear ports



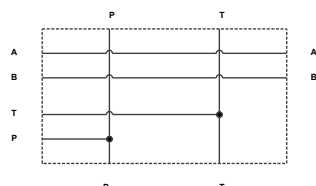
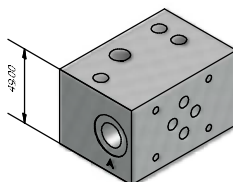
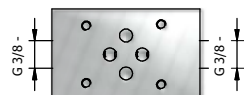
## R8132001 (E001)

Blocco parallelo CETOP 3 - uscite 3/8" BSPP posteriori  
CETOP 3 parallel block-3/8" BSPP rear ports



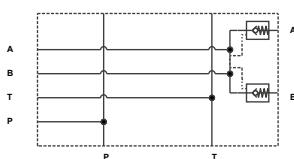
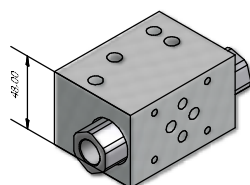
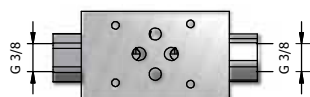
## R8132009 (E011)

Blocco in serie CETOP 3 - uscite 3/8" BSPP laterali  
CETOP 3 series block- 3/8" BSPP lateral ports



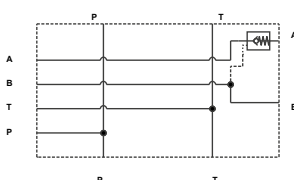
## R8132008 (E010)

Blocco parallelo CETOP 3 - uscite 3/8" BSPP laterali  
CETOP 3 parallel block-3/8" BSPP lateral ports



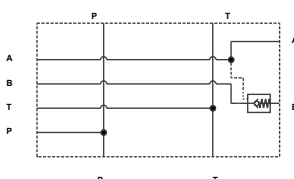
## R8132113 (E01)

Piastra CETOP 3 con valvola di ritegno pilotata su A e B  
CETOP 3 manifold with piloted check valve on A and B



## R8132114 (E102)

Piastra CETOP 3 con valvola di ritegno pilotata su A  
CETOP 3 manifold with piloted check valve on A



## R8132115 (E103)

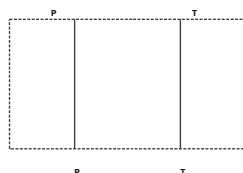
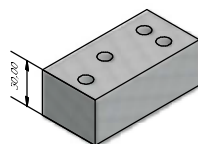
Piastra CETOP 3 con valvola di ritegno pilotata su B  
CETOP 3 manifold with piloted check valve on B

# 15 Blocchi valvole SAE, Cetop3 e blocchi accessori

*SAE ad Cetop3 valve blocks and accessory blocks*

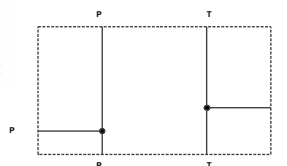
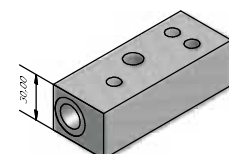
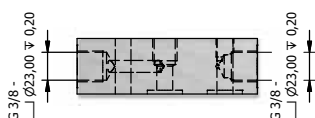
## R8132004 (E004)

Distanziale spessore 30 mm  
30 mm height spacer subplate



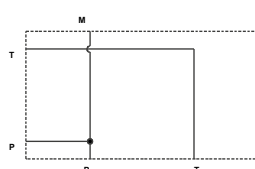
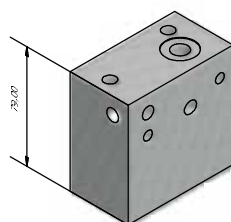
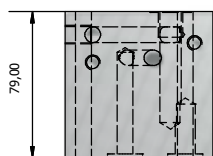
## R8132007 (E007)

Blocco modulare distanziale con uscite  
addizionali "P" e "T" 3/8" BSPP laterali  
Modular spacer block with "P" & "T"  
additional lateral 3/8" BSPP outlets



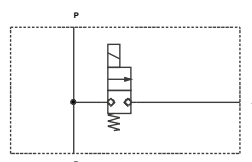
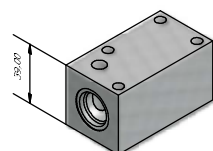
## R8132005 (E005)

Blocco collettore per rotazione 90° con  
connessione aggiuntiva «P» 1/4" BSP  
90° rotation manifold with additional  
1/4 BSP «P» port



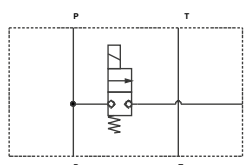
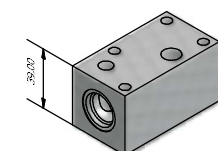
## R8132010 (E030)

Piastra per valvole MSV e MDV  
Block for MSV or MDV valve



## R8132011 (E031)

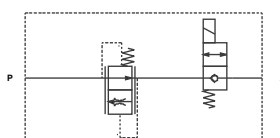
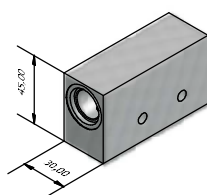
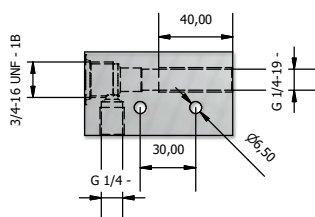
Piastra per valvole MSV e MDV con ritorno  
(fornita senza valvole)  
Block for MSV or MDV valve with return line  
(supplied without valves)



## R8132021 (VSC-3/4-16 1/4)

Corpo per cartucce in linea MSV +  
VSC01 3/4"-16 UNF uscite 1/4" BSP  
(fornita senza valvole)

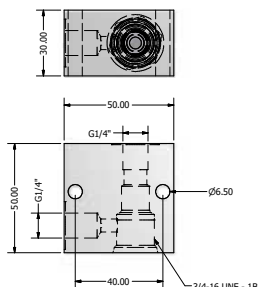
MSV + VSC01 3/4"-16 UNF outlets 1/4"  
BSP in-line manifold (supplied without valves)



## 15 Blocchi valvole SAE, Cetop3 e blocchi accessori

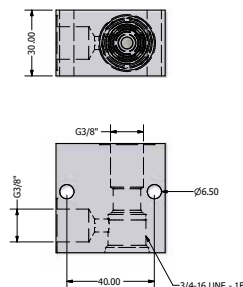
*SAE ad Cetop3 valve blocks and accessory blocks*

**R8132012**  
**(BFC-3/4-16 1/4)**



Corpo per montaggio in linea  
cartucce a 2 vie 3/4"-16 UNF  
(SE08) (uscite 1/4" BSP)

In line assembly manifold for  
2 way 3/4" - 16 UNF (SAE08)  
cartridge valves ( 1/4" BSP  
outlet ports)



**R8132013**  
**(BFC-3/4-16 3/8)**

Corpo per montaggio in linea  
cartucce a 2 vie 3/4"-16 UNF  
(SE08) (uscite 3/8" BSP)

In line assembly manifold for  
2 way 3/4" - 16 UNF (SAE08)  
cartridge valves ( 3/8" BSP  
outlet ports)

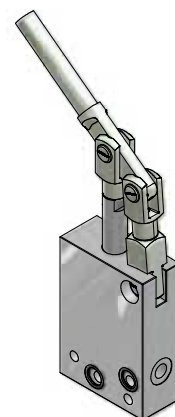
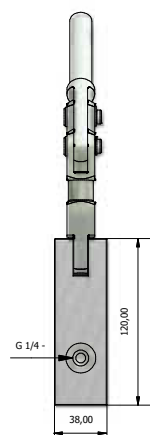
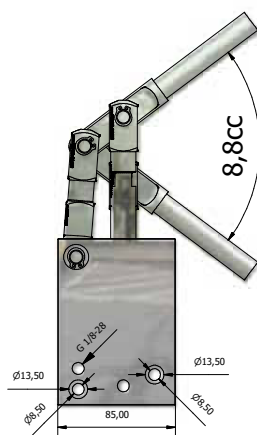
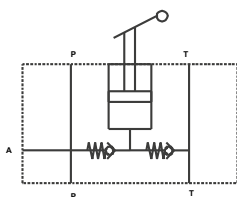
## 16 Pompe a mano di emergenza modulari e a cartuccia

## Modular and cartridge manual emergency pumps

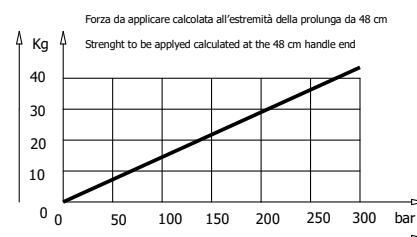
**R6021001**  
**(PM88)**

Pompa di emergenza manuale  
modulare con cilindrata 8,8 cc \*

Modular emergency  
hand pump 8,8 cc displacement \*

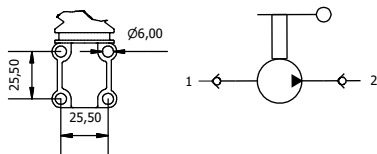
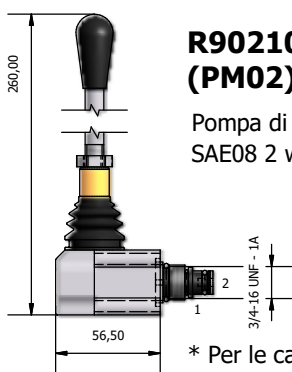


- \* La pompa può essere montata in posizione intermedia, alla fine o all'inizio di una serie di blocchi modulari. Viene fornita in kit con prolunga di 48 cm e il meccanismo di azionamento può essere capovolto scambiando la posizione di montaggio dei perni e della leva.
- \* The pump can be mounted in between, at the end or before a stack of other modular manifolds. It is supplied in kit with a 48 cm handle and the handle actuating mechanism can be reversed by switching the lever fixing pins and lever position.

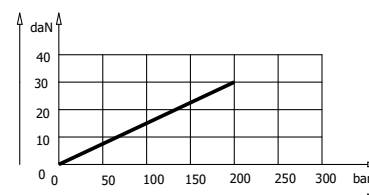


**R9021001  
(PM02)**

Pompa di emergenza manuale da 2,00 cc a cartuccia SAE08 2 vie \*  
SAE08 2 way cartridge emergency hand pump 2,00 cc \*



- \* Per le cavità in cui può essere montata vedere sezione 5  
\* See section 5 to see the cavities in which it can be mounted



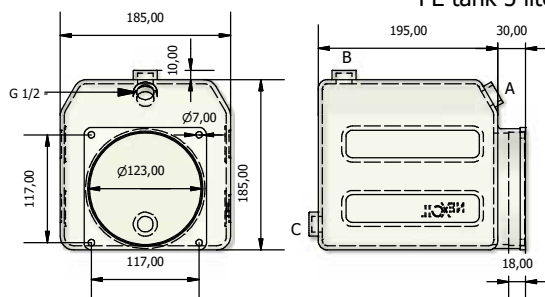
# 17 Serbatoi in plastica (PE)

## Plastic (PE) tanks

**R7272113 (5PLVA)**

**R7272171 (5PLHB)**

Serbatoio in PE da 5 litri di capacità montaggio orizzontale (**5PLH**) o verticale (**5PLV**)  
PE tank 5 liters capacity horizontal (**5PLH**) or vertical (**5PLV**) mounting



Fornito in kit con tappo di carico

Supplied with plug kit

Temperatura di impiego -10°C + 70°C

Working temperature -10°C + 70°C

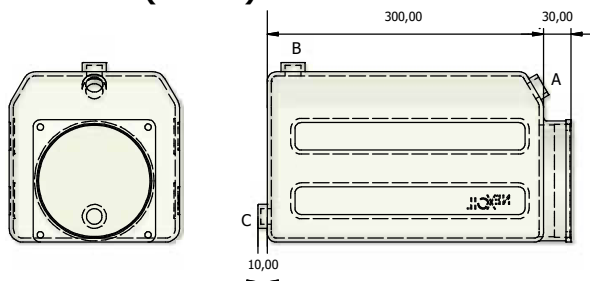
Predisposizione foro liscio o filettato in 3 posizioni,  
foro standard: G1/2" Nr.1

Predisposition smooth or threaded hole in 3 position,  
standard hole: G1/2" Nr.1

**R7272123 (8PLVA)**

**R7272122 (8PLHB)**

Serbatoio in PE da 8 litri di capacità montaggio orizzontale (**8PLH**) o verticale (**8PLV**)  
PE tank 8 liters capacity horizontal (**8PLH**) or vertical (**8PLV**) mounting



Fornito in kit con tappo di carico

Supplied with plug kit

Temperatura di impiego -10°C + 70°C

Working temperature -10°C + 70°C

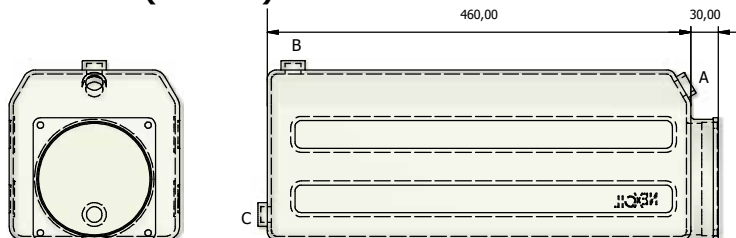
Predisposizione foro liscio o filettato in 3 posizioni,  
foro standard: G1/2" Nr.1

Predisposition smooth or threaded hole in 3 position,  
standard hole: G1/2" Nr.1

**R7272132 (12PLVA)**

**R7272133 (12PLHB)**

Serbatoio in PE da 12 litri di capacità montaggio orizzontale (**12PLH**) o verticale (**12PLV**)  
PE tank 12 liters capacity horizontal (**12PLH**) or vertical (**12PLV**) mounting



Fornito in kit con tappo di carico

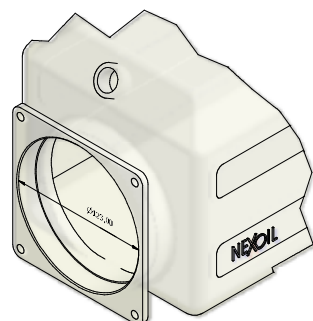
Supplied with plug kit

Temperatura di impiego -10°C + 70°C

Working temperature -10°C + 70°C

Predisposizione foro liscio o filettato in 3 posizioni,  
foro standard: G1/2" Nr.1

Predisposition smooth or threaded hole in 3 position,  
standard hole: G1/2" Nr.1



**R9289154**  
**(TRM-12)**

Tappo con filtro e sfiato G1/2"

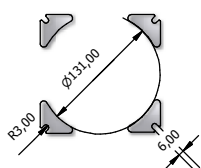
G1/2" breather and filter filling plug



**R9289106**  
**(TCNB/12G)**

Tappo di scarico G1/2" in plastica (opzionale)

G1/2" plastic unloading plug (optional)



**R7115013**  
**(PLT4XR)**

Kit opzionale 4 piastrine di rinforzo in acciaio zincato per serbatoi in plastica  
Optional reinforcement 4 zinc plated steel brackets kit for plastic tanks

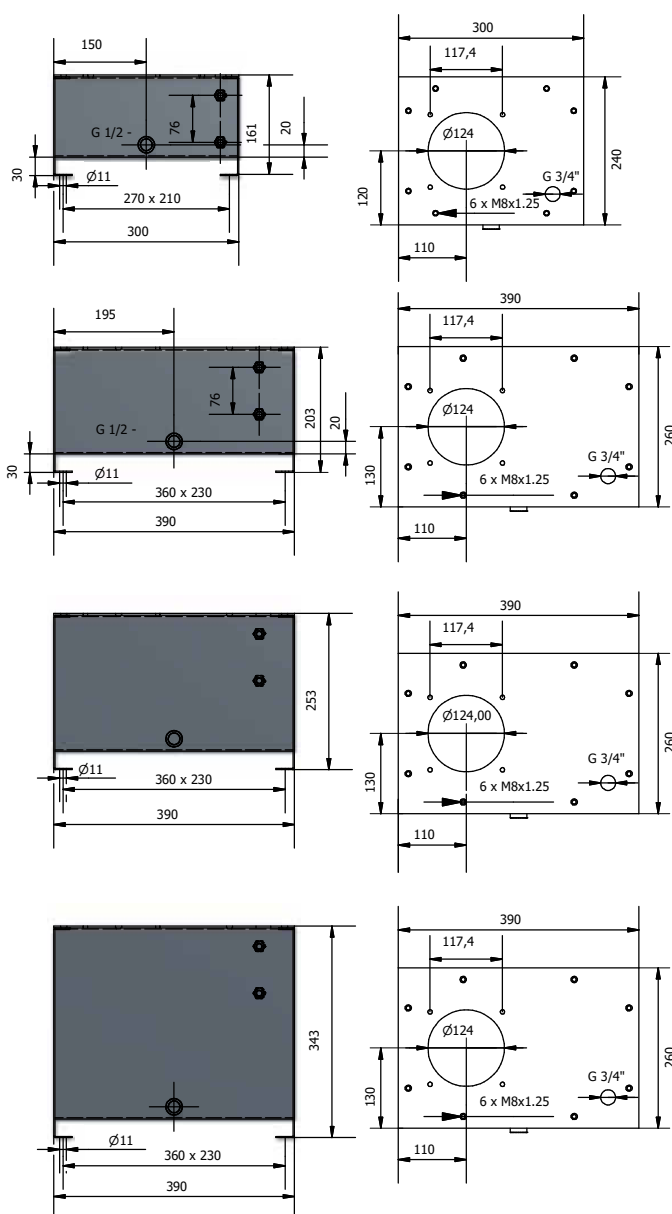
# 18 Serbatoi cilindrici in acciaio

## Cylindrical steel tanks

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                 |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>R7272001 (1,5SHA)</b><br/> <b>R7272002 (1,5SVA)</b><br/>                     Serbatoio cilindrico in acciaio da 1,5 litri orizzontale (1,5SH) o verticale (1,5SV) con tappi e raccordi<br/>                     Cylindrical steel tank 2,5 liters horizontal (1,5SH) or vertical (1,5SV) with plugs and fittings</p>                                                                                                                      | <p><b>R9289154 (TRM-12)</b><br/>                     Tappo di carico G1/2"<br/>                     Filling plug G1/2"</p>                                      |
|  | <p><b>R7272003 (2,5SHA)</b><br/> <b>R7272004 (2,5SVA)</b><br/>                     Serbatoio cilindrico in acciaio da 2,5 litri orizzontale (2,5SH) o verticale (2,5SV) con tappi e raccordi<br/>                     Cylindrical steel tank 2,5 liters horizontal (1,5SH) or vertical (1,5SV) with plugs and fittings</p>                                                                                                                      | <p><b>R9289103 (TSG-12)</b><br/>                     Tappo di scarico G1/2"<br/>                     Unloading plug G1/2"</p>                                   |
|  | <p><b>R7272005 (5SHA)</b><br/> <b>R7272006 (5SVA)</b><br/>                     Serbatoio cilindrico in acciaio da 5 litri orizzontale (5SH) o verticale (5SV)<br/>                     Cylindrical steel tank 5 liters horizontal (5SH) or vertical (5SV)<br/>                     (Kit completo di tappi di carico scarico e anello di tenuta)<br/>                     (Complete kit with filling and unloading plugs and O-ring)</p>         | <p><b>R9223001 (E602)</b><br/>                     Curva MF G1/2" 90° per serbatoi verticali<br/>                     90° MF G1/2" elbow for vertical tanks</p> |
|  | <p><b>R7272007 (8SHA)</b><br/> <b>R7272008 (8SVA)</b><br/>                     Serbatoio cilindrico in acciaio da 8 litri orizzontale (8SH) o verticale (8SV)<br/>                     Cylindrical steel tank 8 liters horizontal (8SH) or vertical (8SV)<br/>                     (Kit completo di tappi di carico scarico e anello di tenuta)<br/>                     (Complete kit with filling and unloading plugs and O-ring)</p>         |                                                                                                                                                                 |
|  | <p><b>R7272009 (10SHA)</b><br/> <b>R7272010 (10SVA)</b><br/>                     Serbatoio cilindrico in acciaio da 10 litri orizzontale (10SH) o verticale (10SV)<br/>                     Cylindrical steel tank 10 liters horizontal (10SH) or vertical (10SV)<br/>                     (Kit completo di tappi di carico scarico e anello di tenuta)<br/>                     (Complete kit with filling and unloading plugs and O-ring)</p> |                                                                                                                                                                 |
|  | <p><b>R7272011 (12SHA)</b><br/> <b>R7272012 (12SVA)</b><br/>                     Serbatoio cilindrico in acciaio da 12 litri orizzontale (12SH) o verticale (12SV)<br/>                     Cylindrical steel tank 12 liters horizontal (12SH) or vertical (12SV)<br/>                     (Kit completo di tappi di carico scarico e anello di tenuta)<br/>                     (Complete kit with filling and unloading plugs and O-ring)</p> |                                                                                                                                                                 |
|  | <p><b>R7272019 (12CH)</b><br/> <b>R7272020 (12CV)</b><br/>                     Serbatoio cilindrico in acciaio da 12 litri con staffe di supporto<br/>                     Cylindrical steel tank 12 liters capacity with support brackets<br/>                     (Kit completo di tappo di carico e anello di tenuta per corpo centrale)<br/>                     (Complete kit with filling plug and O-ring for central manifold)</p>       |                                                                                                                                                                 |
|  | <p><b>R9189008 (OR112X4)</b><br/>                     O-ring speciale di tenuta fornito con i serbatoi D.200 mm e D.220 mm<br/>                     Special sealing O-ring supplied with D.200 mm and D.220 mm tanks</p>                                                                                                                                                                                                                        |                                                                                                                                                                 |

# 19 Serbatoi rettangolari in acciaio con coperchio avvitato

Rectangular steel tanks with screw-on cover



## R7272058 (7LV)

**Serbatoio da 7 litri in acciaio rettangolare con coperchio**  
**7 liters capacity rectangular tank with cover**

(Completo di tappi di carico, scarico, guarnizioni e livello visivo)  
 (Complete of filling and unloading plugs, visual oil level and seals)

## R7272056 (15LV)

**Serbatoio da 15 litri in acciaio rettangolare con coperchio**  
**15 liters capacity rectangular tank with cover**

(Completo di tappi di carico, scarico, guarnizioni e livello visivo)  
 (Complete of filling and unloading plugs, visual oil level and seals)

## R7272053 (20LV)

**Serbatoio da 20 litri in acciaio rettangolare con coperchio**  
**20 liters capacity rectangular tank with cover**

(Completo di tappi di carico, scarico, guarnizioni e livello visivo)  
 (Complete of filling and unloading plugs, visual oil level and seals)

## R7272054 (30LV)

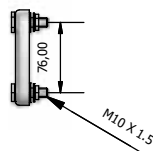
**Serbatoio da 30 litri in acciaio rettangolare con coperchio**  
**30 liters capacity rectangular tank with cover**

(Completo di tappi di carico, scarico, guarnizioni e livello visivo)  
 (Complete of filling and unloading plugs, visual oil level and seals)

## R9289155 (TRM-34)



Tappo di carico G3/4"  
 Filling plug G3/4"



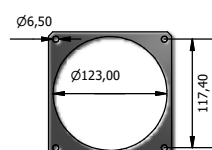
## R9041001 (SLV76)

Indicatore visivo livello olio  
 Visual oil level indicator

## R9289103 (TSG-12)



Tappo di scarico G1/2"  
 Unloading plug G1/2"

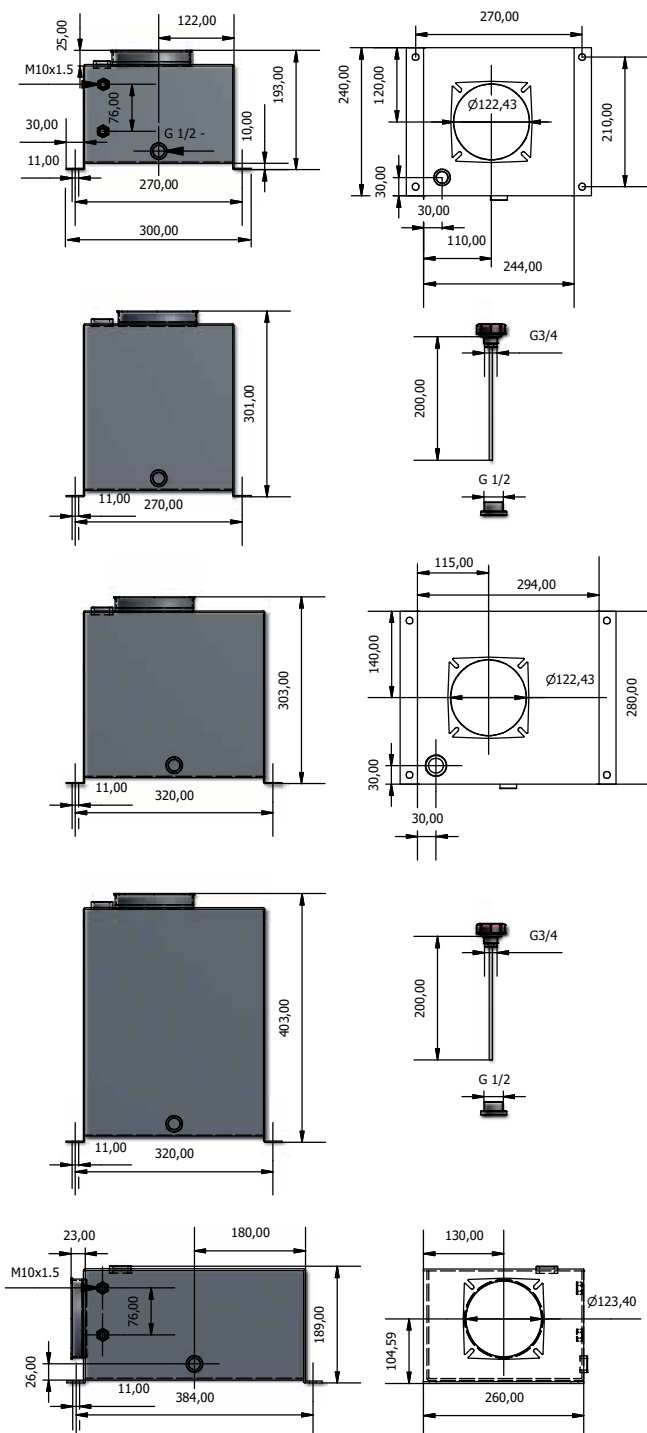


## R8161001 (SEAL01)

Guarnizione per montaggio corpo centrale  
 Central manifold mounting seal

# 20 Serbatoi rettangolari in acciaio con collare

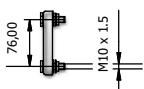
*Rectangular steel tanks with collar*



**R9289155**

**(TRM-34)**

Tappo di carico G3/4"  
Filling plug G3/4"



**R9041001**

**(SLV76)**

Indicatore visivo livello olio  
Visual oil level indicator



**R9289103**

**(TSG-12)**

Tappo di scarico G1/2"  
Unloading plug G1/2"

**R7272172 (7LC)** (astina di livello / oil level stick)

**R7272051 (7LCV)** (livello visivo / visual oil level)

**Serbatoio in acciaio rettangolare con collare da 7 litri**  
**7 liters capacity rectangular tank with collar**

(Completo di tappo di scarico, tappo di carico)

(Complete of unloading plug, filling plug)

**R7272134 (15LC)** (astina di livello / oil level stick)

**R7272135 (15LCV)** (livello visivo / visual oil level)

**Serbatoio rettangolare in acciaio con collare da 15 litri**  
**15 liters capacity rectangular tank with collar**

(Completo di tappo di scarico, tappo di carico)

(Complete of unloading plug, filling plug)

**R7272136 (20LC)** (astina di livello / oil level stick)

**R7272137 (20LCV)** (livello visivo / visual oil level)

**Serbatoio in acciaio rettangolare con collare da 20 litri**  
**20 liters capacity rectangular tank with collar**

(Completo di tappo di scarico, tappo di carico)

(Complete of unloading plug, filling plug)

**R7272138 (30LC)** (astina di livello / oil level stick)

**R7272139 (30LCV)** (livello visivo / visual oil level)

**Serbatoio in acciaio rettangolare con collare da 30 litri**  
**30 liters capacity rectangular tank with collar**

(Completo di tappo di scarico, tappo di carico)

(Complete of unloading plug, filling plug)

**R7272057 (15E)**

**Serbatoio in acciaio con collare orizzontale da 15 litri**  
**15 liters capacity tank with horizontal collar**

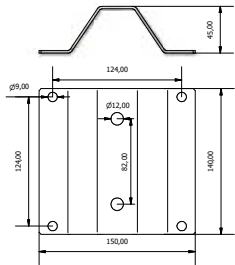
(Completo di tappo di scarico, tappo di carico e livello visivo)

(Complete of unloading plug, filling plug and visual oil level)

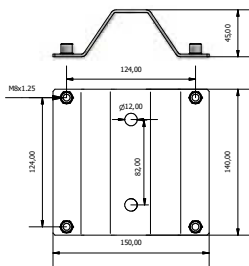
## 21 Accessori

### Accessories

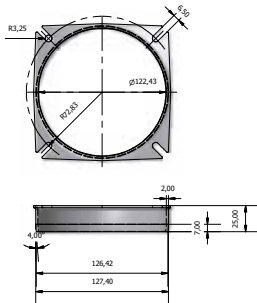
#### Descrizione



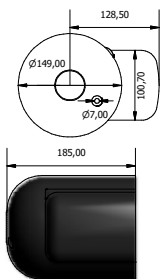
**R8278003 (F)** Piedino di supporto centraline in acciaio zincato  
Zinc plated steel foot mounting support



**R8278004 (F08-TL)** Piedino di supporto centraline in acciaio zincato con inseri filettati M8  
Zinc plated steel foot mounting support with M8 threaded inserts



**R8177101 (R81)** Collare in acciaio a saldare per realizzazione serbatoi a disegno  
Weld-on steel collar for custom tanks



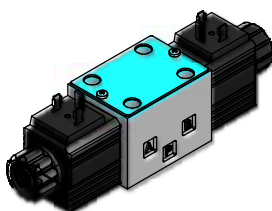
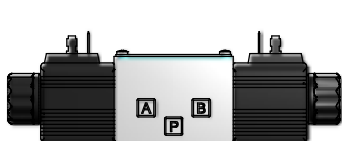
**R9138001 (F16)** Protezione motore in C.C. D.112-115  
D.112-115 DC motor protection cover



**R8289101 (D-CAP)** Sigillo antimanomissione valvola di massima VMDC35/\*\*  
Tampering prevention seal relief valve VMDC35/\*\*

# 22 Valvole e accessori modulari Cetop3

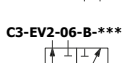
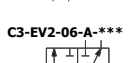
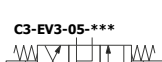
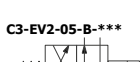
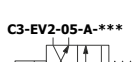
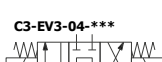
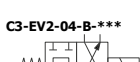
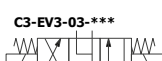
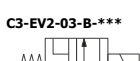
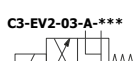
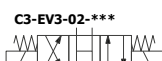
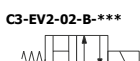
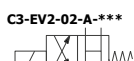
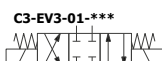
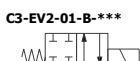
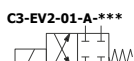
*Cetop3 modular valves and accessories*



**Elettrovalvola direzionale CETOP3 con bobine (1)**  
**Directional solenoid CETOP3 valve with coils (1)**

## Versioni disponibili

Available version



**C3 - EV\* - \*\* - \* - \*\*\*\***

Numero di posizioni  
Valve positions number

N° riferimento schema idraulico  
Hydraulic scheme reference n°

Solenoide lato A o lato B (solo per valvole a 2 posizioni)  
A side or B side solenoid position (Only for 2 position valves)

Codice di riferimento tensione bobine  
Coil voltage reference code

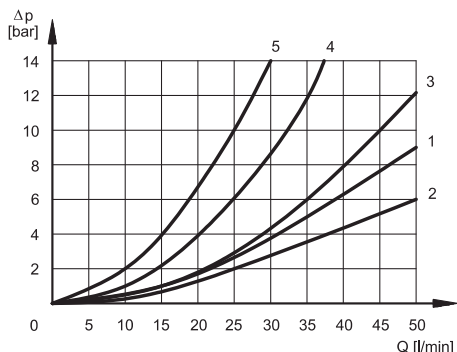
| D12    | D24    | R110          | R220        | A24                                            | A110                                          | A230      |
|--------|--------|---------------|-------------|------------------------------------------------|-----------------------------------------------|-----------|
| 12V CC | 24V CC | 110V          | 220V        | 24V 50Hz                                       | 110V 50Hz                                     | 230v 50Hz |
| 12V DC | 24V DC | (Raddrizzata) | (Rectified) | (1) Bobine standard per connettori DIN 43650-A | (1) Standard coils for DIN 43650-A connectors |           |

## LIMITI DI IMPIEGO

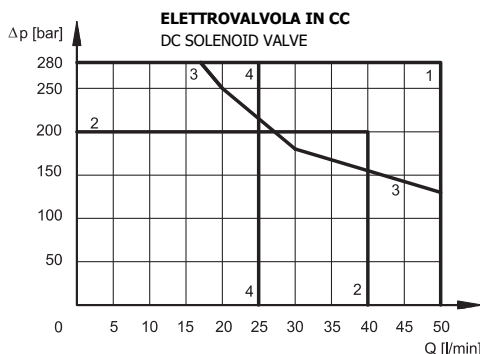
Le curve delimitano i campi di funzionamento portata in funzione della pressione per le diverse esecuzioni dell'elettrovalvola. Le prove sono state eseguite secondo la norma ISO 6403, con tensione di alimentazione al 90% del valore nominale e con magneti a temperatura di regime. I valori indicati sono rilevati, con olio minerale viscosità 36 cSt a 50°C e filtrazione ISO 4406:1999 classe 18/16/13.

## OPERATING LIMITS

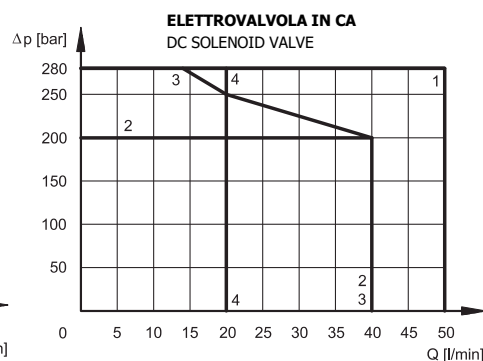
The curves define the flow rate operating fields according to the valve pressure of the different versions. The values have been obtained according to ISO 6403 norm with solenoids at rated temperature and supplied with voltage equal to 90% of the nominal voltage. The value have been obtained with mineral oil, viscosity 36 cSt, temperature 50 °C and filtration according to ISO 4406:1999 class 18/16/13.



**ELETTROVALVOLA COMMUTATA**  
**ENERGIZED VALVE**



**ELETTROVALVOLA IN CC**  
**DC SOLENOID VALVE**



**ELETTROVALVOLA IN CA**  
**DC SOLENOID VALVE**

| CURSORE<br>SPOOL     | COLLEGAMENTI |     |     |     | FLOW DIRECTIONS |  |
|----------------------|--------------|-----|-----|-----|-----------------|--|
|                      | P→A          | P→B | A→T | B→T | P→T             |  |
| 2-01-A, 2-01-B, 3-01 | 1            | 1   | 1   | 1   | -               |  |
| 2-02-A, 2-01-B, 3-01 | 1            | 1   | 2   | 2   | 3               |  |
| 2-03-A, 2-03-B, 3-03 | 3            | 3   | 2   | 2   | -               |  |
| 2-04-A, 2-04-B, 3-04 | 4            | 4   | 4   | 4   | 5               |  |
| 3-05                 | 2            | 3   | 2   | 3   | -               |  |
| 2-05/06-A, 2-05/06-B | 3            | 3   | 3   | 3   | -               |  |

| CURSORE           | SPOOL | CURVA | CURVE |
|-------------------|-------|-------|-------|
| 3-01, 2-05/06-A/B |       | 1     |       |
| 2/3-02-A/B        |       | 2     |       |
| 2/3-03-A/B        |       | 3     |       |
| 2/3-04-A/B        |       | 4     |       |

| CURSORE           | SPOOL | CURVA | CURVE |
|-------------------|-------|-------|-------|
| 3-01, 2-05/06-A/B |       | 1     |       |
| 2/3-02-A/B        |       | 2     |       |
| 2/3-03-A/B        |       | 3     |       |
| 2/3-04-A/B        |       | 4     |       |

# 22 Valvole e accessori modulari Cetop3

## Cetop3 modular valves and accessories

### Valvola di controllo di flusso CETOP3 CETOP3 modular flow control valve

Flusso controllato in uscita **U** o in entrata **E**

Flow controlled on outlet **U** or on return **E**

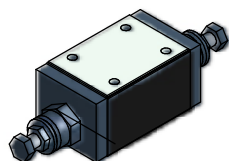
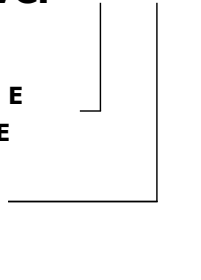
Porte controllate:

Flow controlled ports: **AB, AX, BX**

Valvola reversibile:

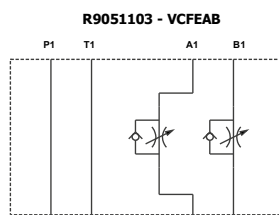
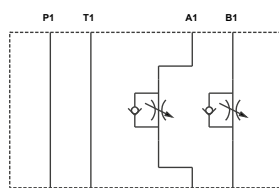
Reversible valve: **R**

**VCF \* \*\* \***

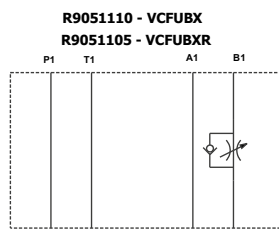
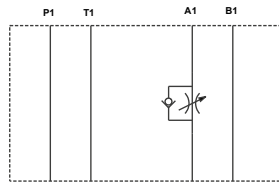


### Versioni disponibili Available versions

R9051101 - VCFUAB  
R9051102 - VCFUABR

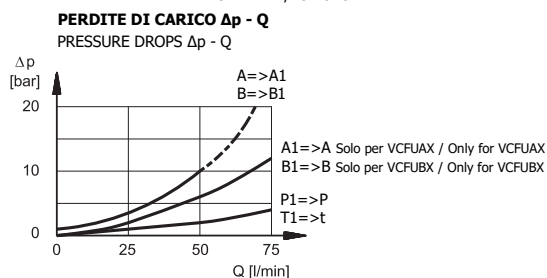
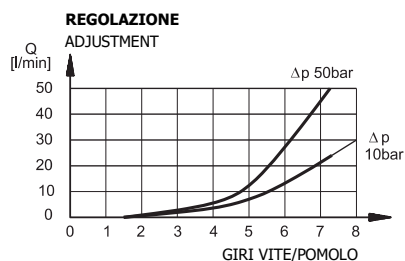


R9051109 - VCFUAX  
R9051104 - VCFUAXR



### CURVE CARATTERISTICHE (valori ottenuti con viscosità 36 cSt a 50°C)

### CHARACTERISTIC CURVES (values obtained with viscosity of 36 cSt at 50°C)



### Valvola regolatrice di pressione ad azione diretta CETOP3 CETOP3 direct operated pressure relief valve

Tipologie di regolazione:

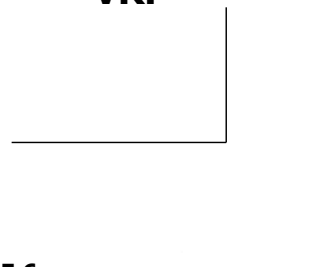
Pressure relief scheme types:

**PT, AT, BT, ATBT, ABBA**

Campo di regolazione:

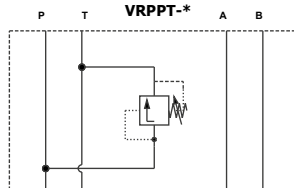
Pressure control range: **2,3,4,5,6**

**VRP \*\*\*\* - \***

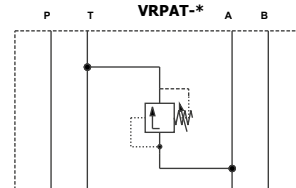


### Versioni disponibili Available versions

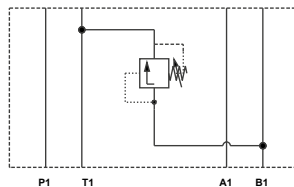
R813230\*  
VRPPT-\*



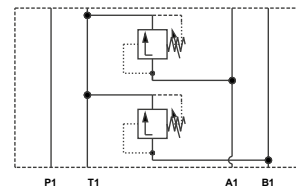
R813233\*  
VRPAT-\*



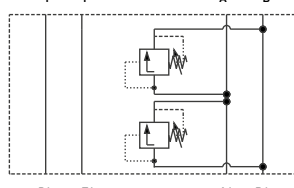
R813231\*  
VRPBT-\*



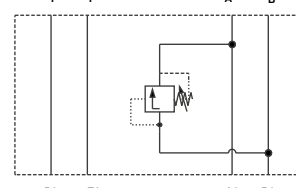
R813234\*  
VRPATBT-\*



R813232\*  
VRPABBA-\*

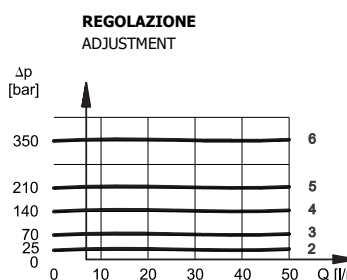


R813235\*  
VRPBA-\*

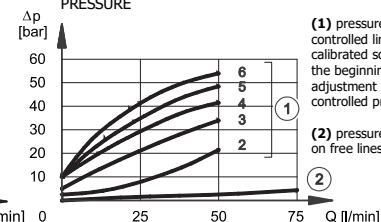


### CURVE CARATTERISTICHE (valori ottenuti con viscosità 36 cSt a 50°C)

### CHARACTERISTIC CURVES (values obtained with viscosity of 36 cSt at 50°C)



### PERDITE DI CARICO E PRESSIONE MINIMA REGOLATA PRESSURE DROPS AND MINIMUM REGULATED PRESSURE



(1) condotti controllati con vite tarata ad inizio regolazione (pressione minima regolata)

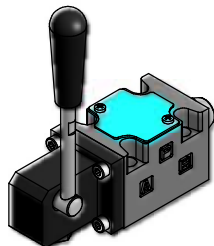
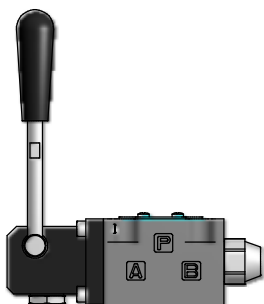
(2) perdite di carico nei condotti liberi

(1) pressure drops on controlled lines with calibrated screw at the beginning of the adjustment (minimum controlled pressure)

(2) pressure drops on free lines

# 22 Valvole e accessori modulari Cetop3

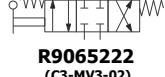
*Cetop3 modular valves and accessories*



**Valvola direzionale CETOP3 ad azionamento manuale**  
Lever operated CETOP3 directional valve

**Versioni disponibili**  
Available version

**R9065221**  
(C3-MV3-01)



**R9065222**  
(C3-MV3-02)



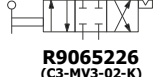
**R9065223**  
(C3-MV3-03)



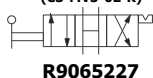
**R9065224**  
(C3-MV3-04)



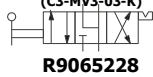
**R9065225**  
(C3-MV3-01-K)



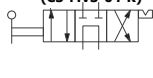
**R9065226**  
(C3-MV3-02-K)



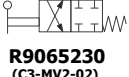
**R9065227**  
(C3-MV3-03-K)



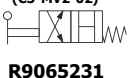
**R9065228**  
(C3-MV3-04-K)



**R9065229**  
(C3-MV2-01)



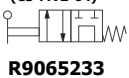
**R9065230**  
(C3-MV2-02)



**R9065231**  
(C3-MV2-03)



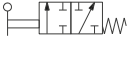
**R9065232**  
(C3-MV2-04)



**R9065233**  
(C3-MV2-05)



**R9065234**  
(C3-MV2-06)



**R9065235**  
(C3-MV2-01-K)



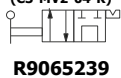
**R9065236**  
(C3-MV2-02-K)



**R9065237**  
(C3-MV2-03-K)



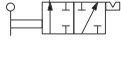
**R9065238**  
(C3-MV2-04-K)



**R9065239**  
(C3-MV2-05-K)



**R9065240**  
(C3-MV2-06-K)



**C3 - MV\* - \*\* - \***

Numero di posizioni  
Valve positions number

N° riferimento schema idraulico  
Hydraulic scheme reference n°

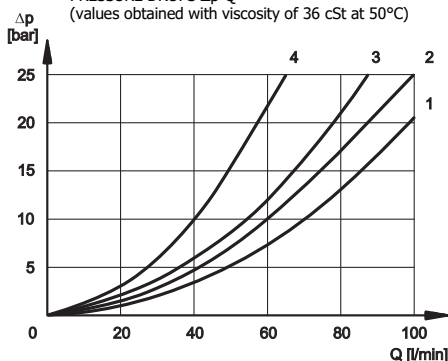
Ritorno a molla se omissso, «K» con detent  
Spring return if omitted, «K» with detent

## PERDITE DI CARICO $\Delta p-Q$

(valori ottenuti con viscosità 36 cSt a 50 °C)

## PRESSURE DROPS $\Delta p-Q$

(values obtained with viscosity of 36 cSt at 50°C)



**VALVOLA COMMUTATA**  
VALVE IN ENERGIZED POSITION

| CURSORE<br>SPOOL   | COLLEGAMENTI<br>FLOW DIRECTIONS |     |     |     |
|--------------------|---------------------------------|-----|-----|-----|
|                    | P→A                             | P→B | A→T | B→T |
| 3-01, 2-01, 2-01-K | 2                               | 2   | 3   | 3   |
| 3-02, 2-02, 2-02-K | 1                               | 1   | 3   | 3   |
| 3-03, 2-03, 2-03-K | 3                               | 3   | 1   | 1   |
| 3-04, 2-04, 2-04-K | 4                               | 4   | 4   | 4   |
| 2-05, 2-05-K       | 3                               | 3   | 3   | 3   |
| 2-06, 2-06-K       | 3                               | 3   |     |     |

**VALVOLA IN POSIZIONE CENTRALE**  
VALVE IN DE-ENERGIZED POSITION

| CURSORE<br>SPOOL   | COLLEGAMENTI<br>FLOW DIRECTIONS |     |     |     |
|--------------------|---------------------------------|-----|-----|-----|
|                    | P→B                             | A→T | B→T | P→T |
| 3-02, 2-02, 2-02-K |                                 |     |     | 2   |
| 3-03, 2-03, 2-03-K |                                 | 3   | 3   |     |
| 3-04, 2-04, 2-04-K |                                 |     |     | 3   |





**Nexoil s.r.l.**

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