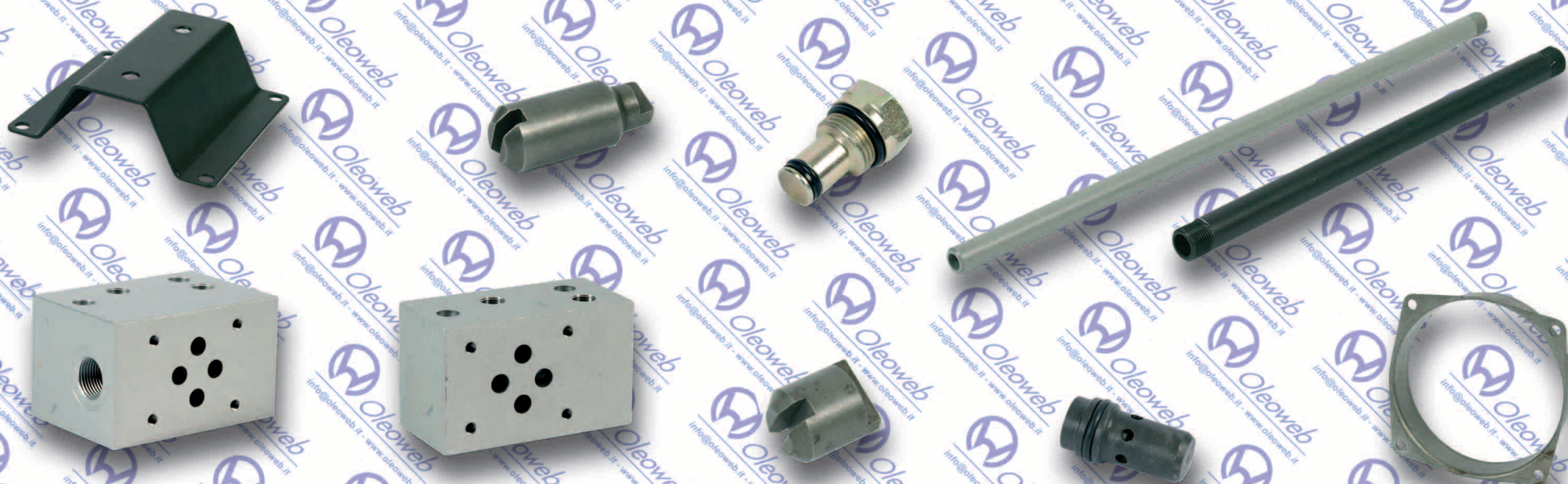




# Oleoweb

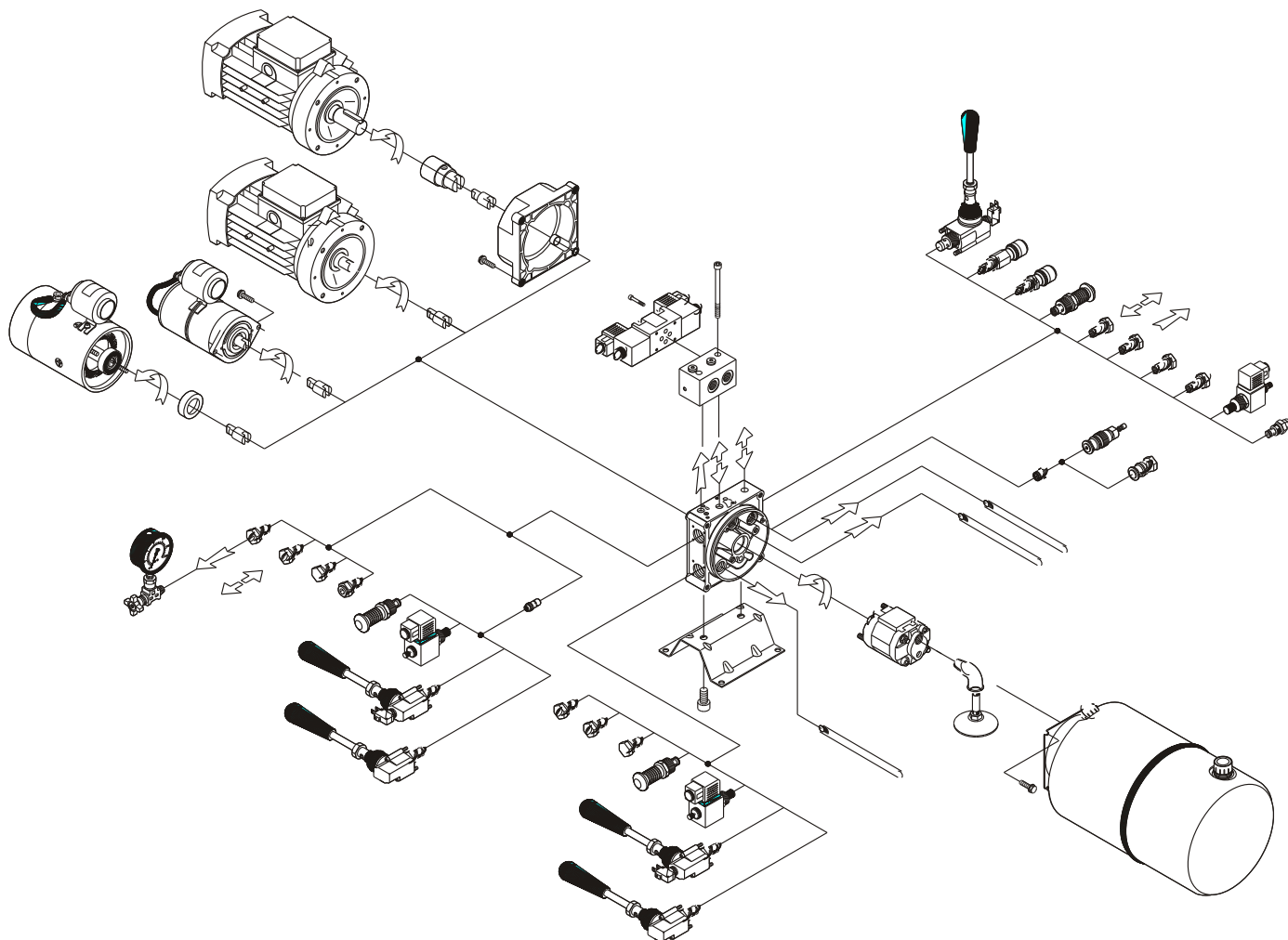
## HYDRAULIC VALVES AND COMPONENTS



**Componenti per minicentralina**  
**Components for mini-power packs**

[WWW.OLEOWEB.COM](http://WWW.OLEOWEB.COM)





**OW6** mini power packs have been studied for a simple, economic and versatile use in the many applications of the hydraulic fields. The mini power packs are supplied disassembled ; the various components are packed in kits to simplify the assembly and management .

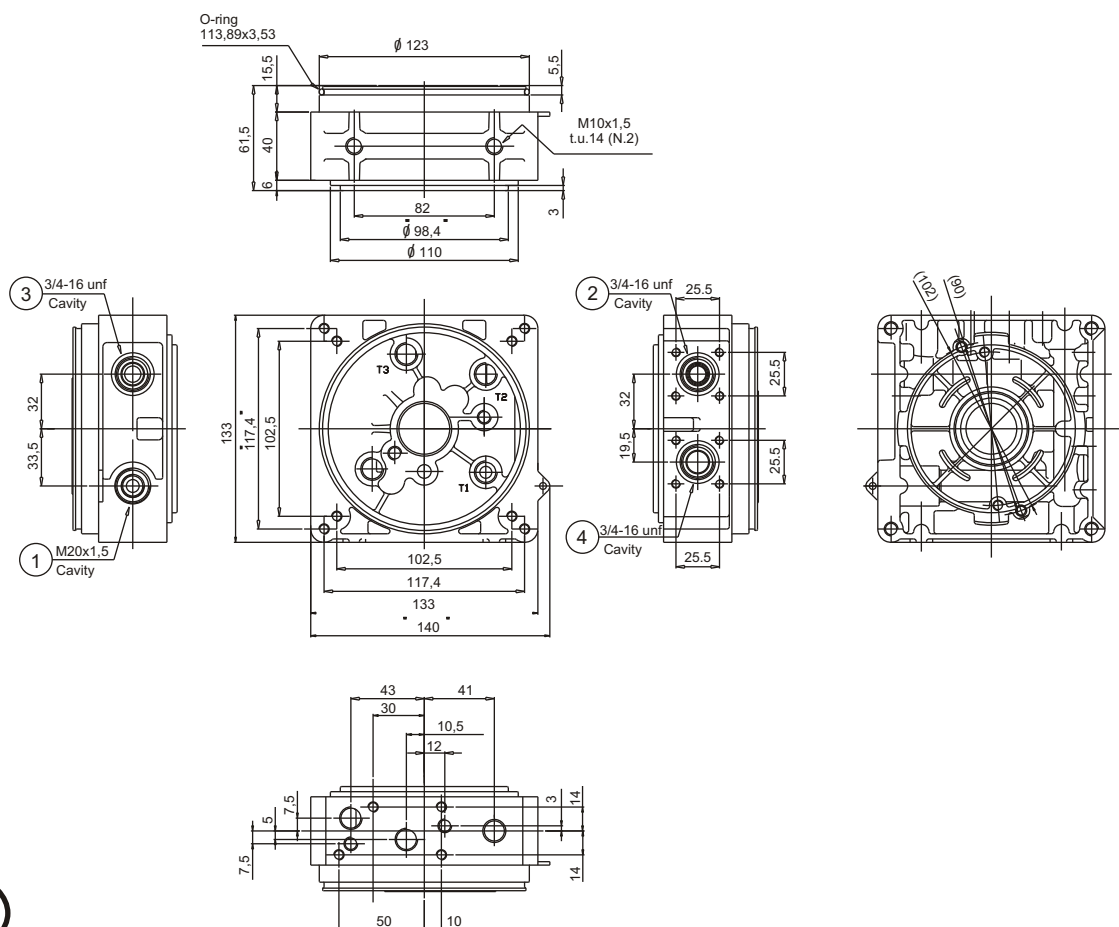
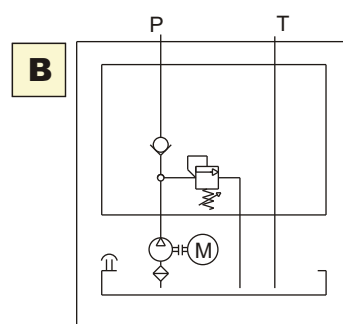
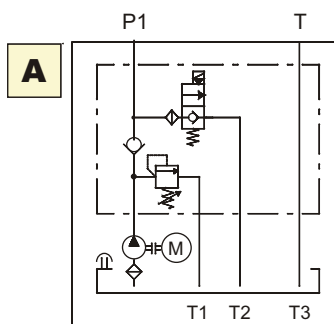
#### Technical specifications:

- Mini power pack body made of high resistance die-cast aluminium
- Group 1 gear pump (right rotation) from 0.8 up to 8.8 cm<sup>3</sup>/rev.
- D.C. motors from 0.5 up to 2.2 Kw-12/24 VDC
- A.C. Motors from 0,25 to 4 Kw with direct coupling
- Pre-arrangement for a.c. Motors from 0.25 up to 5.5 Kw-B14
- Reservoirs made of steel and die-cast aluminium from 1.5 up to 25 liters
- Pre-arrangement for CETOP 3 solenoid valves mounting
- Special manifolds and circuits
- Max working pressure : 250 bar
- Fluid working temperature : -15° + 70°C

|           |                                 |                                                          |                 |                      |
|-----------|---------------------------------|----------------------------------------------------------|-----------------|----------------------|
| <b>1</b>  | <b>Body kit</b>                 | Including tank sealing O-ring                            | <b>Page nr.</b> | <b>2</b>             |
| <b>2</b>  | <b>Pump kit</b>                 | Including assembling screws                              |                 | <b>2</b>             |
| <b>3</b>  | <b>Valves</b>                   |                                                          |                 | <b>from 3 to 10</b>  |
| <b>4</b>  | <b>D.C motor</b>                |                                                          |                 | <b>11</b>            |
| <b>5</b>  | <b>A.C motor</b>                |                                                          |                 | <b>12</b>            |
| <b>6</b>  | <b>B14-A.C mounting kit</b>     | Formed by : flange,coupling, screws                      |                 | <b>from 13 to 14</b> |
| <b>7</b>  | <b>Tank kit</b>                 | Formed by: tank, fillind/breating plug and fixing screws |                 | <b>15</b>            |
| <b>8</b>  | <b>Suction return kit</b>       | Formed by: filters, suction/return line hoses for tanks  |                 | <b>from 16 to 22</b> |
| <b>9</b>  | <b>Cetop3 modular manifolds</b> |                                                          |                 | <b>23</b>            |
| <b>10</b> | <b>Accessories</b>              |                                                          |                 | <b>24</b>            |

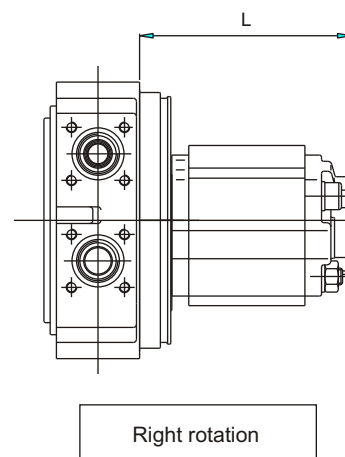
## 1 Body kit

|                        | Ordering code |
|------------------------|---------------|
| <b>A</b> Single acting | 64200030      |
| <b>B</b> Double acting | 64200031      |

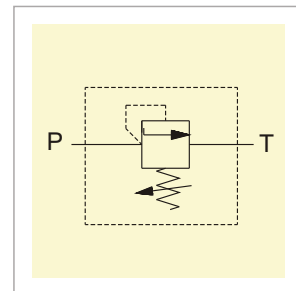
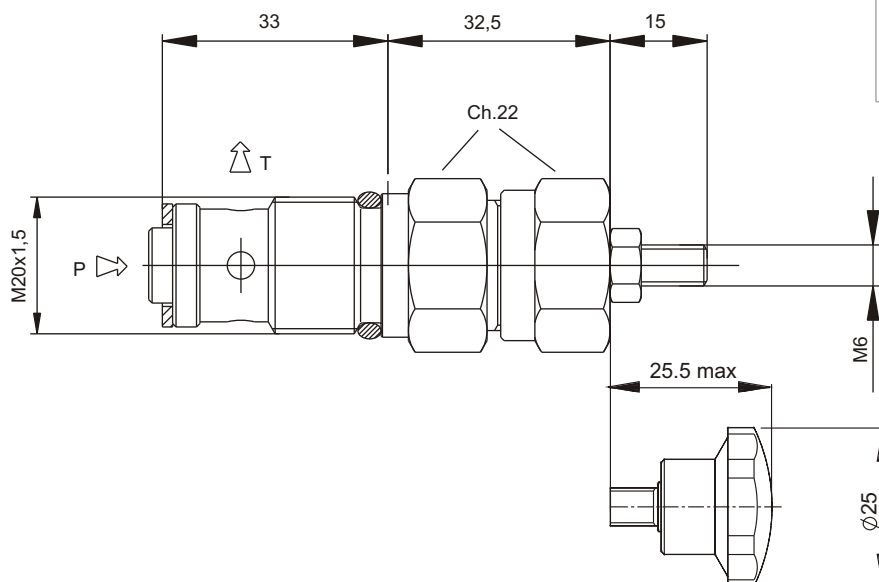


## 2 Pump kit

| Displacement<br>cc/rev | Max working pressure<br>P1 | Peak pressure<br>P2 | Max speed for P1 pressure<br>r.p.m | Overall dimensions<br>L | Ordering code |
|------------------------|----------------------------|---------------------|------------------------------------|-------------------------|---------------|
| 0.8                    | 230 bar                    | 270 bar             | 6000                               | 89,5                    | 11300001      |
| 1.1                    | 230 bar                    | 270 bar             | 6000                               | 89,5                    | 11300002      |
| 1.3                    | 230 bar                    | 270 bar             | 6000                               | 90,5                    | 11300003      |
| 1.6                    | 230 bar                    | 270 bar             | 6000                               | 91,5                    | 13000004      |
| 2.1                    | 230 bar                    | 270 bar             | 6000                               | 93,5                    | 13000005      |
| 2.6                    | 230 bar                    | 270 bar             | 6000                               | 95,5                    | 13000006      |
| 3.2                    | 210 bar                    | 250 bar             | 5000                               | 97,5                    | 13000007      |
| 3.7                    | 210 bar                    | 250 bar             | 4500                               | 99,5                    | 13000008      |
| 4.2                    | 210 bar                    | 250 bar             | 4000                               | 101,5                   | 13000009      |
| 4.8                    | 190 bar                    | 230 bar             | 3500                               | 103,5                   | 13000010      |
| 5.8                    | 190 bar                    | 230 bar             | 3000                               | 107,5                   | 13000011      |
| 7.9                    | 160 bar                    | 200 bar             | 2500                               | 115,5                   | 13000012      |
| 8,8                    | 100 bar                    | 140 bar             | 2500                               | 120,5                   | 13000013      |



**3** Valves



Caratteristiche tecniche  
Features

| Portata max<br>Max flow<br>l/min | Molla<br>Spring | Pressione max<br>Max pressure<br>bar | Peso<br>Weight<br>Kg |
|----------------------------------|-----------------|--------------------------------------|----------------------|
| 20                               | 1               | 50                                   | 0,15                 |
|                                  | 2               | 150                                  |                      |
|                                  | 3               | 250                                  |                      |

Codice di ordinazione  
Ordering code

**VMD25**

Chiave  
Screw

**C**

Volantino  
Handwheel

**V**

Regolazione  
Adjustment

50 bar(max) **1**

150 bar(max) **2**

250 bar(max) **3**

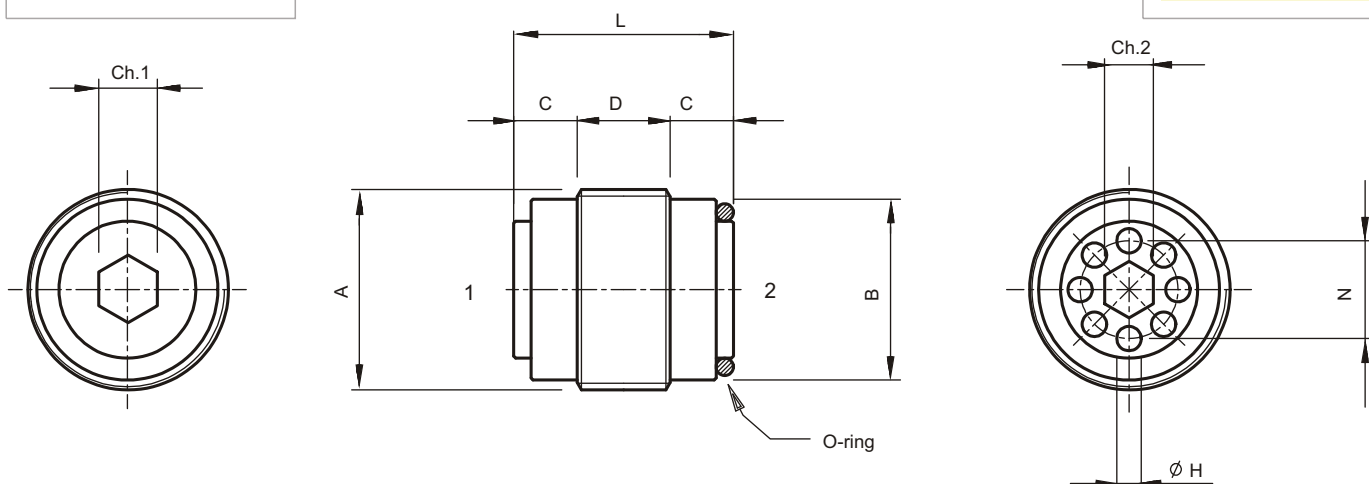
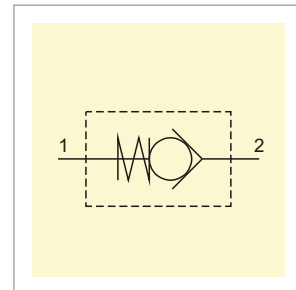
Campo di regolazione  
Setting range

**3 Valves**



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

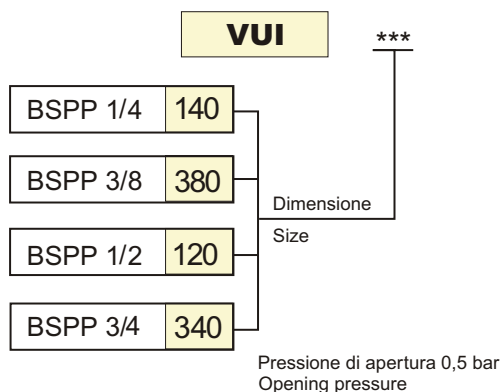
*VUI cartridge check valves allow oil passing through one way only and stop it on the opposite way. Sealing is granted by a ball.*



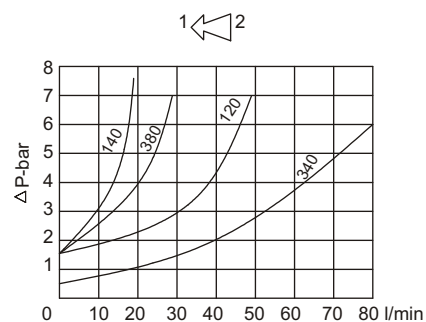
**Caratteristiche tecniche**  
**Features**

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

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



**Perdite di carico**  
**Pressure drops**

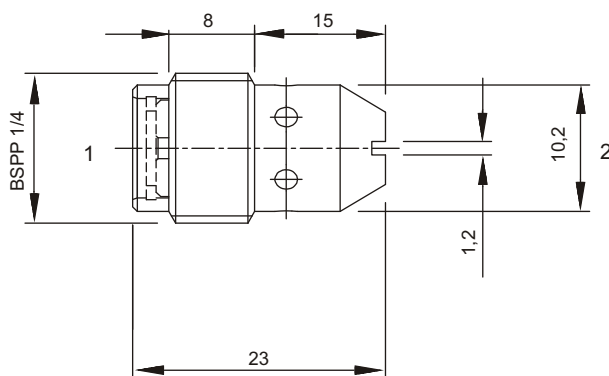
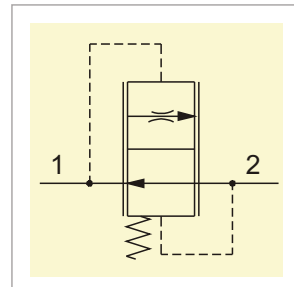


## 3 Valves



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

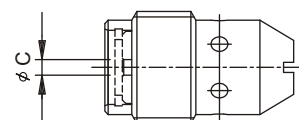
*VSC fixed compensated load control valves keep the load descent constant, without effect by working pressure and load value.*



Codice di ordinazione  
Ordering code

**VSC140**

| VSC 140  | Portata controllata a 100 bar $\pm 10\%$<br>Controlled flow at 100 bar $\pm 10\%$<br>L/min |
|----------|--------------------------------------------------------------------------------------------|
| $\phi$ C |                                                                                            |
| 0.8      | 1                                                                                          |
| 1        | 2                                                                                          |
| 1.25     | 3                                                                                          |
| 1.5      | 4                                                                                          |
| 1.75     | 5                                                                                          |
| 2        | 6                                                                                          |
| 2.5      | 7                                                                                          |
| 2.75     | 8                                                                                          |
| 3        | 9                                                                                          |
| 3,5      | 10                                                                                         |
| 3.75     | 11                                                                                         |
| 4        | 12                                                                                         |



Portata (Vedi tabella)  
Flow (See table)

Senza foro  
Without hole

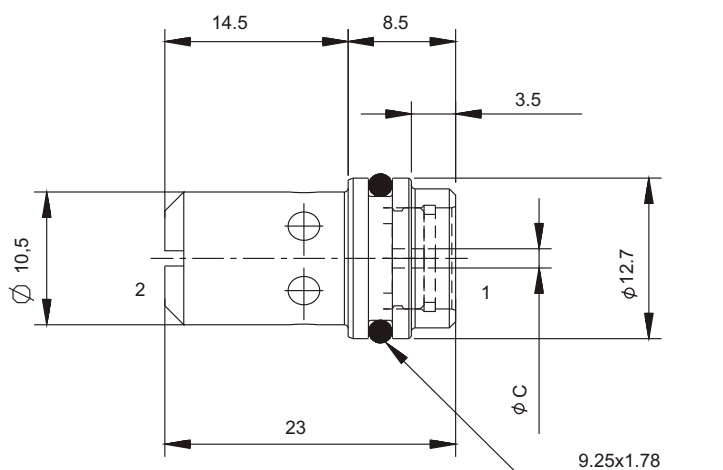
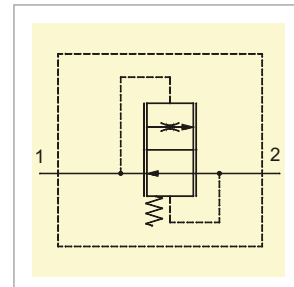
0 1 2 3 4 5 6 7 8 9 10 11 12

**3 Valves**



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

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



**Caratteristiche tecniche**  
**Features**

| Portata max<br>Max flow<br>l/min | Pressione max<br>Max pressure<br>bar | Peso<br>Weight<br>Kg |
|----------------------------------|--------------------------------------|----------------------|
| 12                               | 250                                  | 0,015                |

Codice di ordinazione  
 Ordering code

**VSCR6**

\*

Portata (Vedi tabella)  
 Flow (See table)

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

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

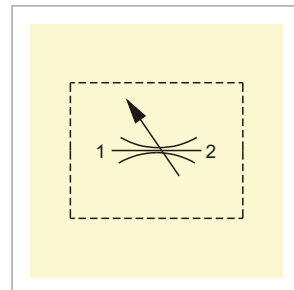


**3 Valves**



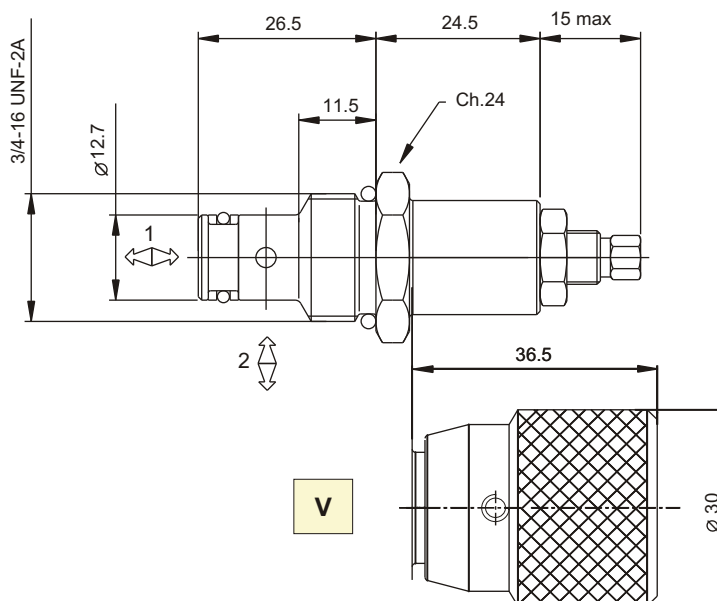
Le valvole di controllo flusso bidirezionali VBF6 consentono la regolazione del flusso in entrambi i sensi

*VBF6 flow control valves allow flow adjustment in both directions*



**C**

3/4-16 UNF



**V**

**Caratteristiche tecniche**  
**Features**

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

Codice di ordinazione  
 Ordering code

**VBF6**

\*

|                        |          |
|------------------------|----------|
| Chiave<br>Screw        | <b>C</b> |
| Volantino<br>Handwheel | <b>V</b> |

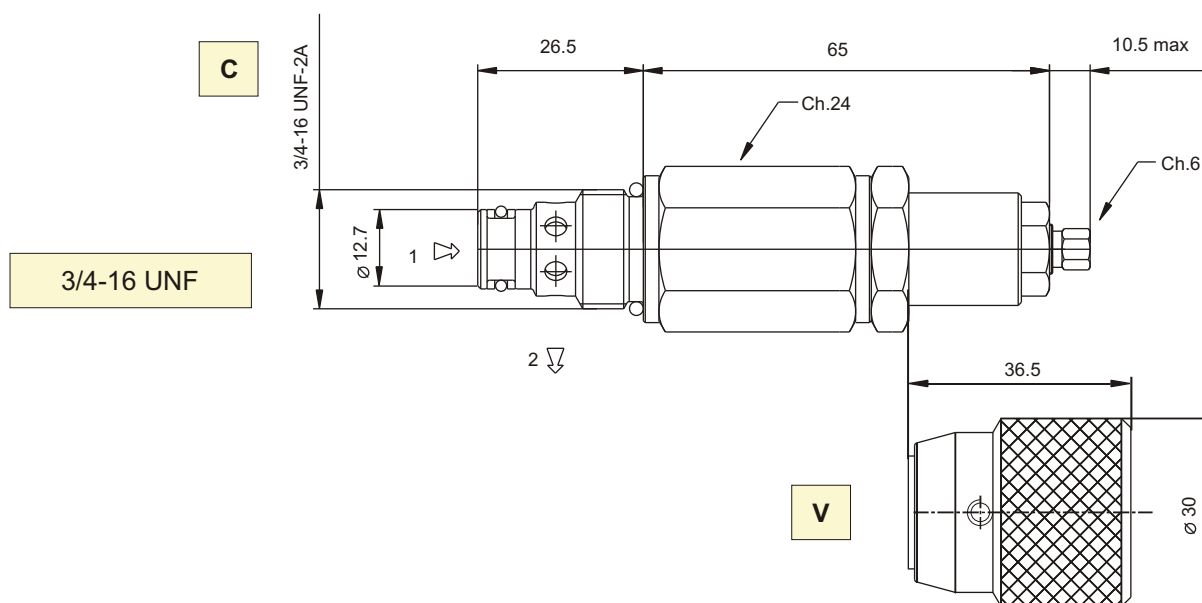
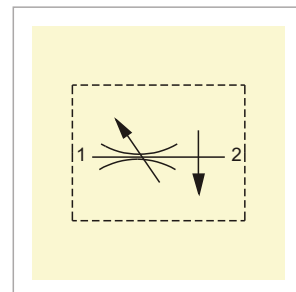
Regolazione  
 Adjustment

**3 Valves**



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

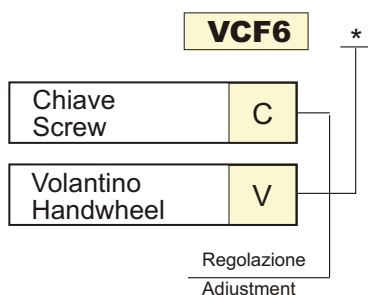
*VCF6 compensated flow control valves maintain the oil flow constant without effect by working pressure and load value*



**Caratteristiche tecniche**  
**Features**

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

Codice di ordinazione  
Ordering code



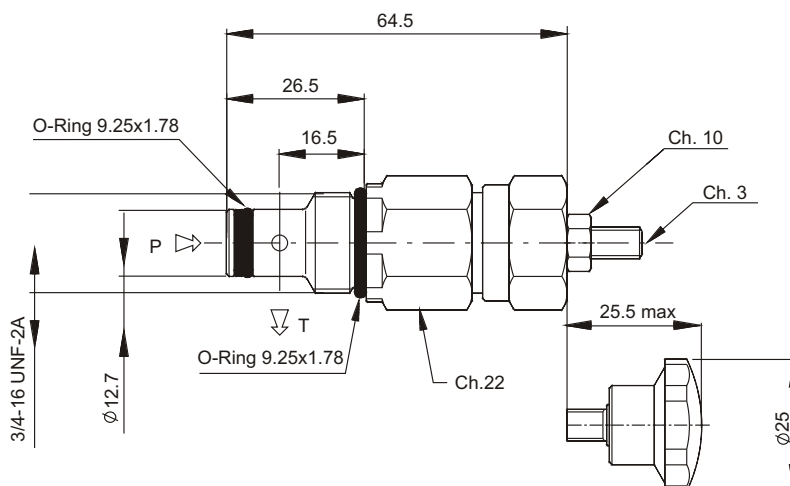
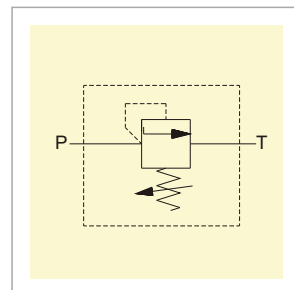
### 3 Valves



3/4-16 UNF

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

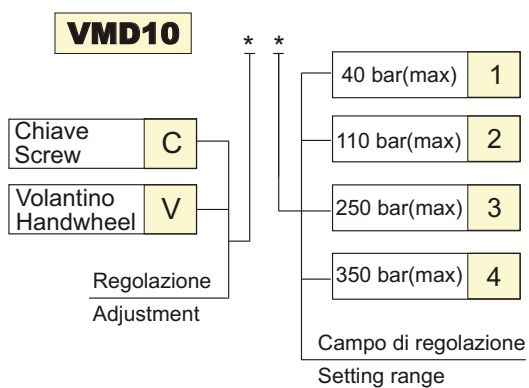
*The direct action VMD10 relief valves are used to limit the pressure inside the circuit*



## Caratteristiche tecniche

### Features

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

Codice di ordinazione  
*Ordering code*



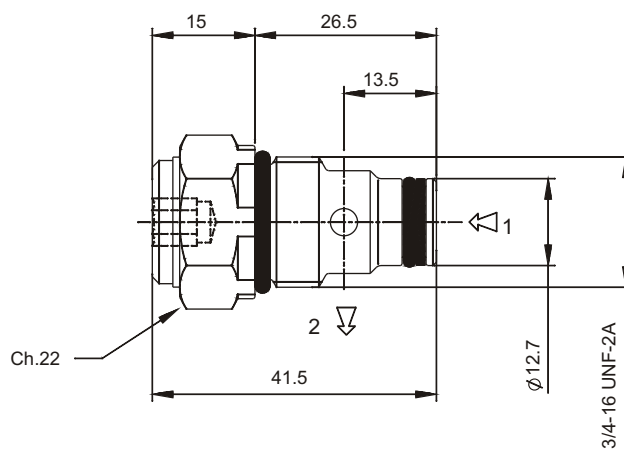
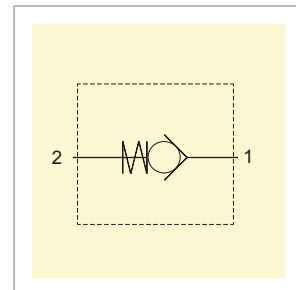
**3 Valves**



3/4-16 UNF

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

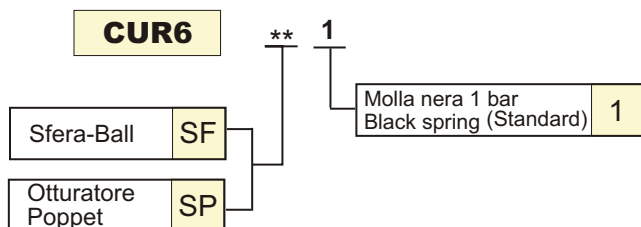
*CUR6 check valves allow oil passing through one way only and stop it on the opposite way*



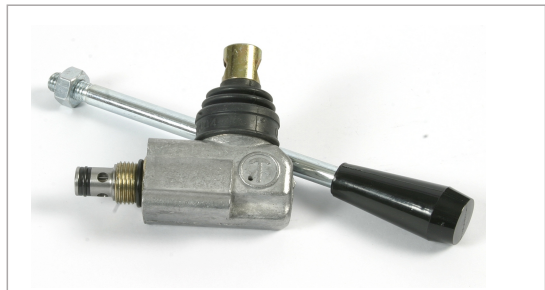
**Caratteristiche tecniche**  
**Features**

| Portata max<br>Max flow<br>l/min | Pressione max<br>Max pressure<br>bar | Peso<br>Weight<br>Kg |
|----------------------------------|--------------------------------------|----------------------|
| 25                               | 350                                  | 0,1                  |

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



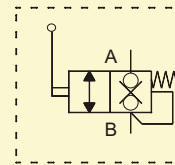
**3 Valves**



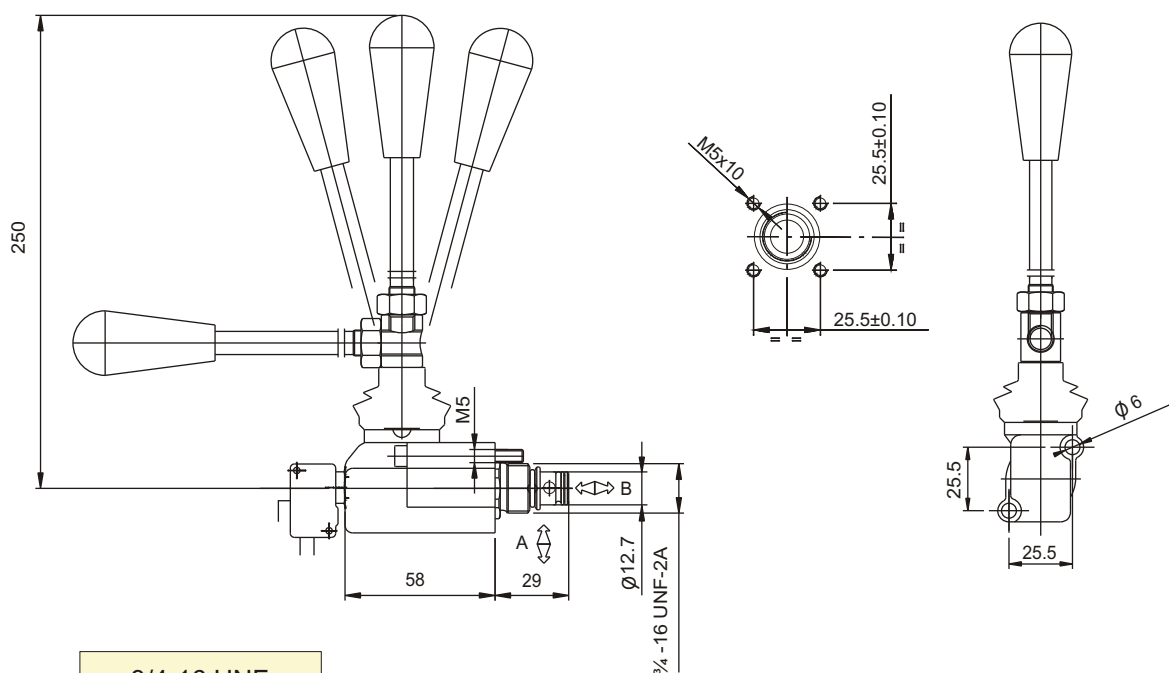
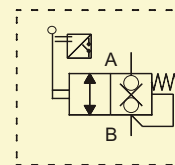
Le valvole bidirezionali a comando manuale CM6 sono valvole direzionali normalmente chiuse 2 vie/2 posizioni

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

0



M



3/4-16 UNF

**Caratteristiche tecniche**  
**Features**

| Portata max<br>Max flow<br>l/min | Pressione max<br>Max pressure<br>bar | Peso<br>Weight<br>Kg |
|----------------------------------|--------------------------------------|----------------------|
| 25                               | 320                                  | 0.7                  |

Codice di ordinazione  
Ordering code

**CM6**

\*

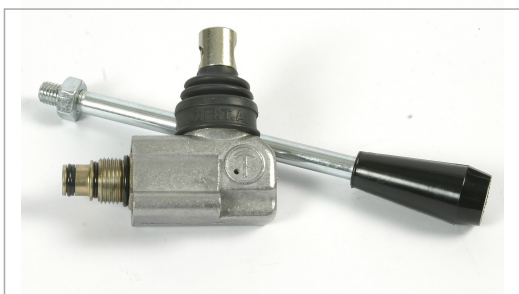
Senza micro  
Without micro-switch

0

Con micro  
With micro-switch

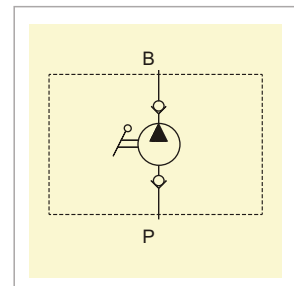
M

**3 Valves**

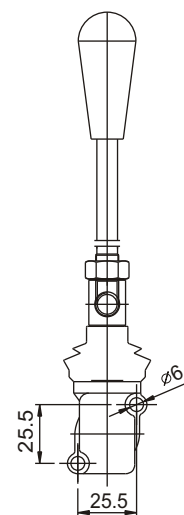
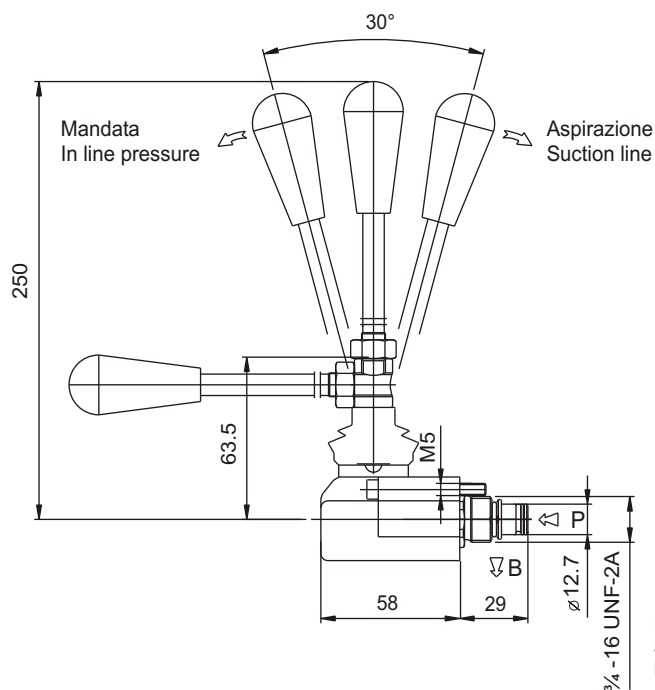


Le pompe a mano a cartuccia di norma vengono utilizzate come emergenza in piccoli impianti

*Cartridge hand pumps are generally used in small applications as emergency*



3/4-16 UNF



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

**Caratteristiche tecniche**  
**Features**

| Cilindrata<br>Displacement | Pressione max<br>Max pressure<br>bar | Peso<br>Weight<br>Kg |
|----------------------------|--------------------------------------|----------------------|
| 2 cm <sup>3</sup>          | 200                                  | 0.7                  |

Codice di ordinazione  
Ordering code

**PME6**

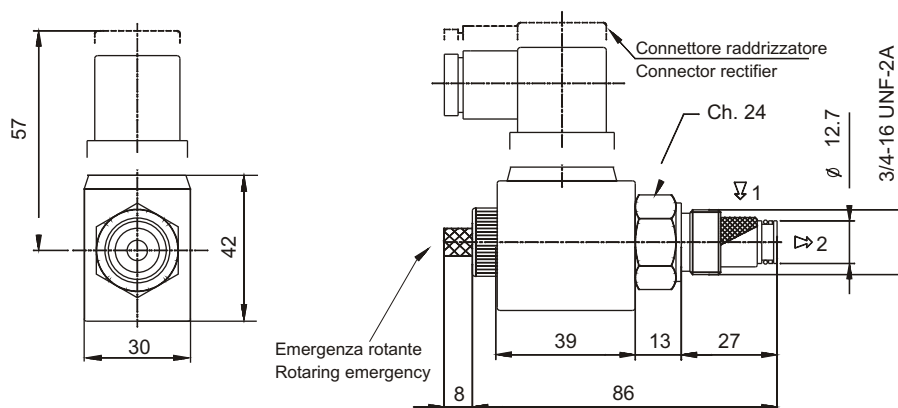
**3 Valves**



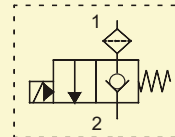
Le valvole elettriche EV6 sono valvole direzionali 2 vie/2 posizioni con otturatore conico ad azione pilotata

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

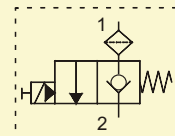
3/4-16 UNF



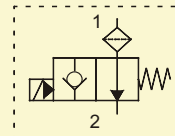
**EVC6**



**EVE6**



**EVA6**



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

|             |       |            |        |
|-------------|-------|------------|--------|
| ****        | ***** | 12 VDC     | 012DC  |
| <b>EVC6</b> |       | 24 VDC     | 024DC  |
| <b>EVE6</b> |       | 24V/50 Hz  | 02450  |
| <b>EVA6</b> |       | 110V/50 Hz | 11050  |
|             |       | 220V/50 Hz | 22050  |
|             |       | 24 RAC     | 024RAC |
|             |       | 110 RAC    | 110RAC |
|             |       | 220 RAC    | 220RAC |

**Caratteristiche tecniche**  
**Features**

|                                                           |          |
|-----------------------------------------------------------|----------|
| Pressione max<br>Max pressure                             | 210 bar  |
| Portata max<br>Max flow                                   | 22 l/min |
| Protezione<br>Protection                                  | IP 65    |
| Tolleranza di alimentazione<br>Feeding tolerance          | ± 10%    |
| Inserimento<br>Energizing time                            | ED 100%  |
| Classe di isolamento<br>Insulation class                  | H        |
| Potenza assorbita in C.A.<br>Absorbed power in A.C.       | 20 VA    |
| Potenza assorbita allo spunto<br>Absorbed power at pickup | 28 VA    |
| Potenza assorbita in C.C.<br>Absorbed power in D.C.       | 18 W     |
| Peso<br>Weight                                            | 0,25 Kg  |

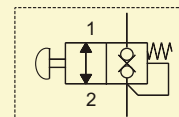


**3** Valves

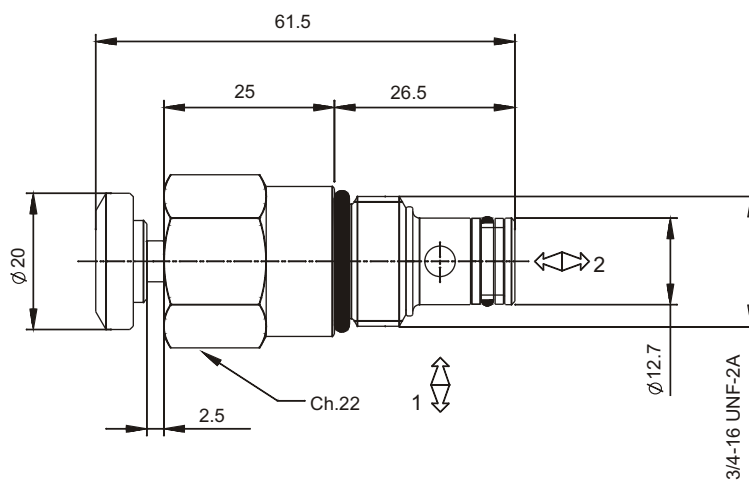


Le valvole VEM6 permettono un intervento manuale d'emergenza, sono valvole bidirezionali, normalmente chiuse

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



3/4-16 UNF



**Caratteristiche tecniche**  
**Features**

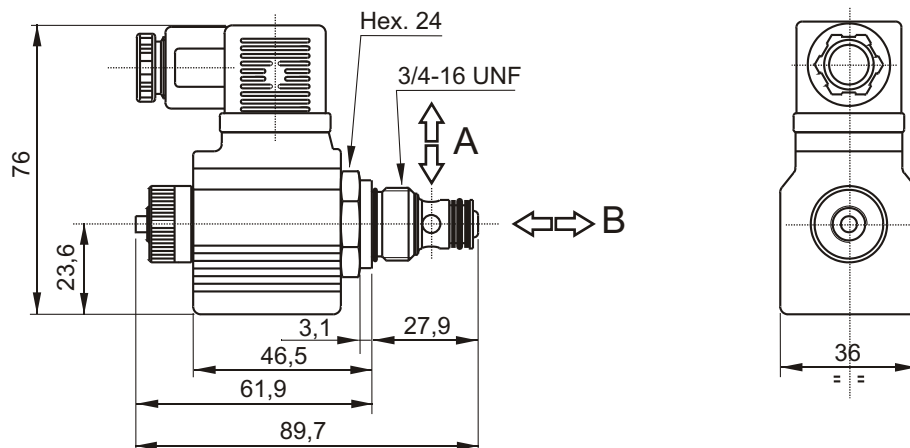
| Portata max<br>Max flow<br>l/min | Pressione max<br>Max pressure<br>bar | Peso<br>Weight<br>Kg |
|----------------------------------|--------------------------------------|----------------------|
| 25                               | 320                                  | 0.11                 |

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

**VEM6**

### 3 Valves

## ED6 - Direct operated two-way double locking solenoid valve



#### Ordering code

**ED6**

**Two-way double locking solenoid valve**

**C**

**Operation:**

C = normally closed  
A = normally open

**E**

**Options:**

E = emergency (std)

**00000**

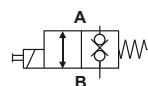
**Coil voltage:**

00000 = no coil (st)  
see below table

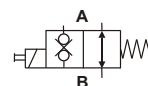
**0**

**Series**

**ED6C**



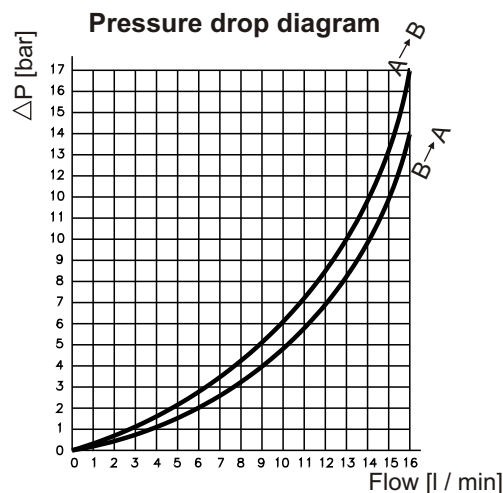
**ED6A**



|                                |                         |
|--------------------------------|-------------------------|
| <b>Max pressure</b>            | 210 bar                 |
| <b>Max flow</b>                | 15 l/min                |
| <b>Weight</b>                  | 0,35 Kg (with coil)     |
| <b>Coil thermal insulation</b> | Class F - VDE 0585      |
| <b>Electric connection</b>     | DIN 43650-A / ISO 4400  |
| <b>Coil protection degree</b>  | IP 65 / DIN 40050       |
| <b>Duty cycle</b>              | ED 100%                 |
| <b>Voltage required</b>        | +/- 10% nominal voltage |

| Coil voltage | Coil code | connector code | Power consumption |
|--------------|-----------|----------------|-------------------|
| 012DC        |           |                | 22W               |
| 024DC        |           |                | 22W               |
| 048DC        |           |                | 22W               |
| 110RC        |           |                | 22W               |
| 220RC        |           |                | 22W               |

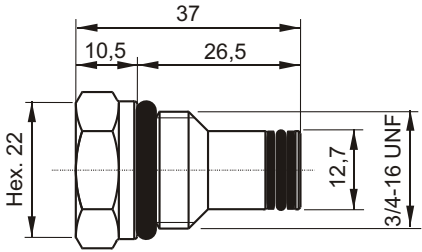
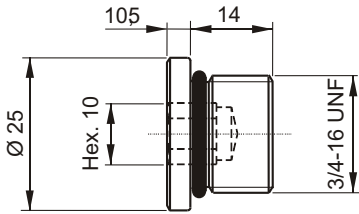
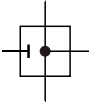
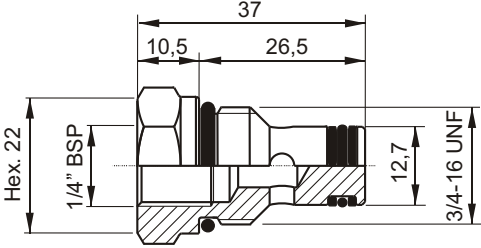
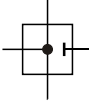
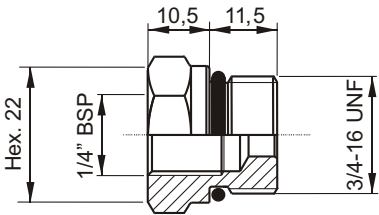
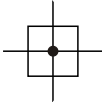
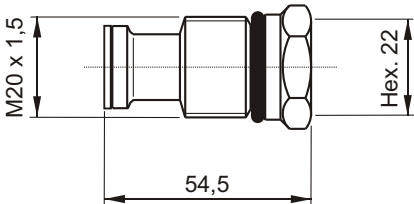
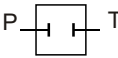
You can supply AC voltage to RC coils through proper rectifying bridge connectors (110AC/50Hz to 110RC coils and 220AC/50Hz to 220RC coils).  
Other voltages available on request.



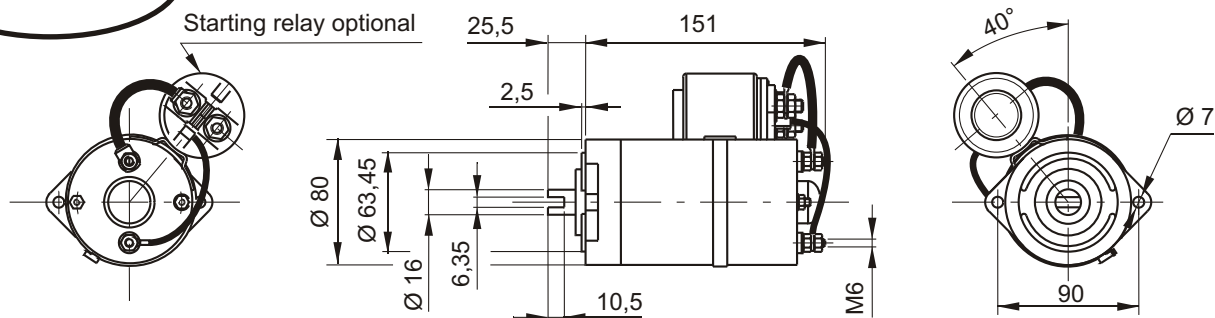
Note: Values measured on valve alone (no cavity). Pressure drop may change depending on fluid viscosity and temperature.

### 3 Valves

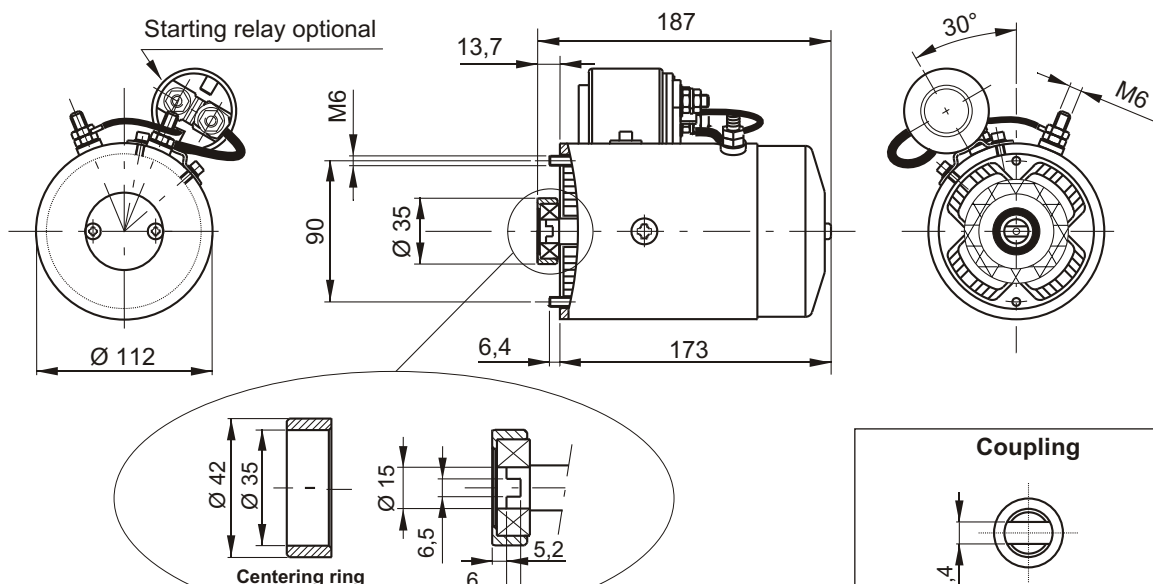
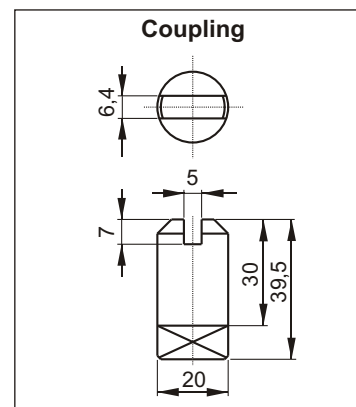
#### Plugs

|                                                                                                                                                                                                 |                                                                                     |                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Technical drawing of plug W showing dimensions: 37, 10,5, 26,5, Hex. 22, 12,7, 3/4-16 UNF.</p>             |    | <div data-bbox="1225 472 1329 528" style="border: 1px solid black; padding: 2px; text-align: center;">W</div> <div data-bbox="1177 595 1374 667" style="border: 1px solid black; padding: 2px;"> <b>Ordering code</b><br/>1120001         </div>     |
|  <p>Technical drawing of plug K showing dimensions: 105, 14, Ø 25, Hex. 10, 3/4-16 UNF.</p>                   |    | <div data-bbox="1225 808 1329 864" style="border: 1px solid black; padding: 2px; text-align: center;">K</div> <div data-bbox="1177 909 1374 981" style="border: 1px solid black; padding: 2px;"> <b>Ordering code</b><br/>1120002         </div>     |
|  <p>Technical drawing of plug J showing dimensions: 37, 10,5, 26,5, Hex. 22, 1/4" BSP, 12,7, 3/4-16 UNF.</p> |  | <div data-bbox="1225 1149 1329 1205" style="border: 1px solid black; padding: 2px; text-align: center;">J</div> <div data-bbox="1177 1249 1374 1321" style="border: 1px solid black; padding: 2px;"> <b>Ordering code</b><br/>1120003         </div> |
|  <p>Technical drawing of plug Z showing dimensions: 10,5, 11,5, Hex. 22, 1/4" BSP, 3/4-16 UNF.</p>           |  | <div data-bbox="1225 1485 1329 1541" style="border: 1px solid black; padding: 2px; text-align: center;">Z</div> <div data-bbox="1177 1597 1374 1668" style="border: 1px solid black; padding: 2px;"> <b>Ordering code</b><br/>1120004         </div> |
|  <p>Technical drawing of plug X showing dimensions: M20 x 1,5, 54,5, Hex. 22.</p>                            |  | <div data-bbox="1225 1821 1329 1877" style="border: 1px solid black; padding: 2px; text-align: center;">X</div> <div data-bbox="1177 1933 1374 2004" style="border: 1px solid black; padding: 2px;"> <b>Ordering code</b><br/>1120005         </div> |

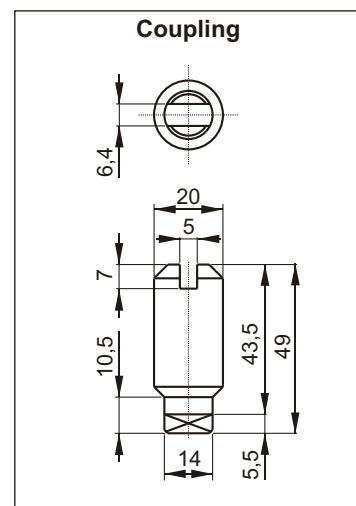
#### 4 D.C. Motor



| Description                 | Ordering code |
|-----------------------------|---------------|
| 800W 12 V DC                | 64500001      |
| 800W 24 V DC                | 64500002      |
| Starting relay 80A 12       | 64300036      |
| Starting relay 80A 24       | 64300037      |
| Coupling for Ø 80 DC motors | 64200007      |



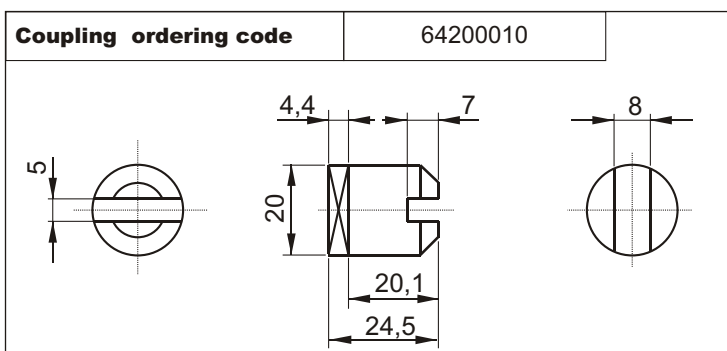
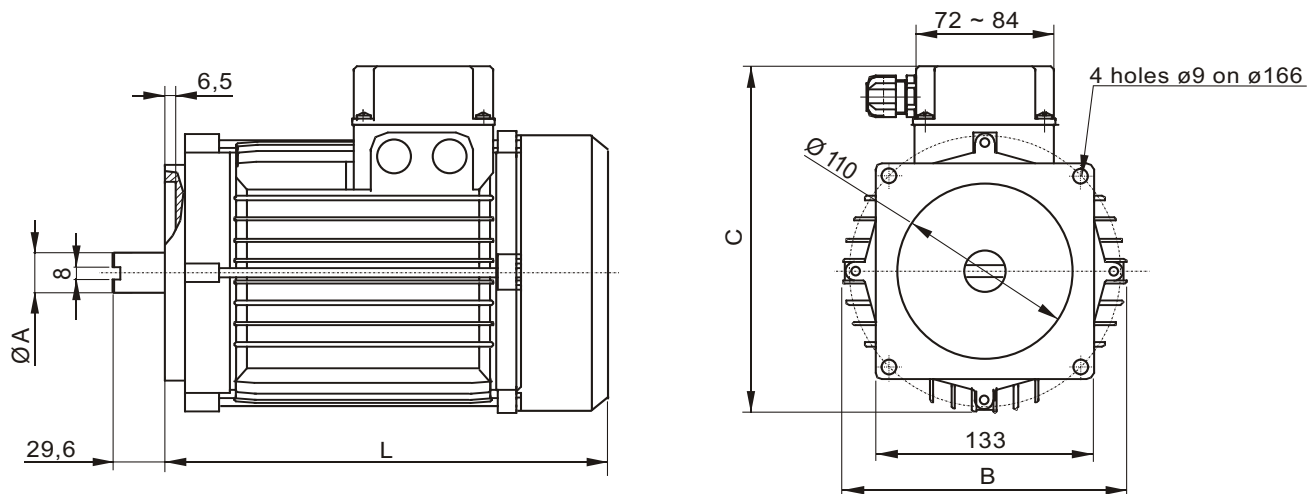
| Description                  | Ordering code |
|------------------------------|---------------|
| 1600W 12 V DC                | 64500003      |
| 2200W 24 V DC                | 64500004      |
| Starting relay 80A 12        | 64300036      |
| Starting relay 80A 24        | 64300037      |
| Coupling for Ø 112 DC motors | 64200005      |



## 5 A.C. Motor

**Integral motor:** the engineered solution for compact and optimised power units from 0,18 to 4 kW. The AC motor is directly flanged on the unit central manifold. A single coupling -see below- can suit all sizes and powers.

We suggest to adopt these advanced motors because of these peculiar advantages over standard B14 AC motors and because they are designed specifically for use on mini power packs, thus offering an higher power density.



### A selection of three phase - 4 poles

| MOTOR FRAME SIZE | kW    | HP   | Ø A | B   | C   | L   | Weight Kg |
|------------------|-------|------|-----|-----|-----|-----|-----------|
| 71               | 0,25  | 0,35 | 17  | 144 | 180 | 210 | 6,4       |
|                  | 0,35  | 0,5  | 17  | 144 | 180 | 210 | 8,5       |
|                  | 0,55  | 0,75 | 17  | 144 | 180 | 210 | 8,7       |
|                  | 0,75* | 1*   | 17  | 144 | 180 | 210 | 8,7       |
| 80               | 0,75  | 1    | 19  | 162 | 202 | 234 | 10        |
|                  | 1,1   | 1,5  | 19  | 162 | 202 | 234 | 11        |
|                  | 1,5   | 2    | 19  | 162 | 202 | 234 | 11        |
| 90               | 1,8   | 2,5  | 24  | 175 | 217 | 279 | 20        |
|                  | 2,2   | 3    | 24  | 175 | 217 | 279 | 20        |
|                  | 2,6*  | 3,5* | 24  | 175 | 217 | 279 | 20        |

| MOTOR FRAME SIZE | kW   | HP   | Ø A | B   | C   | L   | Weight Kg |
|------------------|------|------|-----|-----|-----|-----|-----------|
| 90               | 3*   | 4*   | 24  | 175 | 217 | 279 | 21        |
|                  | 3,3* | 4,5* | 24  | 175 | 217 | 279 | 21        |

### A selection of single phase - 4 poles

| MOTOR FRAME SIZE | kW   | HP   | Ø A | B   | C   | L   | Weight Kg |
|------------------|------|------|-----|-----|-----|-----|-----------|
| 71               | 0,18 | 0,25 | 17  | 144 | 180 | 210 | 6         |
|                  | 0,25 | 0,35 | 17  | 144 | 180 | 210 | 8         |
| 80               | 0,55 | 0,75 | 19  | 162 | 202 | 234 | 9         |
|                  | 0,75 | 1    | 19  | 162 | 202 | 234 | 10        |
| 90               | 1,1  | 1,5  | 24  | 175 | 217 | 279 | 18        |
|                  | 1,5  | 2    | 24  | 175 | 217 | 279 | 20        |

Above motors are a selection of the most used powers and types, normally available ex-stock. Other power/frame size pairs are available. Ask our technical office: we will offer optimized solutions for either intermittent or heavy duty applications.

Note\*: motors for intermittent duty.

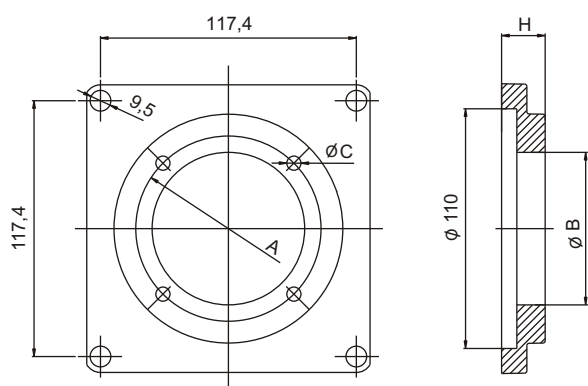
Above drawing is for three phase motors, single phase motors electric box has different shape (since includes capacitors).



## 6 A.C mounting kit

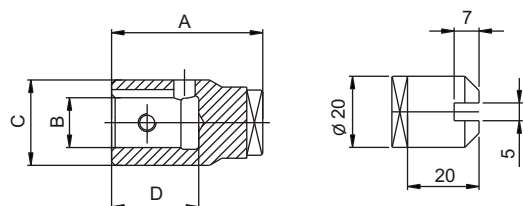
### Mounting kit for frame A.C. Motors

Adaptor flange

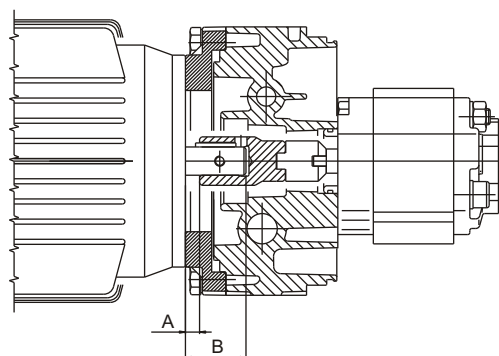


|            | A   | B   | C   | H  |
|------------|-----|-----|-----|----|
| 71         | 85  | 70  | 6,5 | 20 |
| 70         | 100 | 80  | 6,5 | 22 |
| 90         | 115 | 95  | 8,5 | 32 |
| 100<br>112 | 130 | 110 | 9   | 58 |

Coupling



|            | A    | B  | C  | D    |
|------------|------|----|----|------|
| 71         | 42,5 | 14 | 24 | 31,5 |
| 70         | 41,5 | 19 | 30 | 31,5 |
| 90         | 50   | 24 | 38 | 40   |
| 100<br>112 | 66   | 28 | 40 | 40   |



|            | A  | B  |
|------------|----|----|
| 71         | 8  | 30 |
| 70         | 11 | 40 |
| 90         | 12 | 50 |
| 100<br>112 | 22 | 60 |

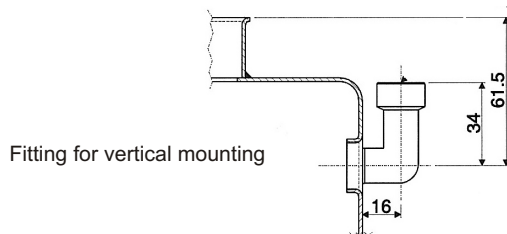
Please respect positioning measures while assembling

|                                    | Ordering code |
|------------------------------------|---------------|
| Mounting kit for frame 71 B14      | 64200001      |
| Mounting kit for frame 80 B14      | 64200002      |
| Mounting kit for frame 90 B14      | 64200003      |
| Mounting kit for frame 110/112 B14 | 64200004      |

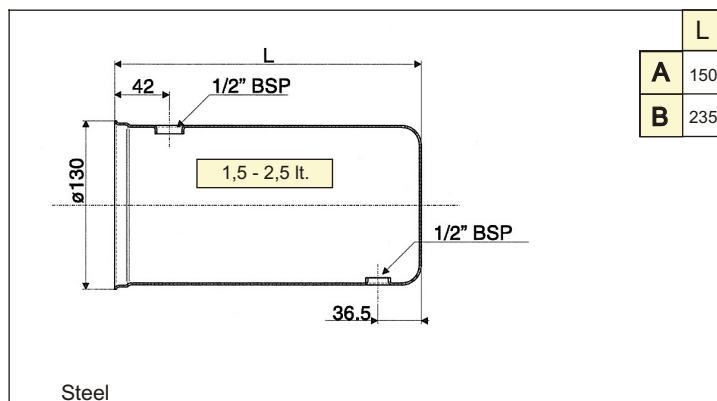
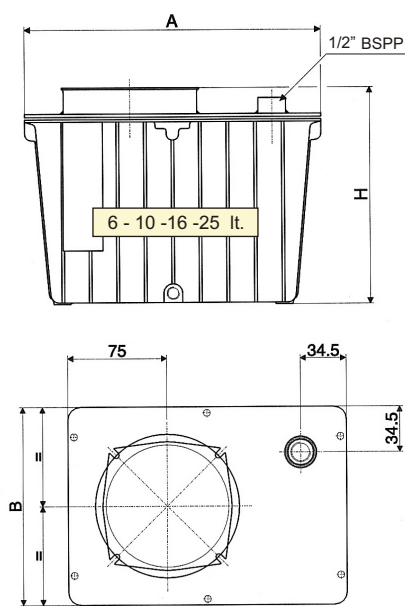
## 7 Tank kit

| Nominal capacity |                  | Shape       | Ordering code |
|------------------|------------------|-------------|---------------|
| <b>A</b>         | 1.5 litri/liters | cylindrical | 64100008      |
| <b>B</b>         | 2.5 litri/liters | cylindrical | 64100002      |
| <b>C</b>         | 5 litri/liters   | cylindrical | 64100003      |
| <b>D</b>         | 8 litri/liters   | cylindrical | 64100004      |
| <b>E</b>         | 10 litri/liters  | cylindrical | 64100005      |
| <b>F</b>         | 12 litri/liters  | cylindrical | 64100006      |
| <b>G</b>         | 6 litri/liters   | square      | 64100009      |
| <b>H</b>         | 10 litri/liters  | square      | 64100010      |
| <b>L</b>         | 16 litri/liters  | square      | 64100011      |
| <b>M</b>         | 25 litri/liters  | square      | 64100012      |
| <b>P</b>         | 8 litri/liters   | square      | 64100013      |
| <b>Q</b>         | 15 litri/liters  | square      | 64100014      |
| <b>R</b>         | 20 litri/liters  | square      | 64100015      |

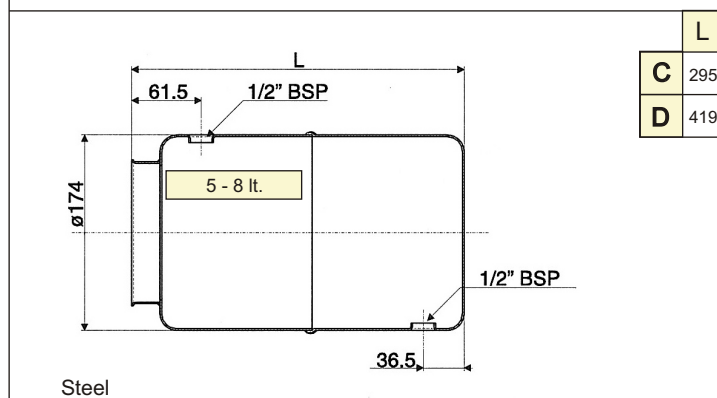
Ordering code 64100007



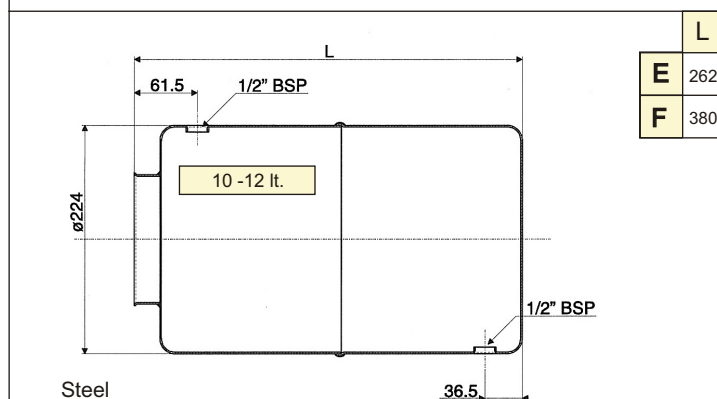
|          | A   | B   | H   |
|----------|-----|-----|-----|
| <b>G</b> | 280 | 200 | 206 |
| <b>H</b> | 340 | 247 | 250 |
| <b>L</b> | 368 | 290 | 275 |
| <b>M</b> | 490 | 340 | 315 |



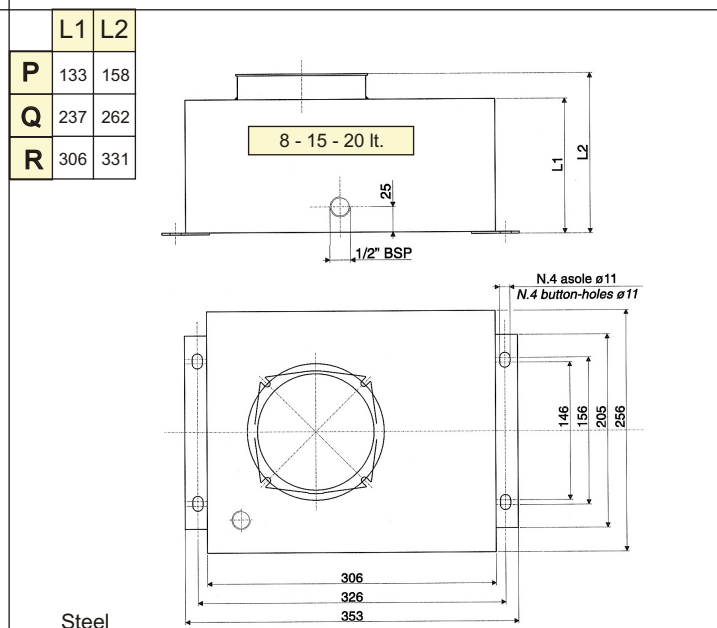
|          | L   |
|----------|-----|
| <b>A</b> | 150 |
| <b>B</b> | 235 |



|          | L   |
|----------|-----|
| <b>C</b> | 295 |
| <b>D</b> | 419 |



|          | L   |
|----------|-----|
| <b>E</b> | 262 |
| <b>F</b> | 380 |



|          | L1  | L2  |
|----------|-----|-----|
| <b>P</b> | 133 | 158 |
| <b>Q</b> | 237 | 262 |
| <b>R</b> | 306 | 331 |

## 8 Suction return kit

### Suction/return kit symbology

SUCTION/RETURN KIT CONSISTS OF TUBES AND FILTER INSIDE THE TANK  
TANK IS NOT INCLUDED. NOMINAL TANK CAPACITY ON  
TAB. HEADING IS APPROXIMATE



REFERENCE TO FIXING SURFACE



LEVEL GROUND REFERENCE



NOMINAL PUMP DISPLACEMENT ..... cc/rev



PRIMARY RETURN TUBE  
(MANUALLY OR ELECTRICALLY OPERATED)



INTERNAL TANK DIMENSION (APPROXIMATE)



SUCTION FILTER FLOW .... LITERS/MIN.



SUCTION TUBE

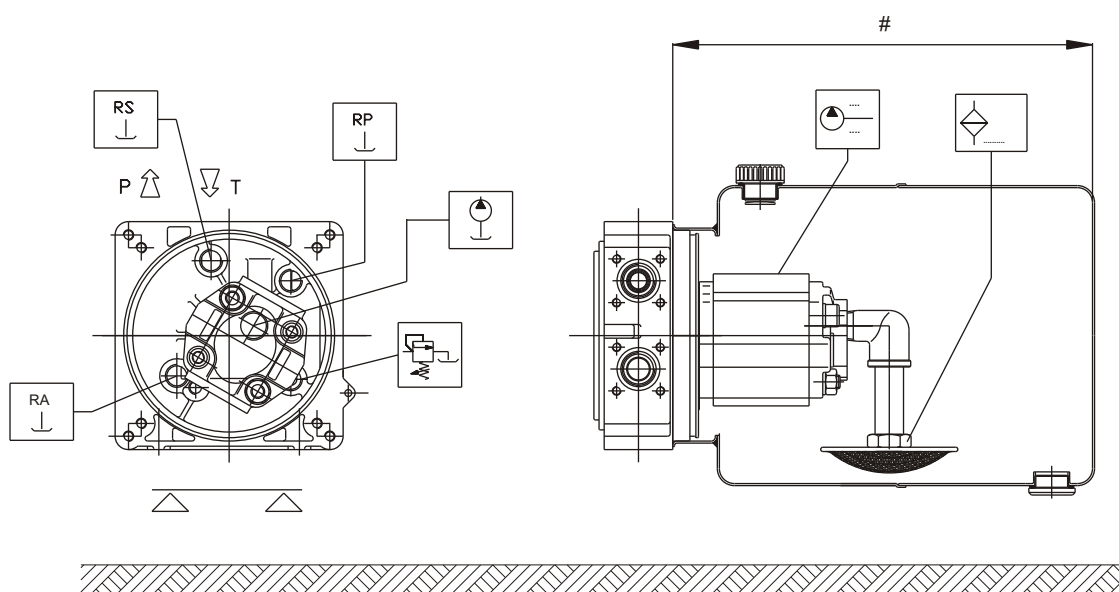


SECONDARY RETURN TUBE  
(EXTERNAL CONTROL)



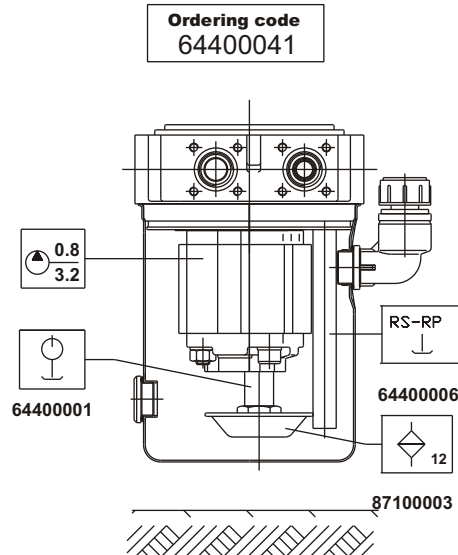
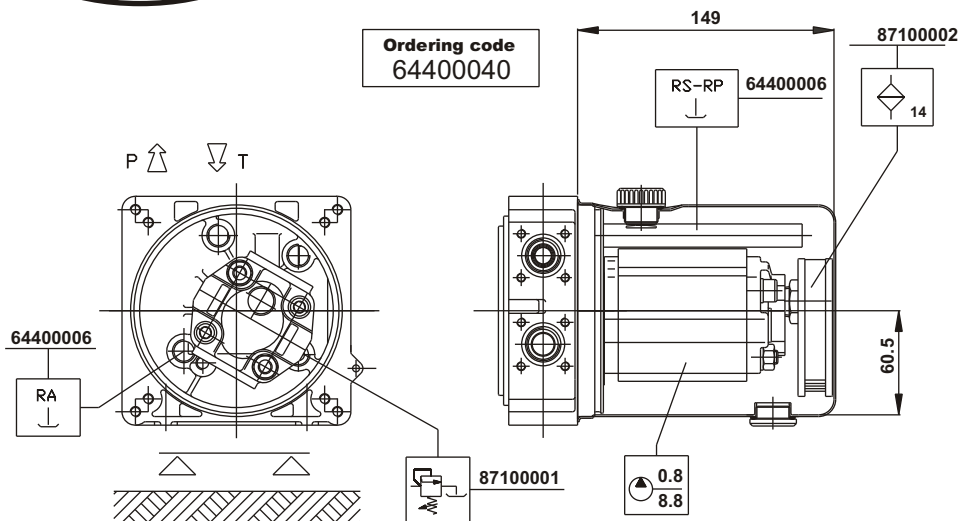
AUXILIARY RETURN TUBE AND  
HAND PUMP SUCTION 1/4 BSPP

FLANGE/PUMP GROUP :  
INDICATION OF RETURN AND SUCTION  
TUBES CONNECTION



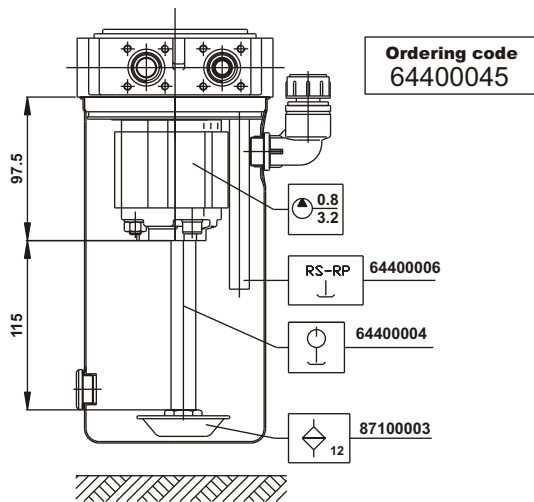
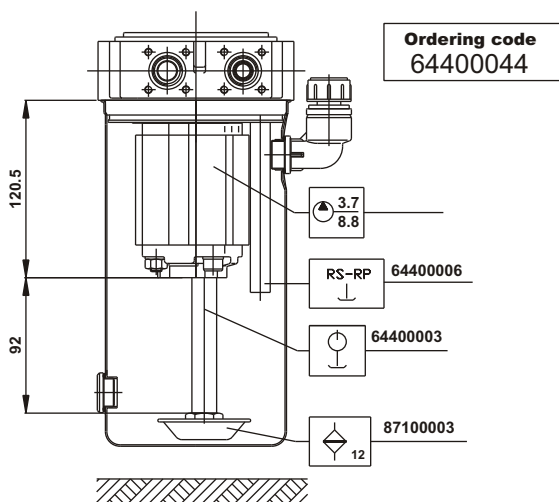
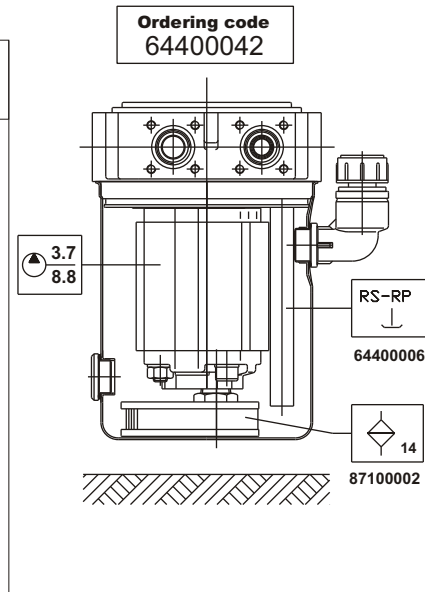
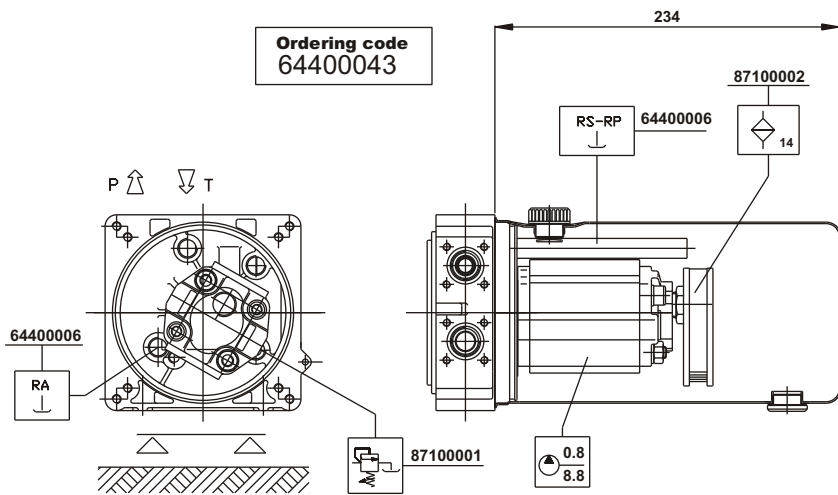
**Suction  
return kit**

### Suction/return kit for It 1.5 tank



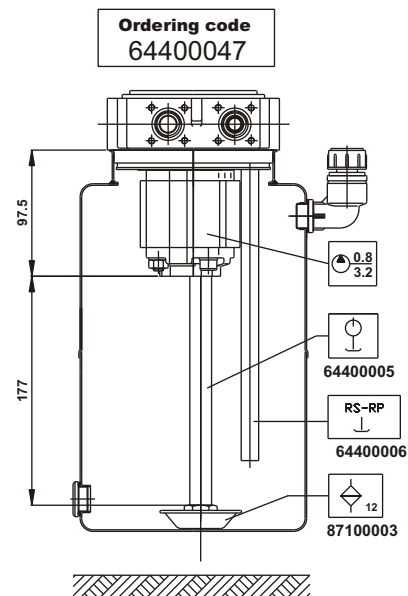
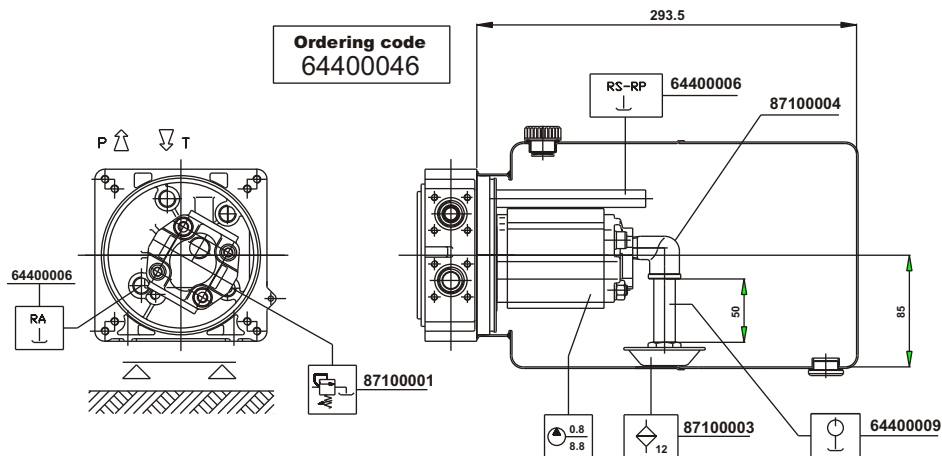
## Suction return kit

### Suction/return kit for lt 2.5 tank



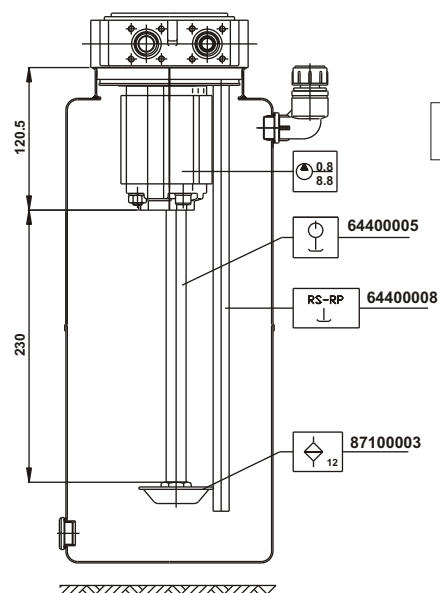
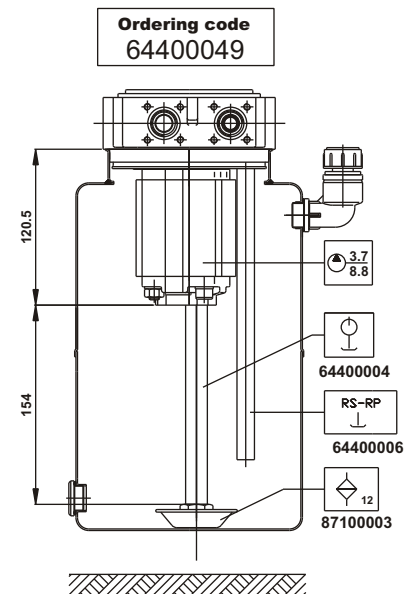
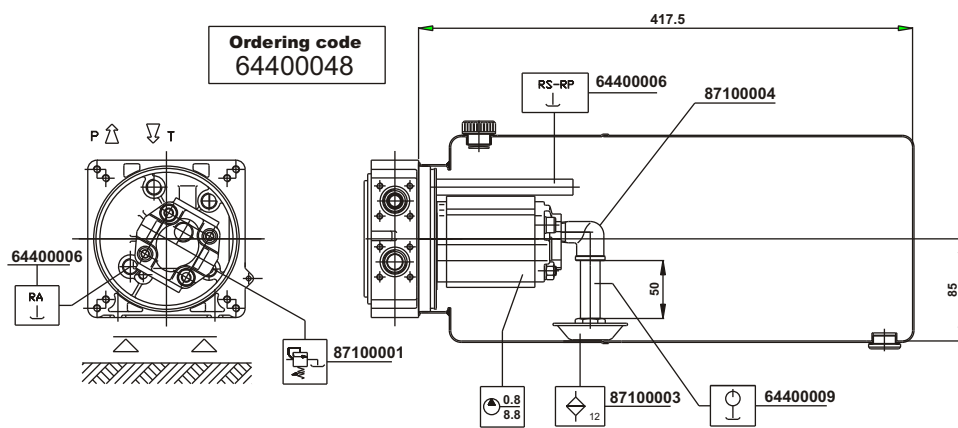
## 8 Suction return kit

### Suction/return kit for lt 5 tank



## 8 Suction return kit

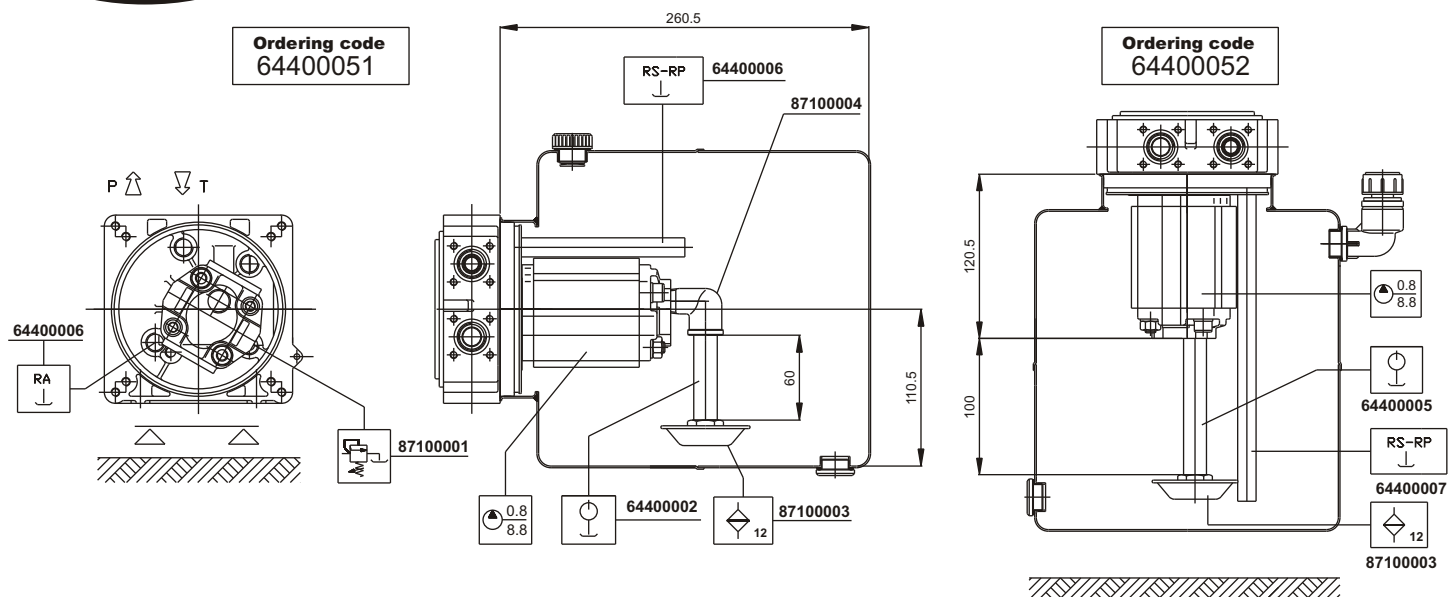
### Suction/return kit for lt 8 tank





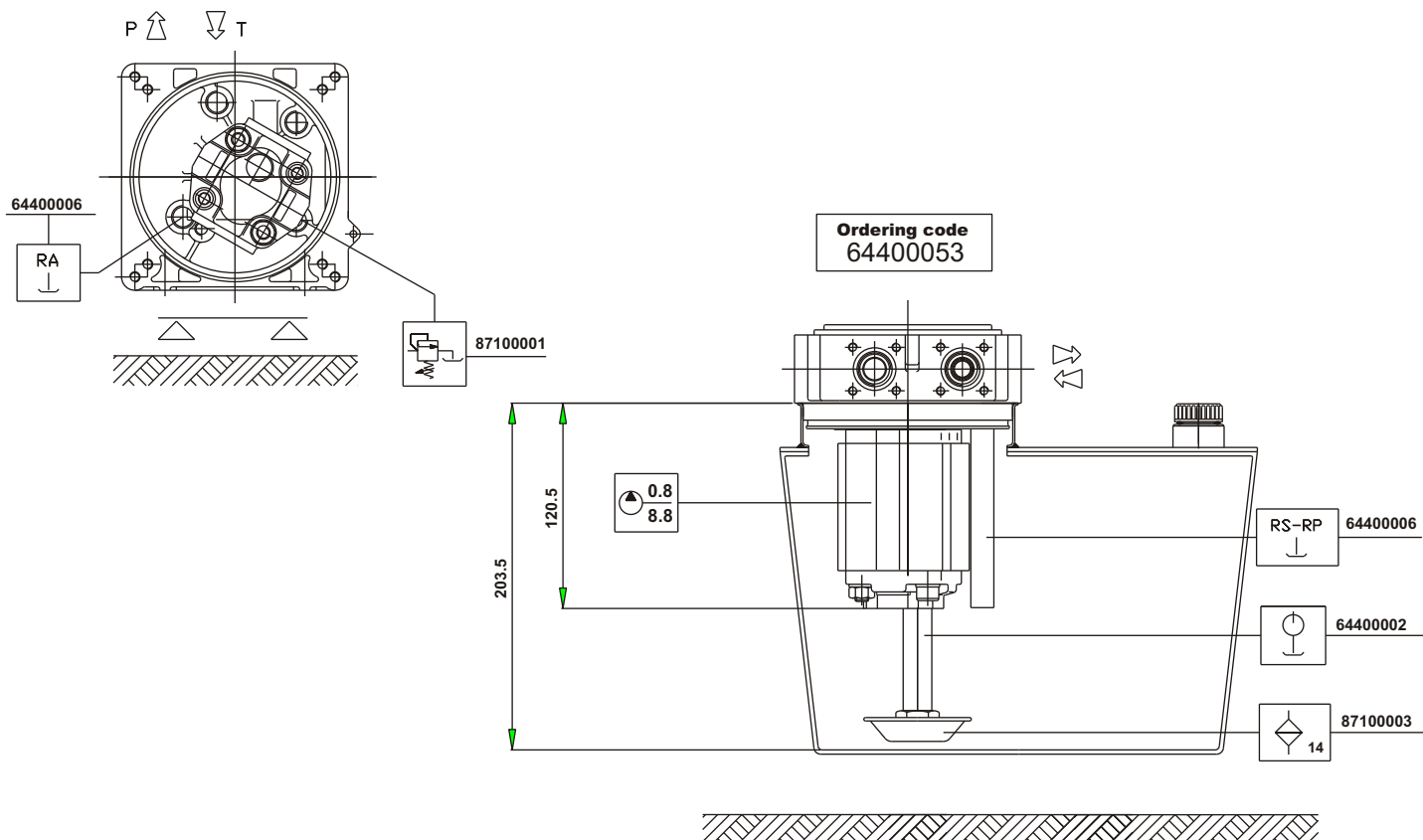
## 8 Suction return kit

### Suction/return kit for lt 10 tank



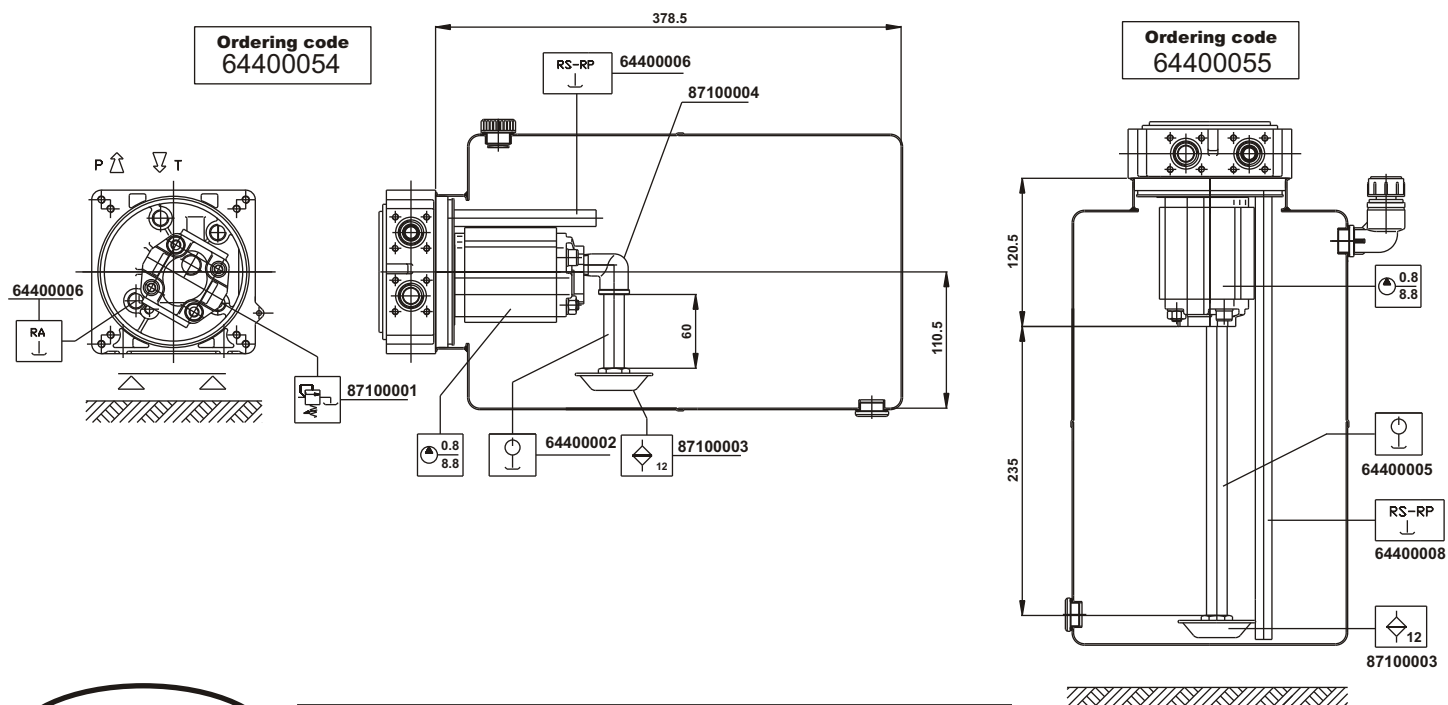
## 8 Suction return kit

### Suction/return kit for lt 6 square aluminium tank



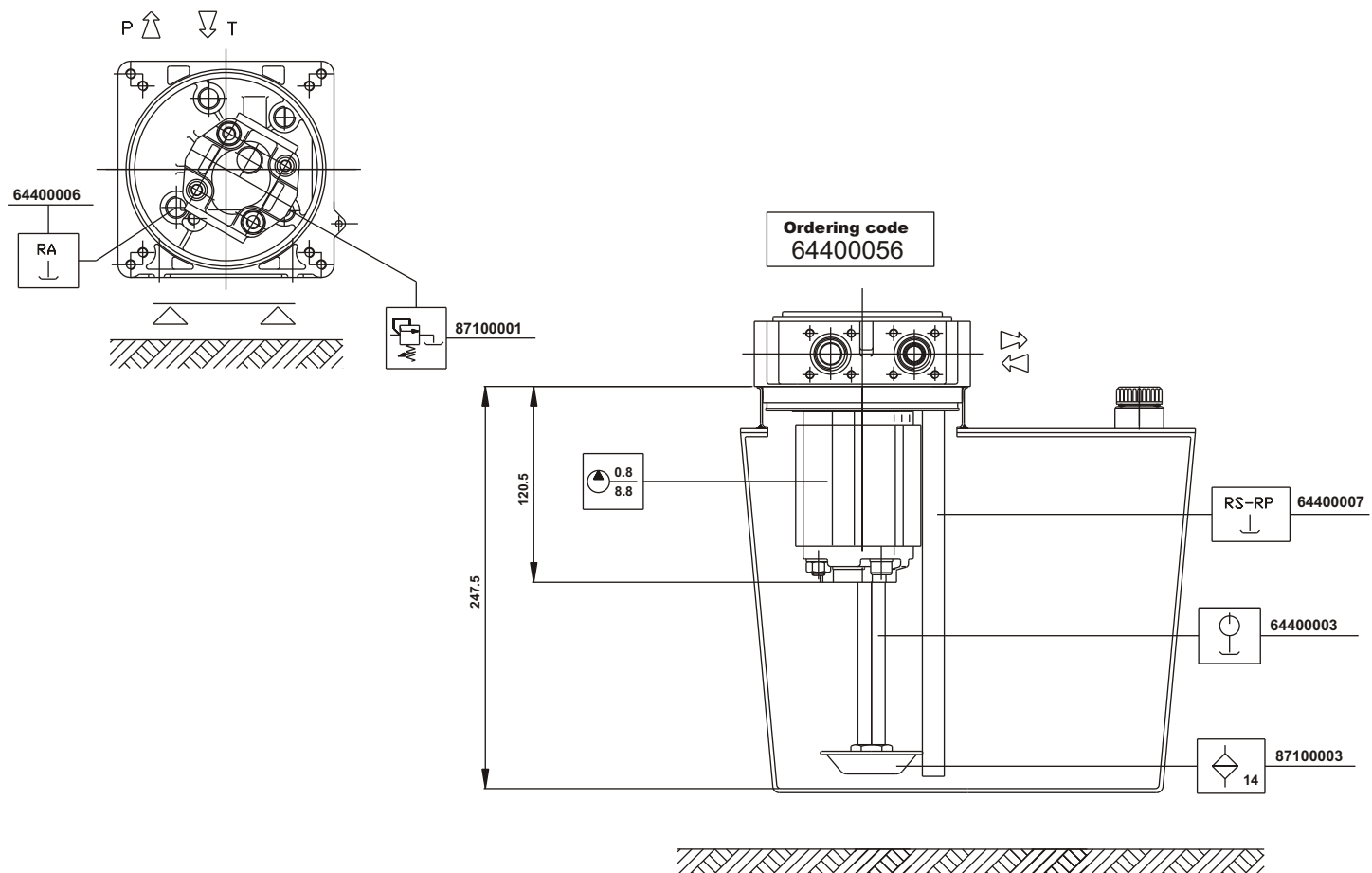
## 8 Suction return kit

### Suction/return kit for It 12 tank



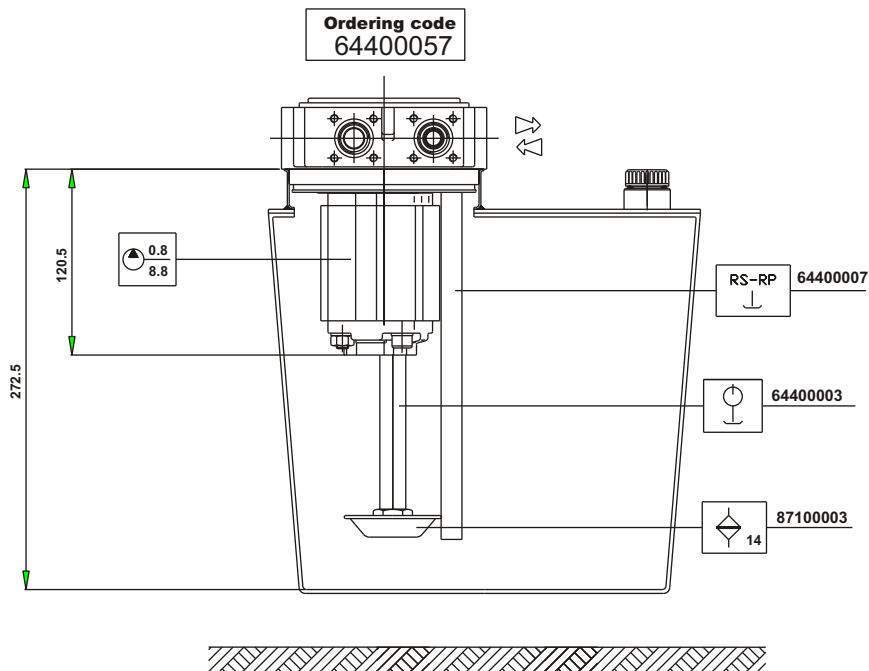
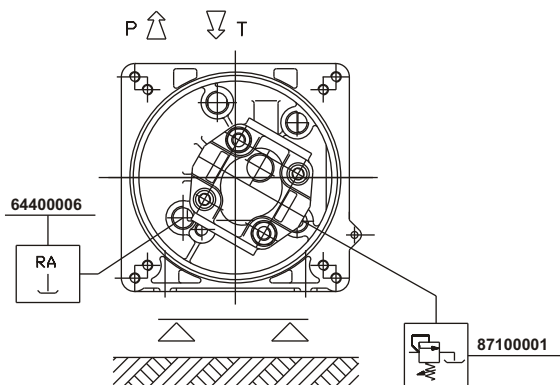
## 8 Suction return kit

### Suction/return kit for It 10 square aluminium tank



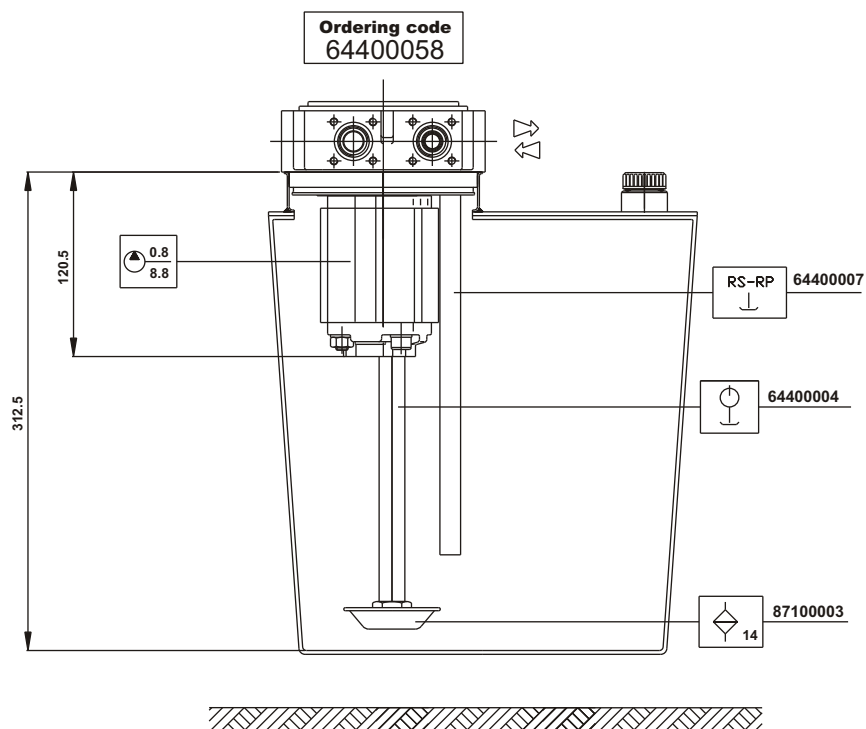
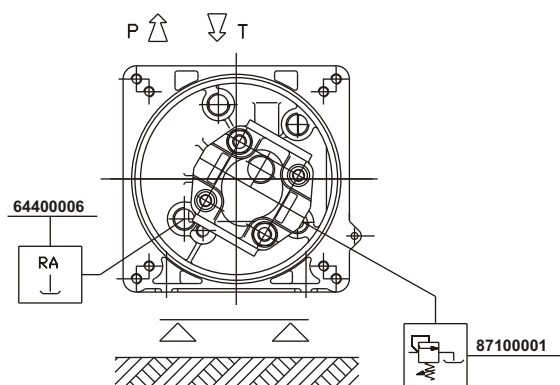
# 8 Suction return kit

## Suction/return kit for lt 16 square aluminium tank



# 8 Suction return kit

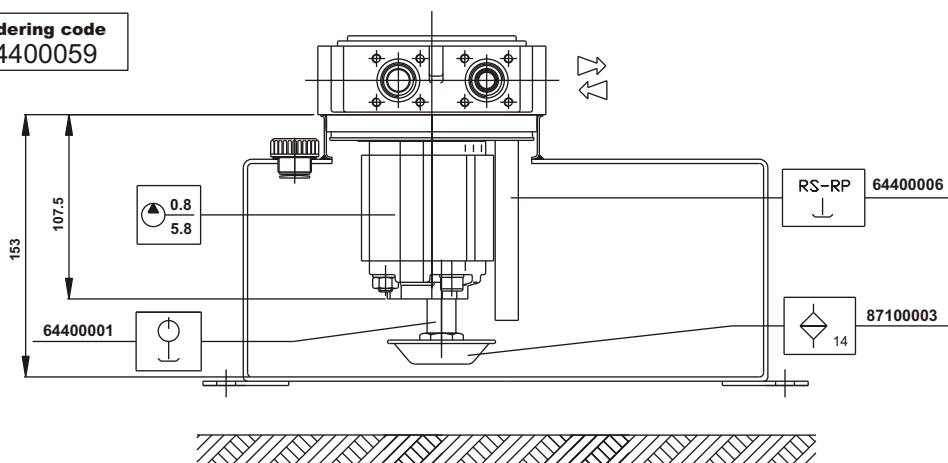
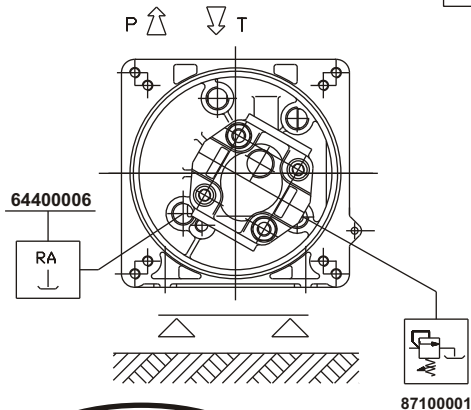
## Suction/return kit for lt 25 square aluminium tank



## 8 Suction return kit

### Suction/return kit for It 8 square tank

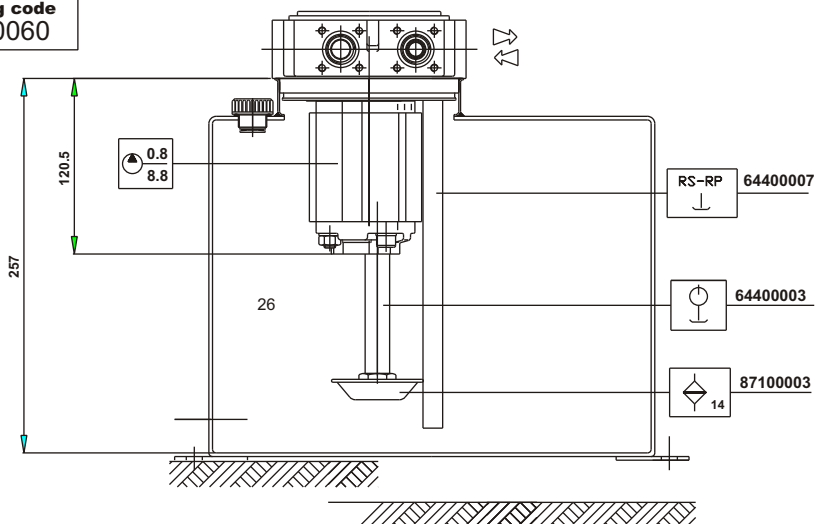
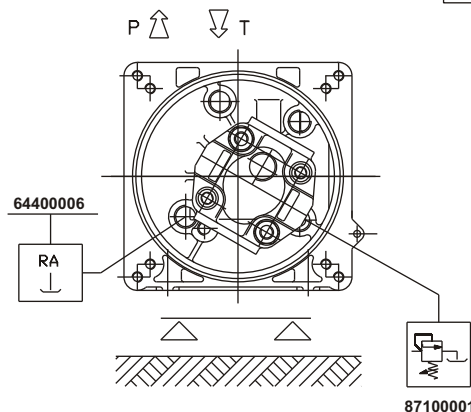
Ordering code  
64400059



## 8 Suction return kit

### Suction/return kit for It 15 square tank

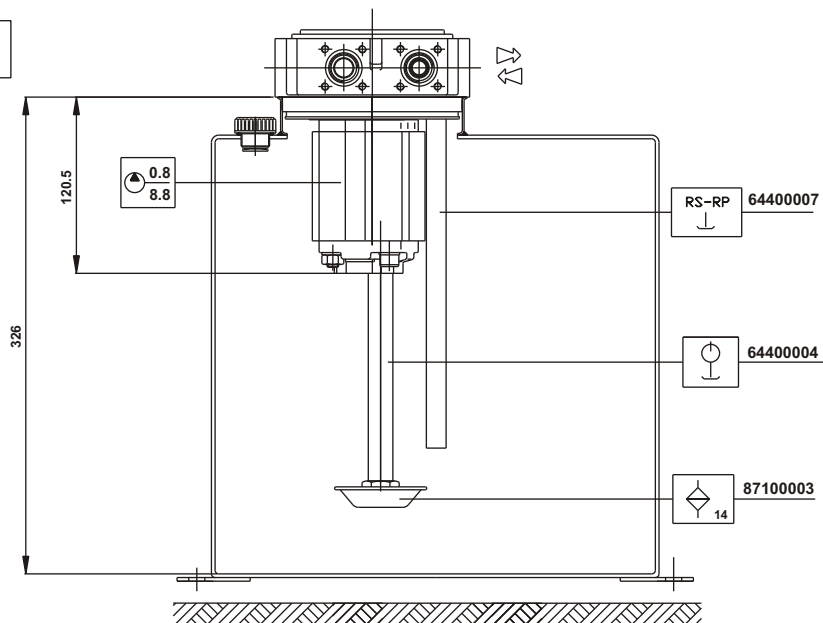
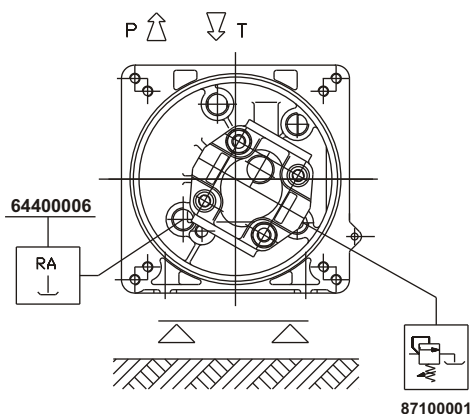
Ordering code  
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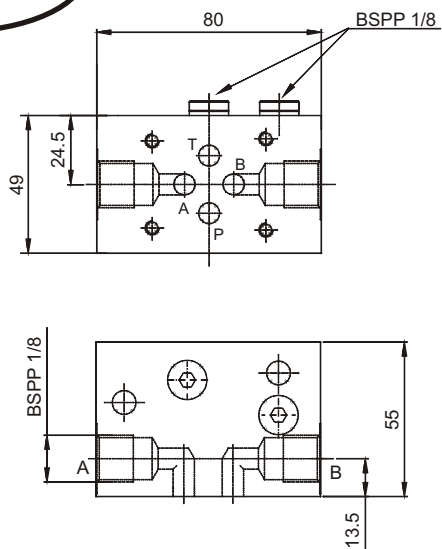
## 8 Suction return kit

### Suction/return kit for It 20 square tank

Ordering code  
64400061



## 9 Cetop3 manifolds



**Ordering code**

### MPL3380

Parallel manifold - lateral ports

### MSL3380

Series manifold - lateral ports

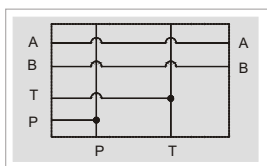
### MPP3380

Parallel manifold - rear ports

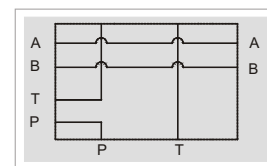
### MSP3380

Series manifold - rear ports

Schema blocco connessioni in parallelo  
Parallel ports manifold circuit

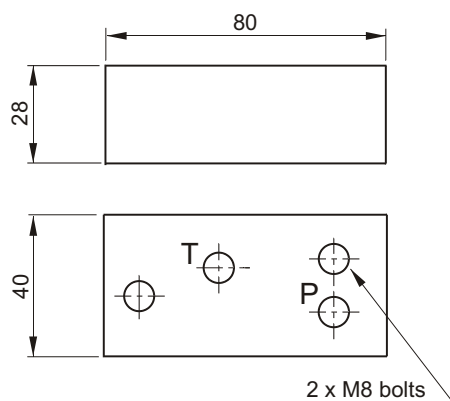


Schema blocco connessioni in serie  
Series ports manifold circuit

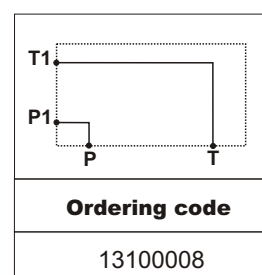
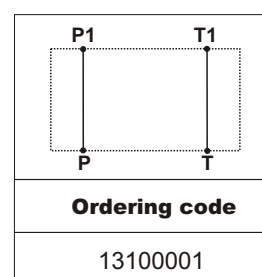
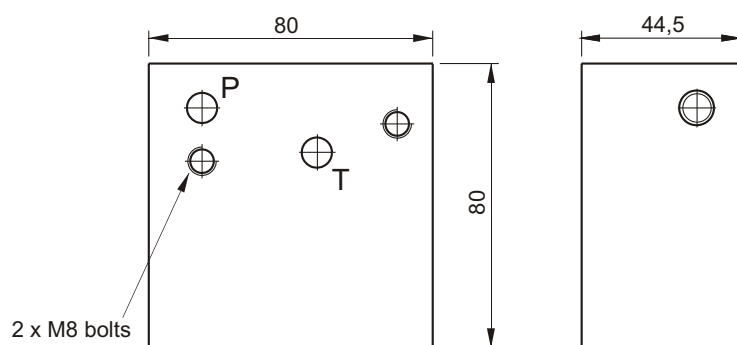


## Other modular manifolds

### Spacing element

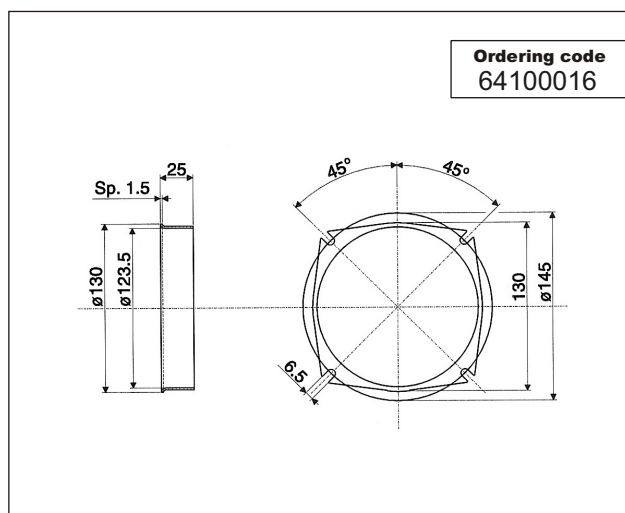


### 90° rotation manifold



**10** Accessories

**Adapter**



**Steel bracket**

