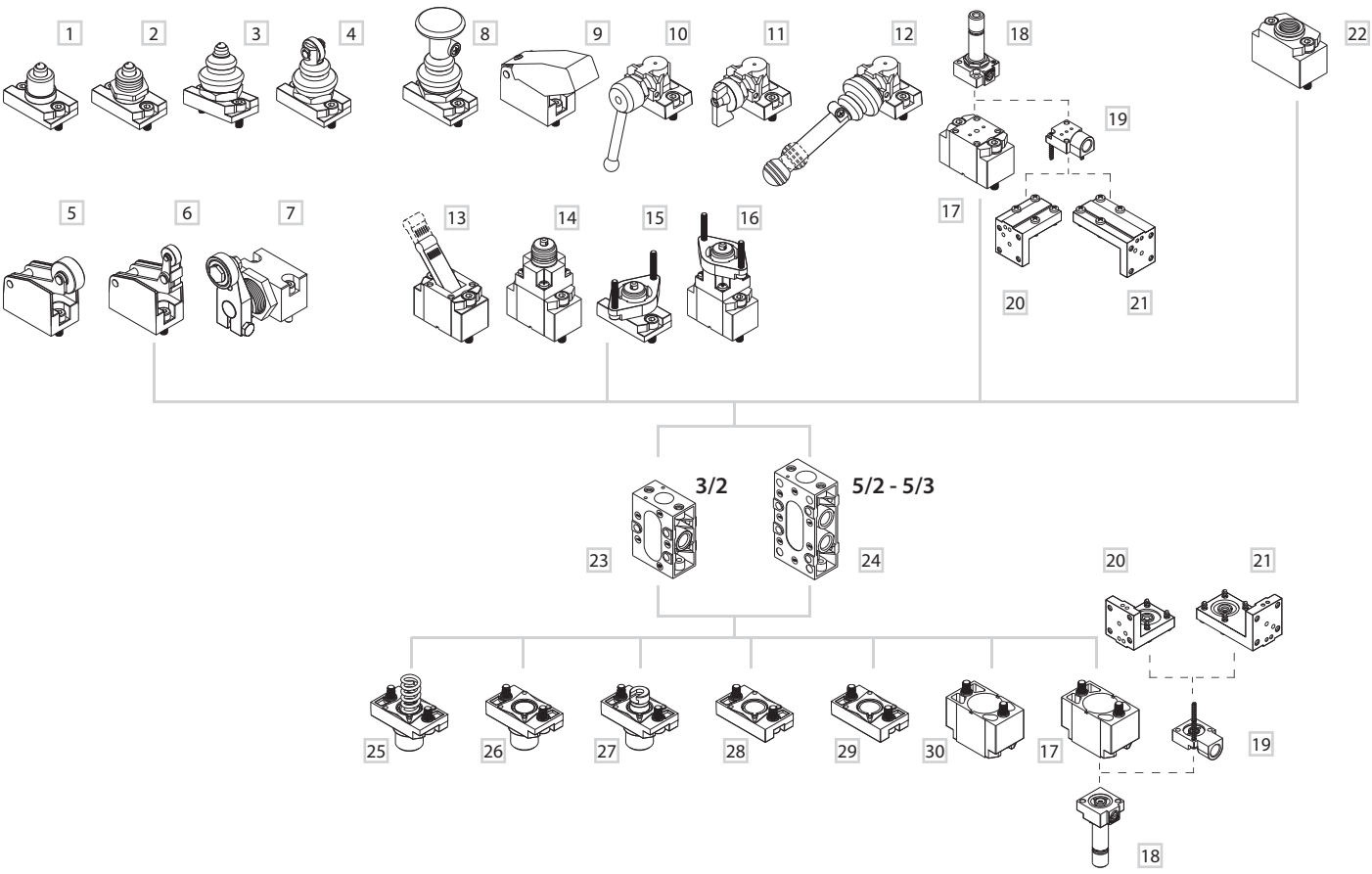
## CARATTERISTICHE

| | | |
|---|---|---|
| **Temperatura ambiente** | -10 ÷ +45 °C | |
| **Fluido** | aria filtrata 50 µm, con o senza lubrificazione | |
| **Sistema di commutazione** | spola | |
| **Pressione Max** | 10 bar | |
| **Connessioni** | **G1/8** | **G1/4** |
| **Diametro nominale (mm)** | 6,5 | 8,5 |
| **Portata nominale (Nl/min)** | 890 | 1480 |
| **Corpo valvola** | zama pressofusa (G1/8), alluminio (G1/4) | |
| **Guarnizioni** | NBR | |
| **Spola** | alluminio | |
| **Elettropilota/Bobina** | serie AA/U1-U3 | |
| **Assorbimento** | 3,5 W (DC) - 5 VA (AC) | |
| **Connettore** | AM 5110 | |
| **Tensione** | 12 V DC - 24 V DC - 24 V AC - 110 V AC - 230 V AC | |
| **Comando manuale** | a impulso a vite 2 posizioni | |

**NOTA: per alcune versioni sono disponibili su richiesta guarnizioni per alta temperatura (per informazioni rivolgersi al nostro Ufficio Commerciale)**

## Modularità sistema UNIVERSAL




**COMANDO MECCANICO**
- 1 Puntale a sfera
- 2 Puntale a sfera con montaggio a vite su quadro
- 3 Puntale a sfera con protezione antipolvere
- 4 Puntale a rullo con protezione antipolvere
- 5 Leva rullo
- 6 Leva rullo unidirezionale
- 7 Leva a rullo laterale bidirezionale

**COMANDO MANUALE**
- 8 Tiretto
- 9 Tasto
- 10 Leva rotante
- 11 Selettore
- 12 Leva a 90° corta/lunga
- 13 Leva corta/lunga
- 14 Azionamento indiretto filettato
- 15 Azionamento diretto da quadro
- 16 Azionamento indiretto da quadro

**COMANDO ELETTRICO**
- 17 Elettrico amplificato
- 18 Elettropilota U1
- 19 Piastrina per servoalimentazione esterna
- 20 Squadretta variante solenoide "H"
- 21 Squadretta variante solenoide "P"

**COMANDO PNEUMATICO**
- 22 Pneumatico amplificato

**CORPO**
- 23 Corpo 3/2
- 24 Corpo 5/2

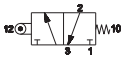
**RITORNO**
- 25 Molla meccanica
- 26 Pneumatico non amplificato
- 27 Fondello 2/3 posizioni
- 28 Fondello
- 29 Molla pneumatica
- 30 Pneumatico amplificato

**Per tipologia e versioni, consultare catalogo ATEX**

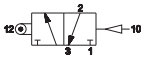
## Valvole ad azionamento meccanico diretto **G1/8**

### Leva rullo

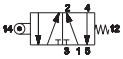
**CL-100A**



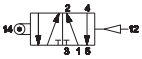
**CL-100P**



**CM-400A**

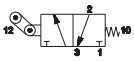


**CM-400P**

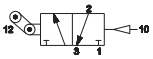


### Leva rullo unidirezionale

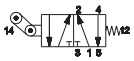
**CL-101A**



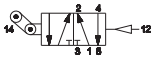
**CL-101P**



**CM-401A**

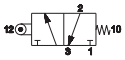


**CM-401P**

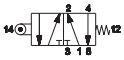


### Leva rullo laterale bidirezionale

**CL-106A**

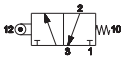


**CM-406A**

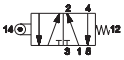


### Leva rullo laterale bidirezionale regolabile

**CL-106AL**

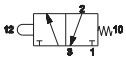


**CM-406AL**

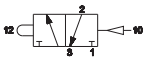


### Puntale a sfera

**CL-102A**

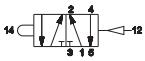


**CL-102P**



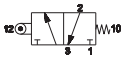
**CM-402A**

**CM-402P**

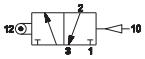


### Puntale a rullo con protezione antipolvere

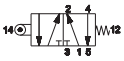
**CL-105A**



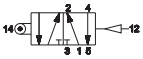
**CL-105P**



**CM-405A**

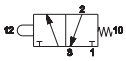


**CM-405P**

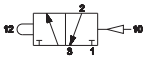


### Puntale a sfera con protezione antipolvere

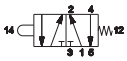
**CL-104A**



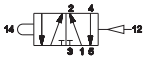
**CL-104P**



**CM-404A**

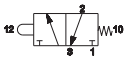


**CM-404P**

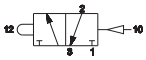


### Puntale a sfera per montaggio a vite su quadro

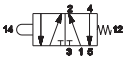
**CL-103A**



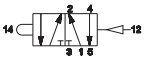
**CL-103P**



**CM-403A**



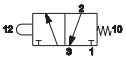
**CM-403P**



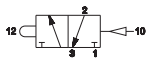
## Valvole ad azionamento meccanico diretto **G1/4**

### Puntale a sfera

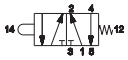
**CL-9102A**



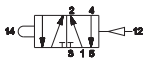
**CL-9102P**



**CM-9402A**

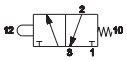


**CM-9402P**

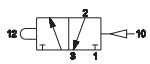


### Puntale a sfera per montaggio a vite su quadro

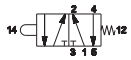
**CL-9103A**



**CL-9103P**



**CM-9403A**



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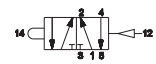


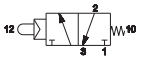


Con riserva di modifica

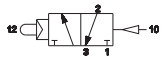
## Valvole ad azionamento indiretto **G1/8 - G1/4** per attuatori pneumatici e meccanici

### Puntale a sfera

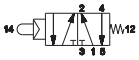
**CL-110A** G 1/8
**CL-9110A** G 1/4



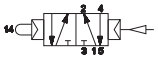
**CL-110P** G 1/8
**CL-9110P** G 1/4



**CM-410A** G 1/8
**CM-9410A** G 1/4

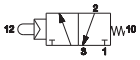


**CM-410P** G 1/8
**CM-9410P** G 1/4

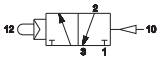


### Puntale a sfera sensibile

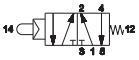
**CL-111A** G 1/8
**CL-9111A** G 1/4



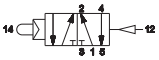
**CL-111P** G 1/8
**CL-9111P** G 1/4

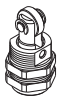
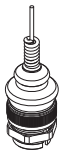
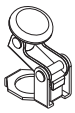
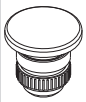
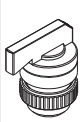
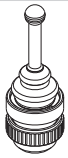


**CM-411A** G 1/8
**CM-9411A** G 1/4



**CM-411P** G 1/8
**CM-9411P** G 1/4

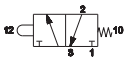


| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | |  | |  | | |  | |  | | |  | |  | |
| AI-3550 | AI-3551 | AI-3560 | AI-3562 | AI-3563 | AI-3570 | AI-3571 | AI-3572 | AI-3511 ■<br>AI-3512 ■<br>AI-3513 ■ | AI-3514 ■<br>AI-3516 ■<br>AI-3514D ■<br>AI-3516D ■ | AI-3515 ■<br>AI-3517 ■<br>AI-3519 ■ | AI-3520 ■<br>AI-3521 ■ | AI-3522 ■<br>(2 pos.)<br>AI-3523 ■ | AI-3524 ■ | AI-3525 ■ | AI-3526 ■ |

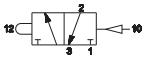
## Valvole ad azionamento diretto e indiretto **G1/8 - G1/4** per attuatori da quadro

### Puntale a sfera (azionamento diretto)

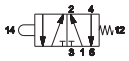
**CL-112A**



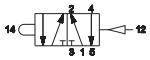
**CL-112P**



**CM-412A**

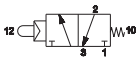


**CM-412P**

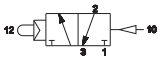


### Puntale a sfera (azionamento indiretto)

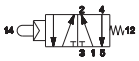
**CL-113A** G 1/8
**CL-9113A** G 1/4



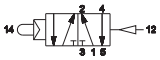
**CL-113P** G 1/8
**CL-9113P** G 1/4

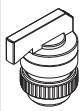
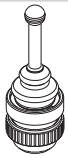


**CM-413A** G 1/8
**CM-9413A** G 1/4



**CM-413P** G 1/8
**CM-9413P** G 1/4

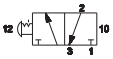


| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |  |  | |
| AI-3511Q ■<br>AI-3512Q ■<br>AI-3513Q ■ | AI-3514Q ■<br>AI-3516Q ■<br>AI-3514QD ■<br>AI-3516QD ■ | AI-3515Q ■<br>AI-3517Q ■<br>AI-3519Q ■ | AI-3524Q ■ | | | | | AI-3511Q ■<br>AI-3512Q ■<br>AI-3513Q ■ | AI-3514Q ■<br>AI-3516Q ■<br>AI-3514QD ■<br>AI-3516QD ■ | AI-3515Q ■<br>AI-3517Q ■<br>AI-3519Q ■ | AI-3520Q ■<br>AI-3521Q ■ | AI-3524Q ■ | AI-3522Q ■<br>(2 pos.)<br>AI-3523Q ■ | AI-3525Q ■ | AI-3526Q ■ |

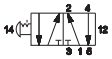
## Valvole ad azionamento manuale **G1/8**

### Tiretto

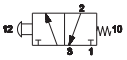
CL-120



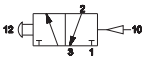
CM-420



CL-120A

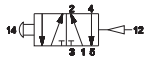


CL-120P



CM-420A

CM-420P

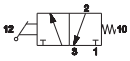


**Le valvole sono fornite senza dispositivo**

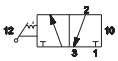
- GIALLO **CP-911G**
- ROSSO **CP-911R**
- NERO **CP-911N**
- VERDE **CP-911V**

### Leva lunga

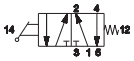
CL-118R



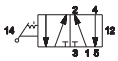
CL-121R



CM-418R

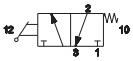


CM-421R

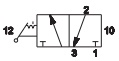


### Leva corta

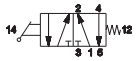
CL-119R



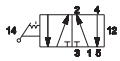
CL-122R



CM-419R



CM-422R



**LEVA LUNGA**

**DI SERIE**
- ROSSO

**SU RICHIESTA**
- GIALLO
- NERO

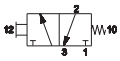
**LEVA CORTA**

**DI SERIE**
- ROSSO

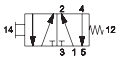
**SU RICHIESTA**
- GIALLO
- NERO
- VERDE

### Tasto

CL-126A



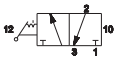
CM-426A



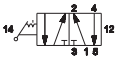
**DI SERIE**
- ROSSO

### Leva rotante

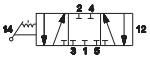
CL-130



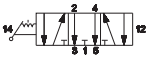
CM-430



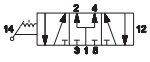
CM-430E



CM-435E



CM-440E



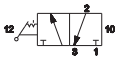
**Le valvole sono fornite senza dispositivo**

- ROSSO **CP-915R**

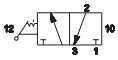
- ROSSO **CP-916R**

### Leva a 90°

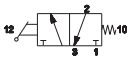
CL-123



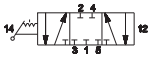
CL-123D



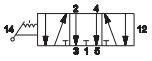
CL-123A



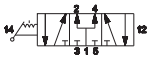
CM-423E



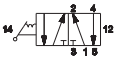
CM-424E



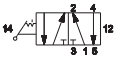
CM-425E



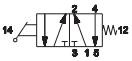
CM-423



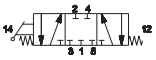
CM-423D



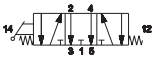
CM-423A



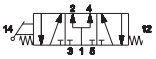
CM-423F



CM-424F



CM-425F



**Le valvole sono fornite senza dispositivo**

**LEVA LUNGA**

- ROSSO **CP-913R**

**LEVA CORTA**

- GIALLO **CP-912G**
- ROSSO **CP-912R**
- NERO **CP-912N**

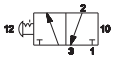


Con riserva di modifica

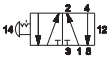
## Valvole ad azionamento manuale **G1/4**

### Tiretto

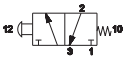
CL-9120



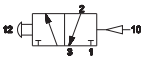
CM-9420



CL-9120A



CL-9120P



CM-9420A

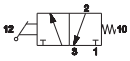
CM-9420P

**Le valvole sono fornite senza dispositivo**

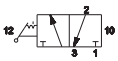
- GIALLO **CP-911G**
- ROSSO **CP-911R**
- NERO **CP-911N**
- VERDE **CP-911V**

### Leva lunga

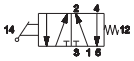
CL-9118R



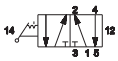
CL-9121R



CM-9418R



CM-9421R

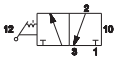


**DI SERIE**
- ROSSO

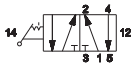
**SU RICHIESTA**
- GIALLO
- NERO

### Leva rotante

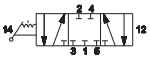
CL-9130



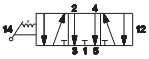
CM-9430



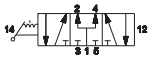
CM-9430E



CM-9435E



CM-9440E



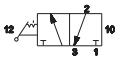
**Le valvole sono fornite senza dispositivo**

- ROSSO **CP-915R**

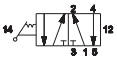
- ROSSO **CP-916R**

### Leva a 90°

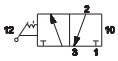
CL-9123



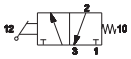
CM-9423



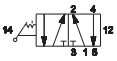
CL-9123D



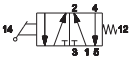
CL-9123A



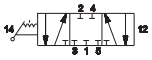
CM-9423D



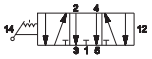
CM-9423A



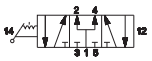
CM-9423E



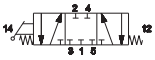
CM-9424E



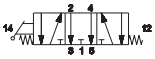
CM-9425E



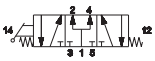
CM-9423F



CM-9424F



CM-9425F



**Le valvole sono fornite con dispositivo leva lunga**

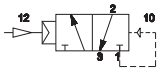
**LEVA LUNGA**

- ROSSO **CP-913R**

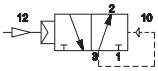
## Valvole ad azionamento pneumatico **G1/8 - G1/4**

### Singolo impulso

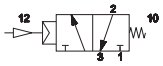
**CL-200** G1/8
**CL-9200** G1/4



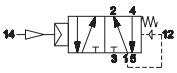
**CL-203** G1/8 (NO)
**CL-9203** G1/4 (NO)



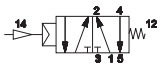
**CL-200A** G1/8
**CL-9200A** G1/4



**CM-500** G1/8
**CM-9500** G1/4

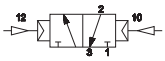


**CM-500A** G1/8
**CM-9500A** G1/4

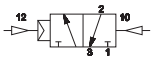


### Doppio impulso

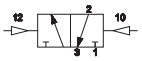
**CL-220** G1/8
**CL-9220** G1/4



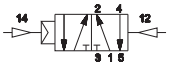
**CL-221** G1/8
**CL-9221** G1/4



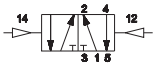
**CL-224** G1/8
**CL-9224** G1/4



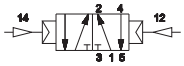
**CM-521** G1/8
**CM-9521** G1/4



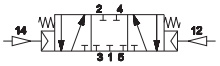
**CM-524** G1/8
**CM-9524** G1/4



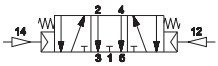
**CM-520** G1/8
**CM-9520** G1/4



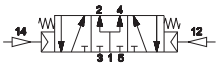
**CM-580** G1/8
**CM-9580** G1/4



**CM-585** G1/8
**CM-9585** G1/4



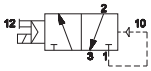
**CM-590** G1/8
**CM-9590** G1/4



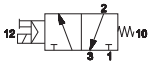
## Valvole ad azionamento elettrico **G1/8 - G1/4**

### Singolo impulso

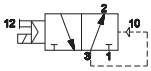
**CL-300** G1/8
**CL-9300** G1/4



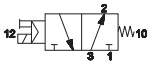
**CL-302A** G1/8
**CL-9302A** G1/4



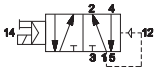
**CL-301** G1/8
**CL-9301** G1/4



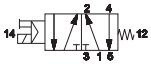
**CL-303A** G1/8 (NO)
**CL-9303A** G1/4 (NO)



**CM-600** G1/8
**CM-9600** G1/4

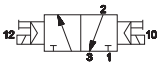


**CM-602A** G1/8
**CM-9602A** G1/4

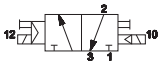


### Doppio impulso

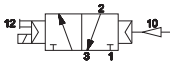
**CL-320** G1/8
**CL-9320** G1/4



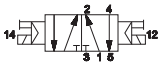
**CL-321** G1/8
**CL-9321** G1/4



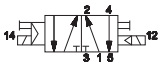
**CL-322** G1/8
**CL-9322** G1/4



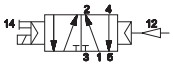
**CM-620** G1/8
**CM-9620** G1/4



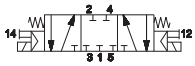
**CM-621** G1/8
**CM-9621** G1/4



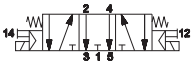
**CM-622** G1/8
**CM-9622** G1/4



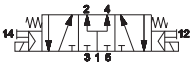
**CM-680** G1/8
**CM-9680** G1/4



**CM-685** G1/8
**CM-9685** G1/4



**CM-690** G1/8
**CM-9690** G1/4

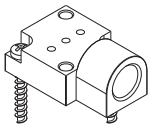


**Le elettrovalvole sono fornite senza bobine, connettori e ghiere di bloccaggio**



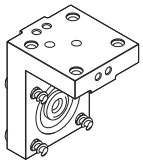
Con riserva di modifica

**AM-5148**



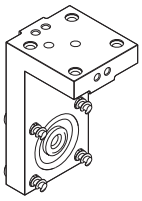
Piastrina per servoalimentazione esterna

**AM-5151**



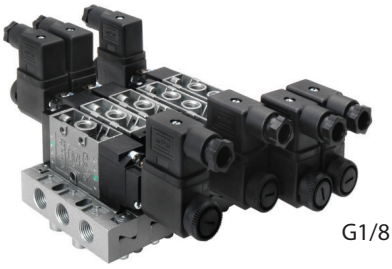
Squadretta variante solenoide "H"

**AM-5152**

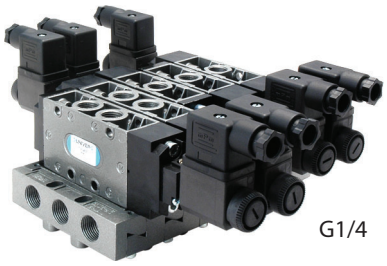


Squadretta variante solenoide "P"

## Sottobase modulare CLIPS **G1/8 - G1/4** per valvole 3/2 - 5/2 - 5/3

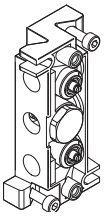


G1/8



G1/4

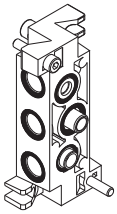
**CP-100/CP-9100**



sottobase modulare scarichi regolati e convogliati
**CP-100** per G1/8, **CP-9100** per G1/4
materiale: zama

Di serie: viti, guarnizioni, regolatore scarichi e raccordo di fissaggio valvole

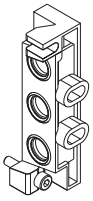
**CP-101/CP-9101**



sottobase modulare senza scarichi regolati
**CP-101** per G1/8, **CP-9101** per G1/4
materiale: zama

Di serie: viti, guarnizioni e raccordo di fissaggio valvole

**CP-105/CP-9105**



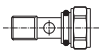
piastra di entrata connessioni laterali
**CP-105** G1/4, **CP-9105** G3/8
materiale: zama

Di serie: viti e guarnizioni

**CP-106**

piastra posto valvola inutilizzato
basi G1/8
materiale: alluminio

**CP-110/CP-9110**



raccordo
connessione: **CP-110** G1/8, **CP-9110** G1/4
materiale: ottone

**CP-111/CP-9111**

separatore pressioni differenziali
**CP-111** per G1/8, **CP-9111** per G1/4
materiale: alluminio

**CP-112/CP-9112**

tappo per montaggio valvola 3/2
**CP-112** per G1/8, **CP-9112** per G1/4
materiale: alluminio

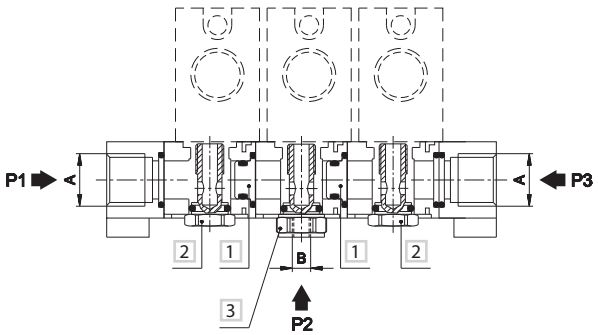
**CP-113/CP-9113**

spillo di regolazione
**CP-113** per G1/8, **CP-9113** per G1/4
materiale: ottone

Per ogni pressione supplementare richiedere un raccordo più due separatori.

Tappo per montaggio valvole 3/2 NC-NO su sottobase "CLIPS" per chiudere la via inutilizzata.
Sottobase di serie con vite di regolazione taglio a cacciavite.
A richiesta spillo di regolazione con impugnatura zigrinata.

### Esempio di assemblaggio batteria 3 pressioni




| | A | B |
|---|---|---|
| **G1/8** | G1/4 | G1/8 |
| **G1/4** | G3/8 | G1/4 |

1 Separatore pressioni differenziali **CP-111/CP-9111**
2 Raccordo fissaggio valvola inglobato nella sottobase
3 Raccordo **CP-110/CP-9110**