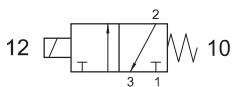


elettropiloti 10 mm

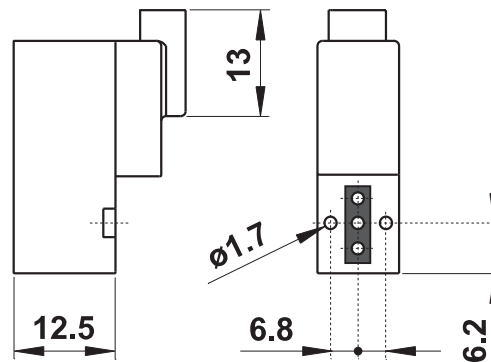
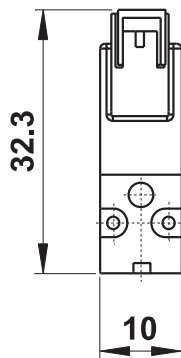
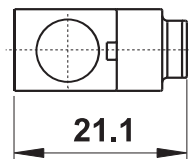
10 mm solenoids



Elettropilota
Solenoid valve **10 mm**



00.441.0



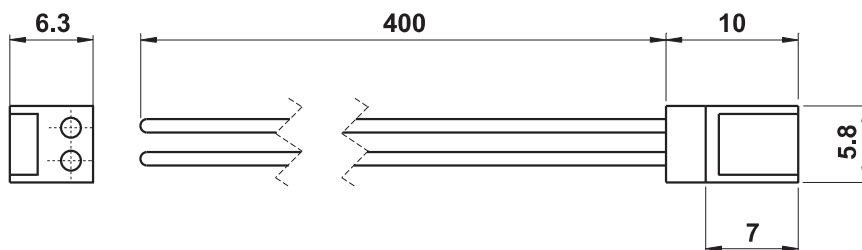
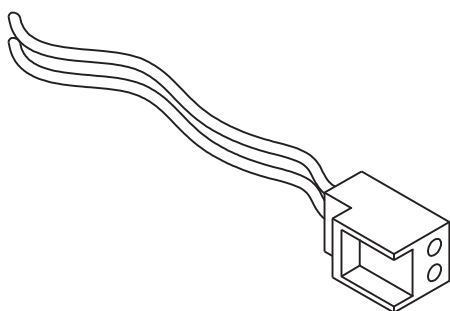
| | |
|--|-------------------|
| Tensione <i>Tension</i> | 24V DC $\pm 10\%$ |
| Potenza <i>Power</i> | 0.5 ... 1 W |
| Tempo di risposta <i>Response time</i> | 10 ms |
| Portata nominale a 6 bar, Δp 1 bar <i>Nominal flow rate at 6 bar, Δp 1 bar</i> | 15 NI/min |

| | |
|--|--|
| Temperatura di esercizio <i>Temperature range</i> | -5°C ... +60°C |
| Pressione di esercizio <i>Working pressure</i> | 0 ... 7 bar 0 ... 0.7 MPa |
| Vita in condizioni standard (numero di cicli) <i>Life expectation in standard conditions (number of cycles)</i> | 40 Hz |
| Fluido <i>Fluid</i> | Aria filtrata 5 μ con o senza lubrificazione 5 μ filtered, lubricated or non lubricated air |

ACCESSORI - ACCESSORIES

07.049.0 Connettore per elettropilota 10 mm con cavetto rosso/nero, lunghezza 400 mm

Connector for 10 mm solenoid with cable red/black, length 400 mm



elettropiloti 10 mm

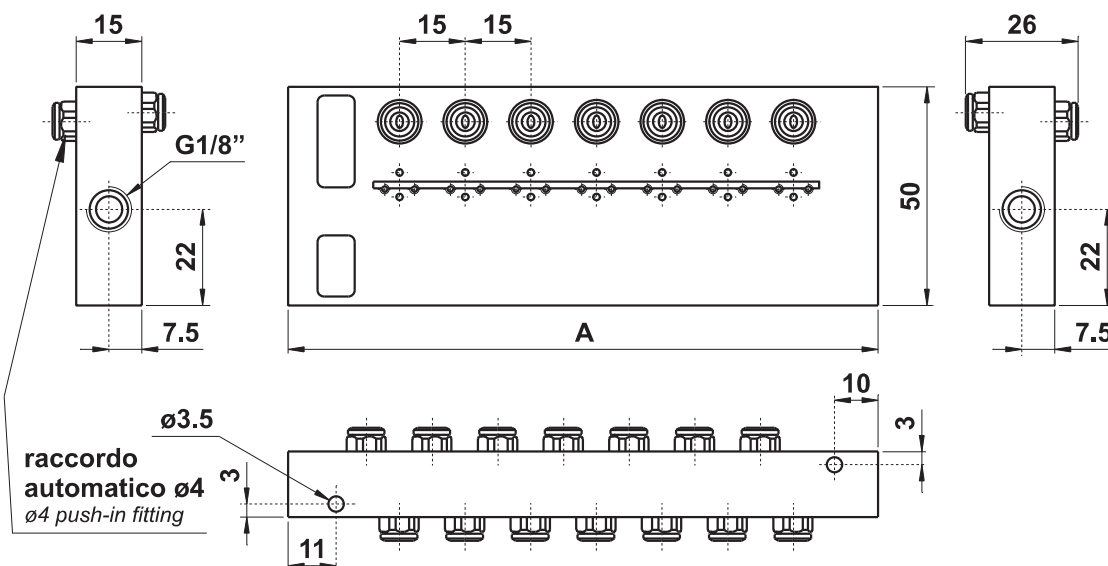
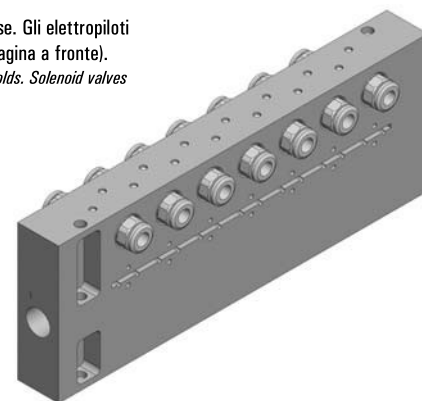
10 mm solenoids



basi a posti fissi per elettropiloti 10 mm manifolds for 10 mm solenoid valves

I codici qui riportati si riferiscono alla sola base. Gli elettropiloti devono essere ordinati separatamente (vedi pagina a fronte).
All here mentioned codes are referred only to manifolds. Solenoid valves are bought separately (see opposite page).

- Basi a posti fissi utilizzabili singolarmente o in multiconnessione (vedi pag. 257-259)
These manifolds can be used independently or mounted in multiconnection systems (refer to pages 257-259)
- Attenzione: momento massimo di serraggio delle viti di fissaggio degli elettropiloti sulla base: 0.25 Nm
Attention: maximum torque for mounting screws of the solenoid valves: 0.25 Nm



| modello model | nr. posiz. no. stations | A |
|------------------|----------------------------|-----|
| 07.090.2 | 4 | 60 |
| 07.091.2 | 6 | 75 |
| 07.092.2 | 8 | 90 |
| 07.093.2 | 10 | 105 |
| 07.094.2 | 12 | 120 |
| 07.095.2 | 14 | 135 |
| 07.096.2 | 16 | 150 |
| 07.097.2 | 18 | 165 |
| 07.098.2 | 20 | 180 |
| 07.099.2 | 22 | 195 |
| 07.100.2 | 24 | 210 |

basi per elettropiloti 10 mm

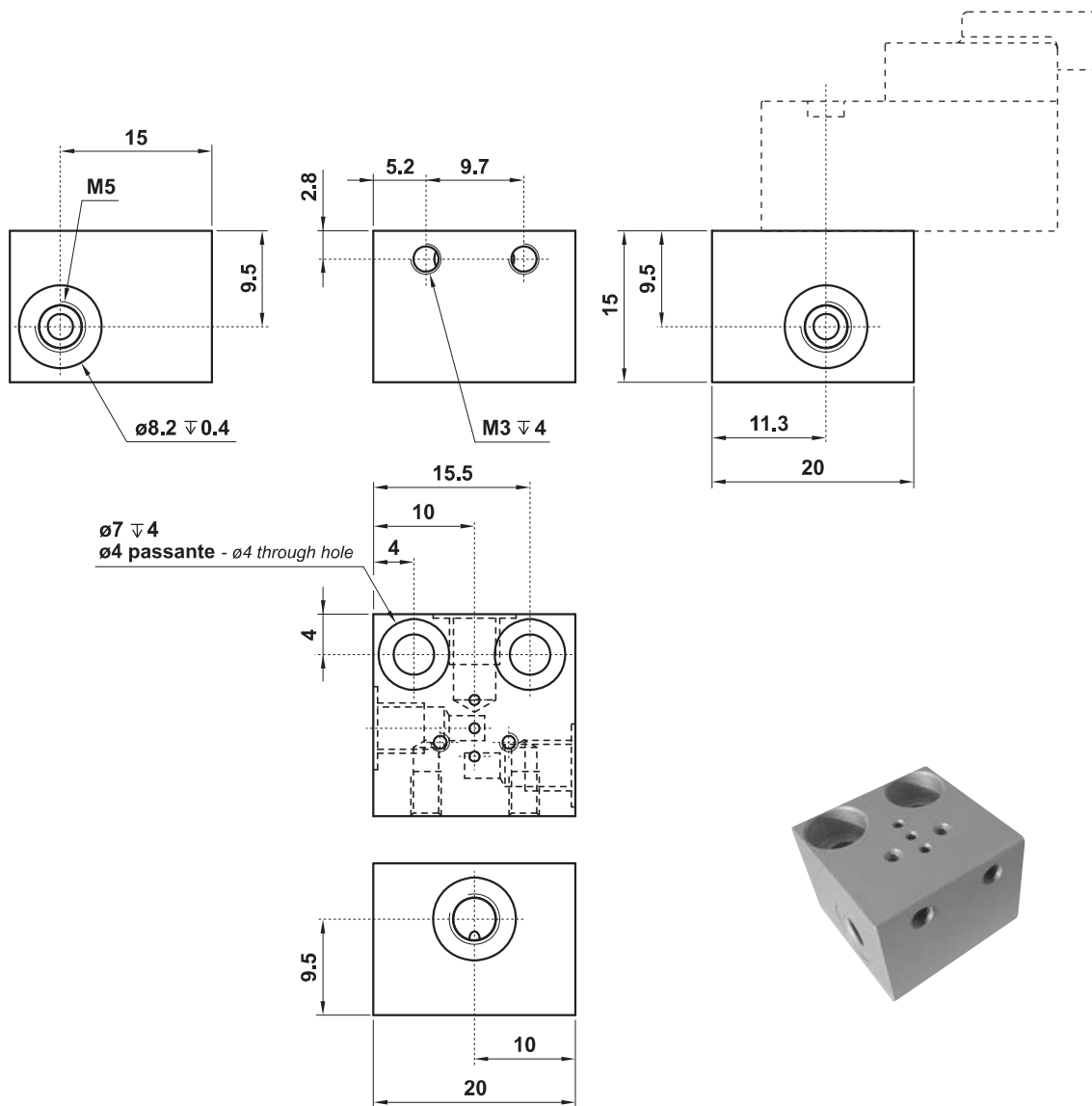
manifolds for 10 mm solenoid valves



I codici qui riportati si riferiscono alla sola base. Gli elettropiloti devono essere ordinati separatamente (vedi pag. 154).
All here mentioned codes are referred only to manifolds. Solenoid valves are bought separately (refer to page 154).

base per elettropilota singolo NC 10 mm single manifold for 10 mm NC solenoid valve

07.101.1



piastrina di chiusura per elettropilota 10 mm blanking plate for 10 mm solenoid valve

07.107.2

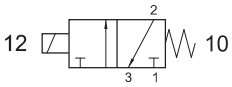


elettropiloti e connettori 15 mm

15 mm solenoids and connectors



15 mm

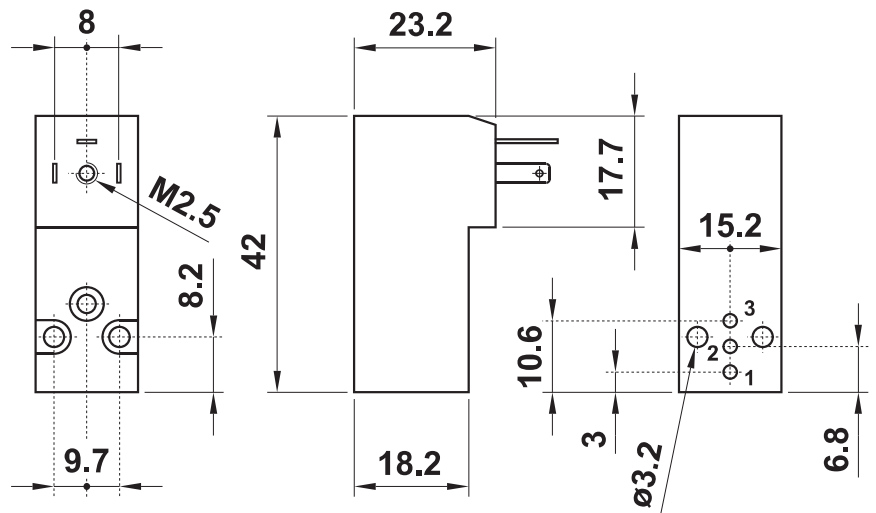


| | | |
|------------------------------|---------------------|-------------------------|
| funzione della valvola | 3/2 NC | valve function |
| diametro nominale | 1.1 mm | nominal orifice |
| portata 1-2 | 30 NI/min | flow rate 1-2 |
| portata 2-3 | 35 NI/min | flow rate 2-3 |
| pressione di esercizio | max 10 bar | working pressure |
| durata cicli | 100x10 ⁶ | life time (cycles) |
| tempo di risposta | 10 ms | response time |
| temperatura max di esercizio | +50°C | max working temperature |
| inserimento | ED 100% | duty cycle |
| consumo a regime | DC: 2W | rated power consumption |
| | AC: 1.3VA | |
| protezione | IP 51 | protection |
| tolleranza di tensione | -10%; +15% | tension tolerance |

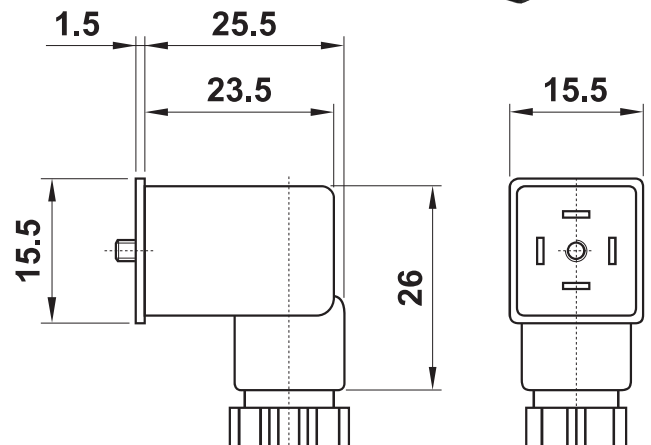
- Connessione elettrica: DIN 43650 forma C
Electrical connection: DIN 43650, C form
- Con azionatore manuale monostabile
With non-detented manual override

| ACCESSORI - accessories | |
|--|--|
| <p>piastrina con guarnizione mounting plate with gasket</p> <p>00.414.0</p>  | |
| <p>vite di fissaggio (sono necessarie 2 viti) mounting screw (2 screws are necessary)</p> <p>00.413.0</p>  | |

| codice code | tensione tension |
|----------------|---------------------|
| 00.253.0 | 12V DC |
| 00.254.0 | 24V DC |
| 00.255.0 | 24V 50/60Hz |
| 00.256.0 | 110V 50/60Hz |
| 00.257.0 | 220V 50/60Hz |



| codice code | colore colour | cavo cable | tipo type |
|----------------|----------------------------|---------------|---|
| 00.252.0 | nero black | PG07 | normale standard |
| 00.341.0 | trasparente transparent | PG07 | con LED 24V e VDR with LED 24V and VDR |
| 00.342.0 | trasparente transparent | PG07 | con LED 115V with LED 115V |
| 00.343.0 | trasparente transparent | PG07 | con LED 115V e VDR with LED 115V and VDR |
| 00.398.0 | trasparente transparent | PG07 | con LED 230V with LED 230V |
| 00.399.0 | trasparente transparent | PG07 | con LED 230V e VDR with LED 230V and VDR |



basi per elettropiloti 15 mm

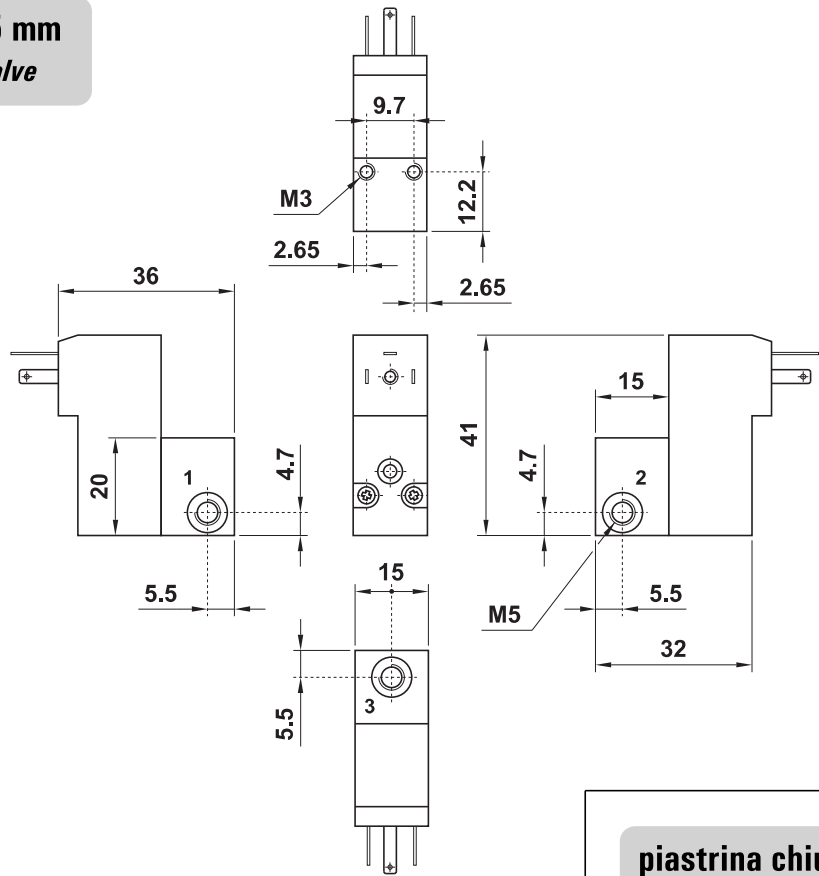
manifolds for 15 mm solenoid valves



I codici qui riportati si riferiscono alla sola base. Gli elettropiloti devono essere ordinati separatamente (vedi pag. 157).
All here mentioned codes are referred only to manifolds. Solenoid valves are bought separately (refer to page 157).

base per elettropilota singolo NC 15 mm single manifold for 15 mm NC solenoid valve

AU.061.1

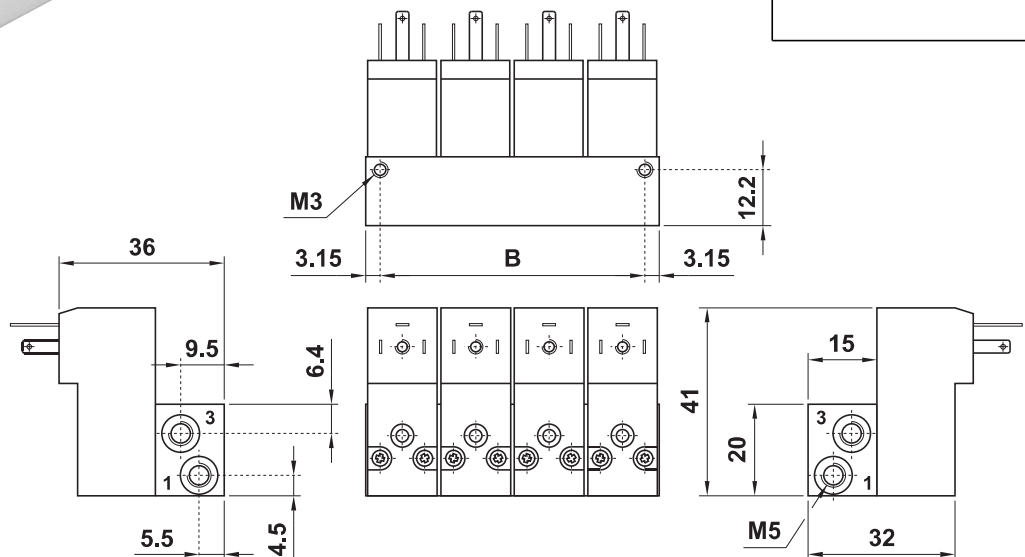
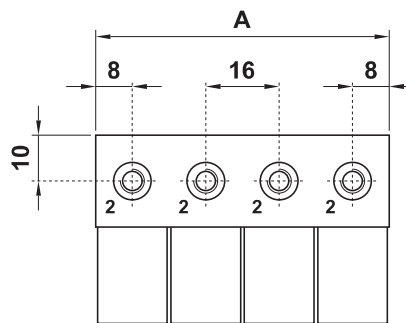


piastrina chiusura
blanking plate

00.093.2



basi a posti fissi per elettropiloti NC 15 mm manifolds for 15 mm NC solenoid valves



| modello model | nr. posizioni no. stations | A | B |
|------------------|-------------------------------|-----|-------|
| AU.062.1 | 2 | 32 | 25.7 |
| AU.063.1 | 3 | 48 | 41.7 |
| AU.064.1 | 4 | 64 | 57.7 |
| AU.065.1 | 5 | 80 | 73.7 |
| AU.066.1 | 6 | 96 | 89.7 |
| AU.067.1 | 7 | 112 | 105.7 |
| AU.068.1 | 8 | 128 | 121.7 |
| AU.069.1 | 9 | 144 | 137.7 |
| AU.070.1 | 10 | 160 | 153.7 |

elettropiloti su base

solenoid valves on manifold



I prodotti qui indicati sono venduti senza bobine, da acquistarsi separatamente (vedi pag. 169).

All here mentioned products are sold without coils, which are bought separately (refer to page 169).

Per utilizzare questi prodotti come valvole 2|2, per ogni elettropilota è necessario acquistare la ghiera in alluminio (codice 00.125.2) e il tappo M5 (codice 36.643.0).

To use these products as 2|2 valves, for each solenoid valve it is necessary to buy the aluminium nut (code 00.125.2) with M5 plug (code 36.643.0).

elettropilota singolo 3/2 con o senza azion. manuale bistabile

3/2 single solenoid valve with or without detented manual override

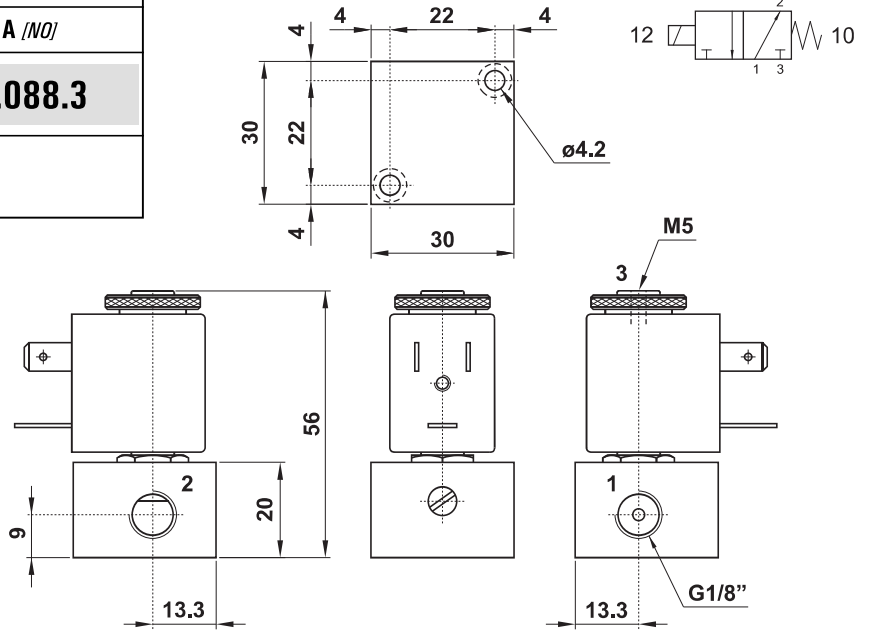
1/8"

bobina coil **22 mm**



| | CODICI DI ORDINAZIONE - ORDER CODES | |
|--|-------------------------------------|-----------------|
| | NC [NC] | NA [NO] |
| senza azion. manuale <i>without manual override</i> | 00.071.3 | 00.088.3 |
| con azion. manuale <i>with manual override</i> | 00.051.3 | |

| | |
|--|---|
| Temperatura di esercizio <i>Temperature range</i> | max +60°C |
| Pressione di esercizio <i>Working pressure</i> | -0.7 ... 10 bar -0.07 ... 1 MPa |
| Diametro nominale <i>Nominal orifice</i> | 1.1 mm |
| Portata nominale 1-2 <i>Nominal flow rate 1-2</i> | 30 NI/min |
| Fluido <i>Fluid</i> | Aria filtrata 50µ con o senza lubrificazione <i>50µ filtered, lubricated or non lubricated air</i> |



elettropilota singolo 3/2 con o senza azion. manuale bistabile

3/2 single solenoid valve with or without detented manual override

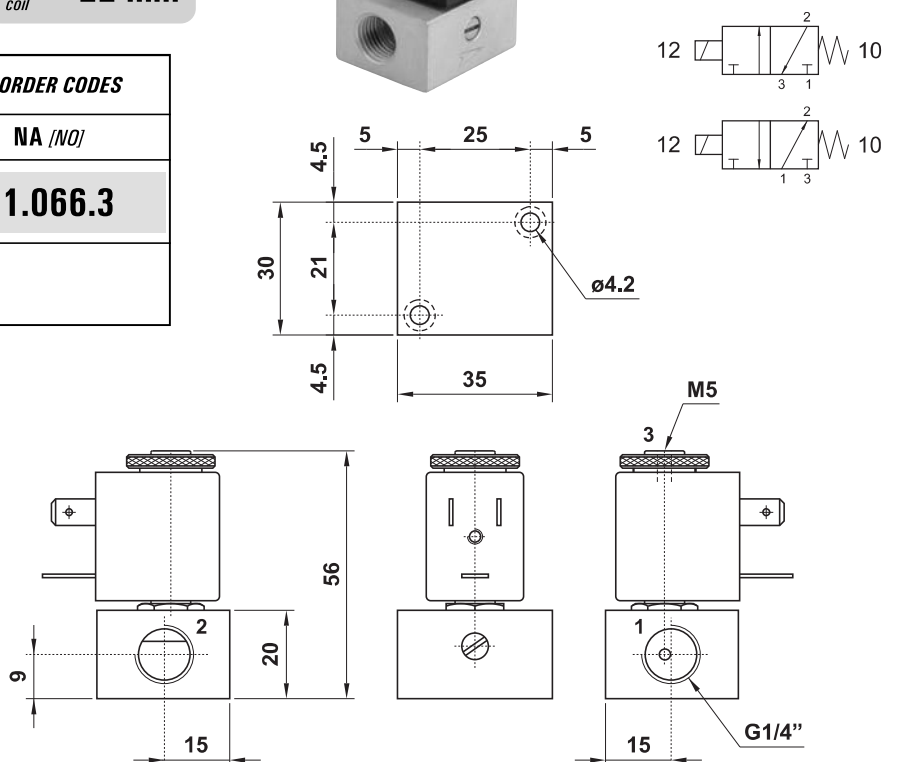
1/4"

bobina coil **22 mm**



| | CODICI DI ORDINAZIONE - ORDER CODES | |
|--|-------------------------------------|-----------------|
| | NC [NC] | NA [NO] |
| senza azion. manuale <i>without manual override</i> | 01.068.3 | 01.066.3 |
| con azion. manuale <i>with manual override</i> | 01.005.3 | |

| | |
|--|---|
| Temperatura di esercizio <i>Temperature range</i> | max +60°C |
| Pressione di esercizio <i>Working pressure</i> | -0.7 ... 10 bar -0.07 ... 1 MPa |
| Diametro nominale <i>Nominal orifice</i> | 1.1 mm |
| Portata nominale 1-2 <i>Nominal flow rate 1-2</i> | 30 NI/min |
| Fluido <i>Fluid</i> | Aria filtrata 50µ con o senza lubrificazione <i>50µ filtered, lubricated or non lubricated air</i> |



elettropiloti su base

solenoid valves on manifold



I prodotti qui indicati sono venduti senza bobine, da acquistarsi separatamente (vedi pag. 169).

All here mentioned products are sold without coils, which are bought separately (refer to page 169).

Per utilizzare questi prodotti come valvole 2/2, per ogni elettropilota è necessario acquistare la ghiera in alluminio (codice 00.125.2) e il tappo M5 (codice 36.643.0).

To use these products as 2/2 valves, for each solenoid valve it is necessary to buy the aluminium nut (code 00.125.2) with M5 plug (code 36.643.0).

elettropilota singolo 3/2 NC su base CNOMO con azionatore manuale
3/2 NC single solenoid valve on CNOMO-base with manual override

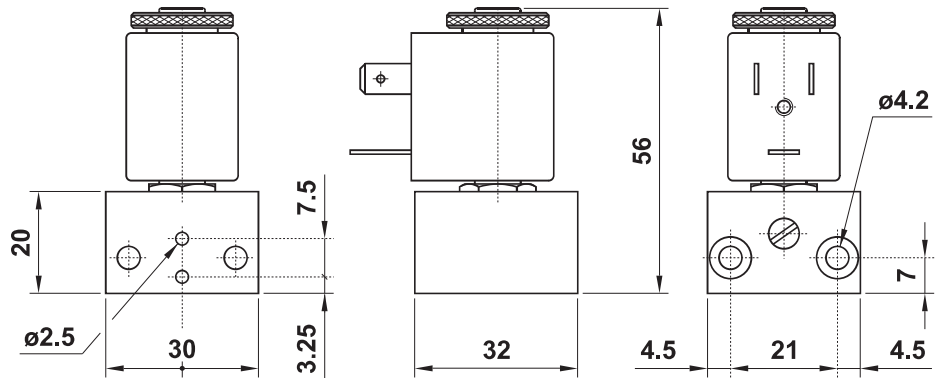
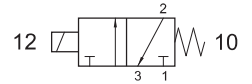
bobina
coil **22 mm**

00.004.3

con azionatore manuale bistabile
with detented manual override

00.064.3

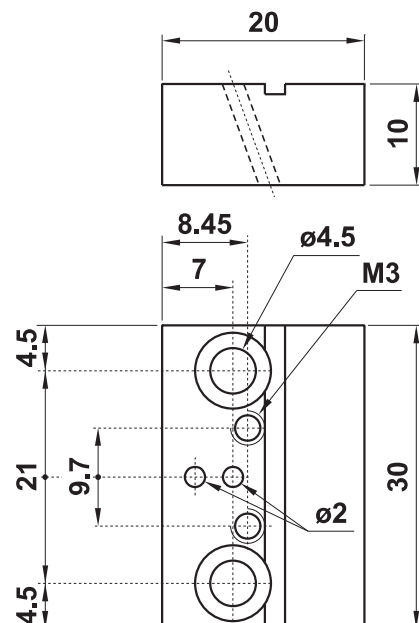
con azionatore manuale monostabile
with non-detented manual override



| | |
|--|--|
| Temperatura di esercizio <i>Temperature range</i> | max +60°C |
| Pressione di esercizio <i>Working pressure</i> | -0.7 ... 10 bar -0.07 ... 1 MPa |
| Diametro nominale <i>Nominal orifice</i> | 1.1 mm |
| Portata nominale 1-2 <i>Nominal flow rate 1-2</i> | 30 NI/min |
| Fluido <i>Fluid</i> | Aria filtrata 50µ con o senza lubrificazione 50µ filtered, lubricated or non lubricated air |

interfaccia per elettropilota 15 mm su base CNOMO
interface for 15 mm solenoid valve on CNOMO-base

00.441.1



elettropiloti su base

solenoid valves on manifold



I prodotti qui indicati sono venduti senza bobine, da acquistarsi separatamente (vedi pag. 169).

All here mentioned products are sold without coils, which are bought separately (refer to page 169).

Per utilizzare questi prodotti come valvole 2/2, per ogni elettropilota è necessario acquistare la ghiera in alluminio (codice 00.125.2) e il tappo M5 (codice 36.643.0).

To use these products as 2/2 valves, for each solenoid valve it is necessary to buy the aluminium nut (code 00.125.2) with M5 plug (code 36.643.0).

**elettropilota girevole singolo 3/2
con azion. manuale bistabile**
*3/2 single rotary solenoid valve with
detented manual override*

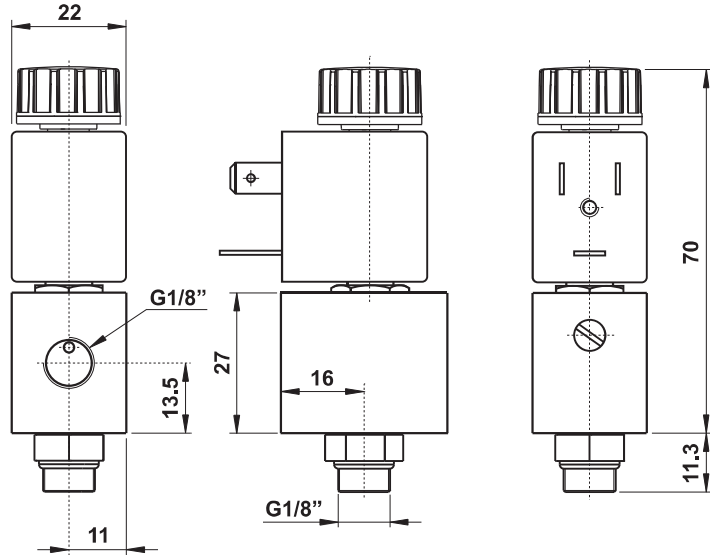
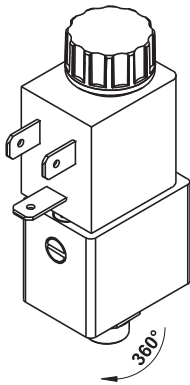
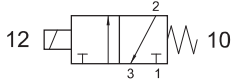
1/8"

bobina **22 mm**
coil

Questo elettropilota può essere montato direttamente su cilindri a semplice o doppio effetto. È girevole su 360°.

This solenoid valve can be directly mounted on single or double acting cylinders. It can be rotated 360°.

11.098.3



**elettropilota girevole singolo 3/2
con azion. manuale e vite cava**
*3/2 single rotary solenoid valve with
manual override and fitting screw*

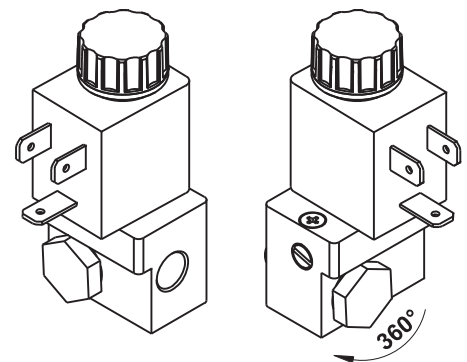
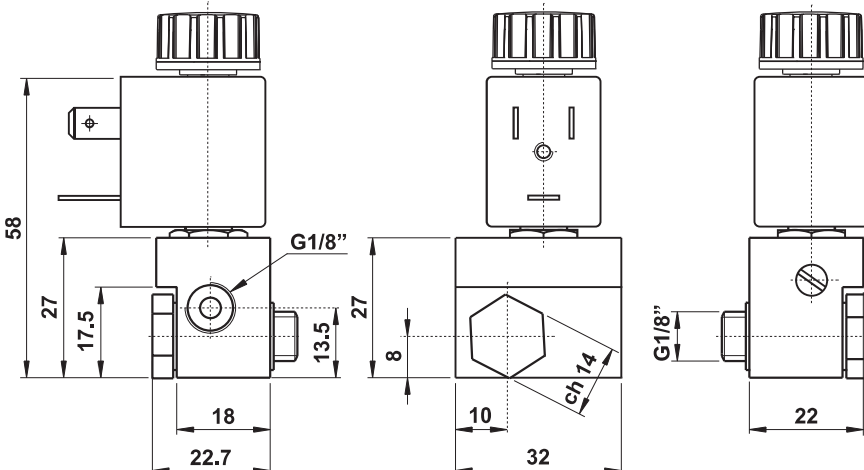
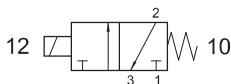
1/8"

bobina **22 mm**
coil

Questo elettropilota può essere montato direttamente su cilindri a semplice o doppio effetto o su valvole per controllo fluidi a comando pneumatico. È orientabile su 360° grazie al serraggio mediante vite cava.

This solenoid valve can be directly mounted on single or double acting cylinders, or on pneumatically actuated valves for fluid control. It can be rotated 360° thanks to the fitting screw used for mounting.

11.095.3



| | |
|--|--|
| Temperatura di esercizio <i>Temperature range</i> | max +60°C |
| Pressione di esercizio <i>Working pressure</i> | -0.7 ... 10 bar -0.07 ... 1 MPa |
| Diametro nominale <i>Nominal orifice</i> | 1.1 mm |
| Portata nominale 1-2 <i>Nominal flow rate 1-2</i> | 30 NI/min |
| Fluido <i>Fluid</i> | Aria filtrata 50μ con o senza lubrificazione 50μ filtered, lubricated or non lubricated air |

elettropiloti su base

solenoid valves on manifold



I prodotti qui indicati sono venduti senza bobine, da acquistarsi separatamente (vedi pag. 169).

All here mentioned products are sold without coils, which are bought separately (refer to page 169).

Per utilizzare questi prodotti come valvole 2/2, per ogni elettropilota è necessario acquistare la ghiera in alluminio (codice 00.125.2) e il tappo M5 (codice 36.643.0).

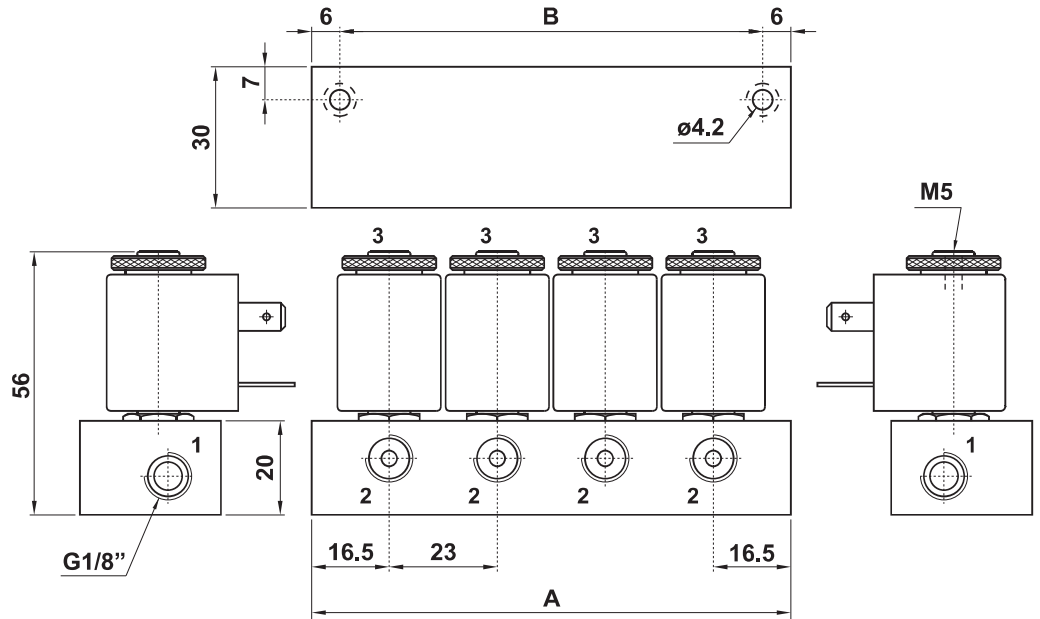
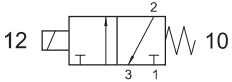
To use these products as 2/2 valves, for each solenoid valve it is necessary to buy the aluminium nut (code 00.125.2) with M5 plug (code 36.643.0).

**elettropiloti 3/2 NC su base
senza azionatore manuale**
*3/2 NC solenoid valves on
manifold without manual override*

22 mm



- diametro nominale 1.1 mm
nominal orifice 1.1 mm



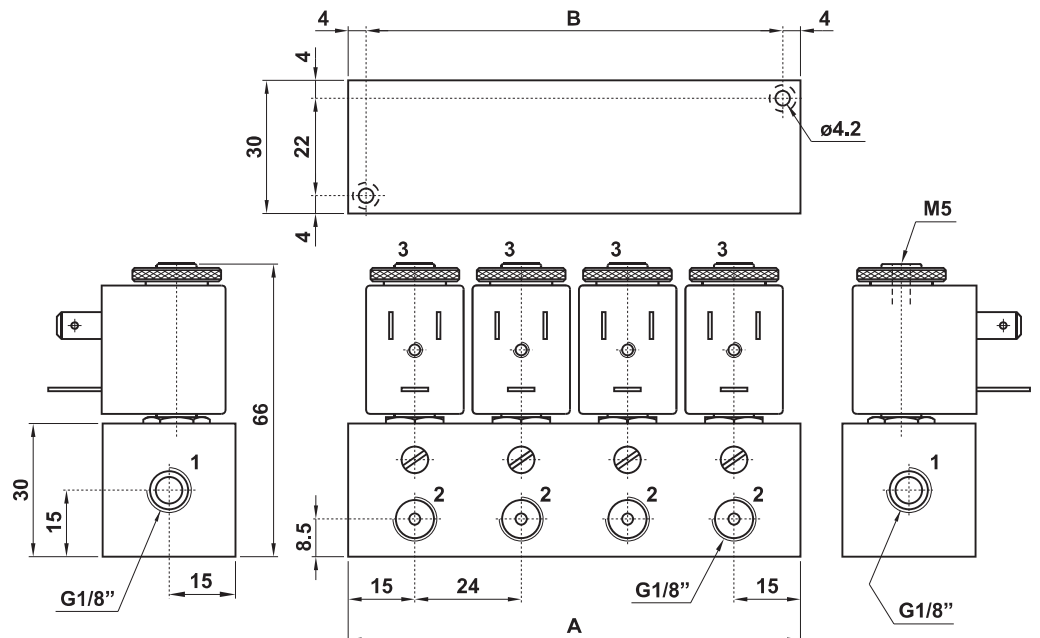
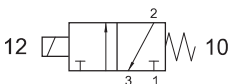
| modello model | nr. posizioni no. stations | A | B |
|------------------|-------------------------------|-----|-----|
| 00.072.3 | 2 | 56 | 44 |
| 00.073.3 | 3 | 79 | 67 |
| 00.074.3 | 4 | 102 | 90 |
| 00.075.3 | 5 | 125 | 113 |
| 00.076.3 | 6 | 148 | 136 |
| 00.077.3 | 7 | 171 | 159 |
| 00.078.3 | 8 | 194 | 182 |
| 00.079.3 | 9 | 217 | 205 |
| 00.080.3 | 10 | 240 | 228 |

**elettropiloti 3/2 NC su base
con azionatore manuale bistabile**
*3/2 NC solenoid valves on manifold
with detented manual override*

22 mm



- diametro nominale 1.1 mm
nominal orifice 1.1 mm



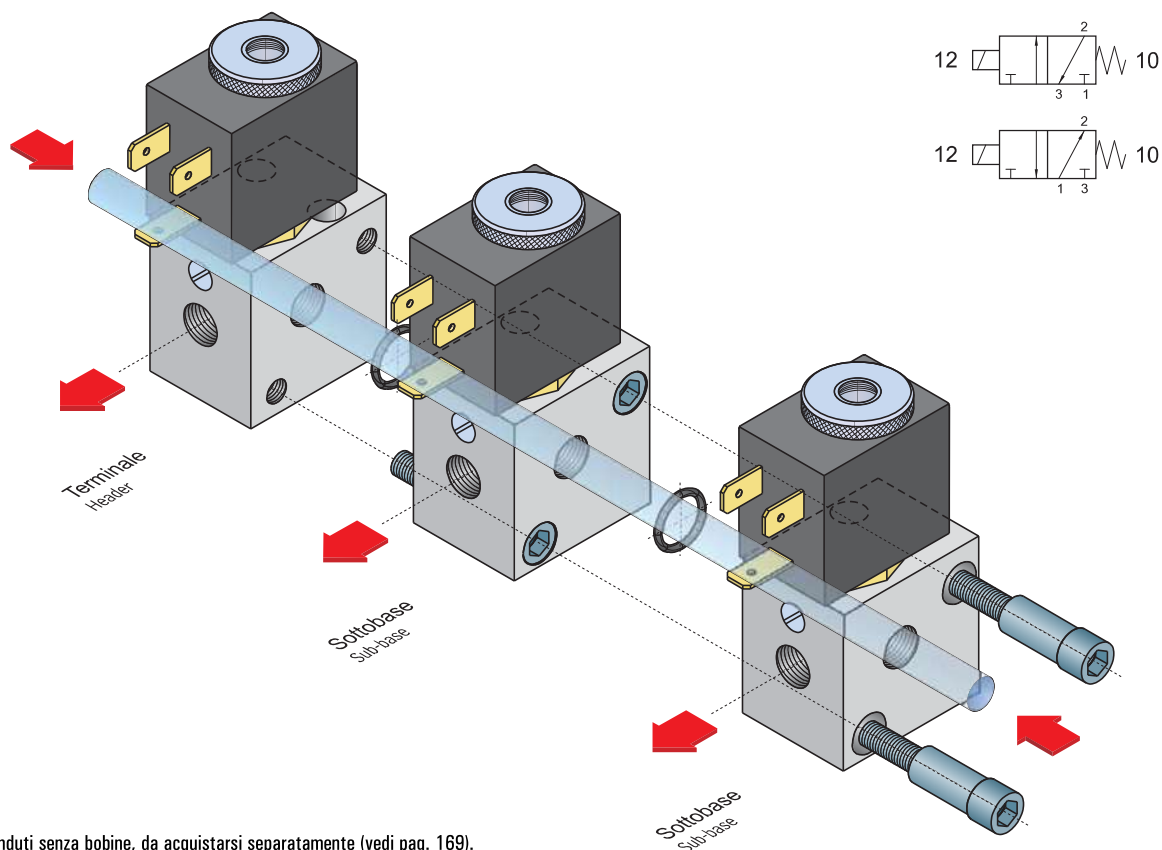
| modello model | nr. posizioni no. stations | A | B |
|------------------|-------------------------------|-----|-----|
| 00.052.3 | 2 | 54 | 46 |
| 00.053.3 | 3 | 78 | 70 |
| 00.054.3 | 4 | 102 | 94 |
| 00.055.3 | 5 | 126 | 118 |
| 00.056.3 | 6 | 150 | 142 |

elettropiloti su basi modulari

solenoid valves on multiple sub-bases



- Uscite filettate G1/8" o con raccordo automatico per tubo $\varnothing 4$
User ports: G1/8" or push-in fittings for $\varnothing 4$ tube
- I terminali possono essere utilizzati come basi singole
Headers can be used also as bases for standing-alone solenoid valves
- Con o senza azionatore manuale bistabile
With or without detented manual override
- Versione 3/2 normalmente chiusa e normalmente aperta
Normally closed and normally open 3/2 version
- Per bobine da 22 mm
For 22 mm coils



I prodotti di seguito indicati sono venduti senza bobine, da acquistarsi separatamente (vedi pag. 169).
The following listed products are sold without coils, which are bought separately (refer to page 169).

| | |
|--|---|
| Temperatura di esercizio <i>Temperature range</i> | max +60°C |
| Pressione di esercizio <i>Working pressure</i> | -0.7 ... 10 bar -0.07 ... 1 MPa |
| Diametro nominale <i>Nominal orifice</i> | 1.1 mm |
| Fluido <i>Fluid</i> | Aria filtrata 50 μ con o senza lubrificazione <i>50μ filtered, lubricated or non lubricated air</i> |

Per utilizzare questi prodotti come valvole 2/2, per ogni elettropilota è necessario acquistare la ghiera in alluminio (codice 00.125.2) e il tappo M5 (codice 36.643.0).
To use these products as 2/2 valves, for each solenoid valve it is necessary to buy the aluminium nut (code 00.125.2) with M5 plug (code 36.643.0).

Basi e terminali sono venduti con tutti i particolari necessari per l'installazione modulare.
Sub-bases and headers are sold with all necessary pieces for installation.

elettropiloti su basi modulari

solenoid valves on multiple sub-bases



sottobase
sub-base

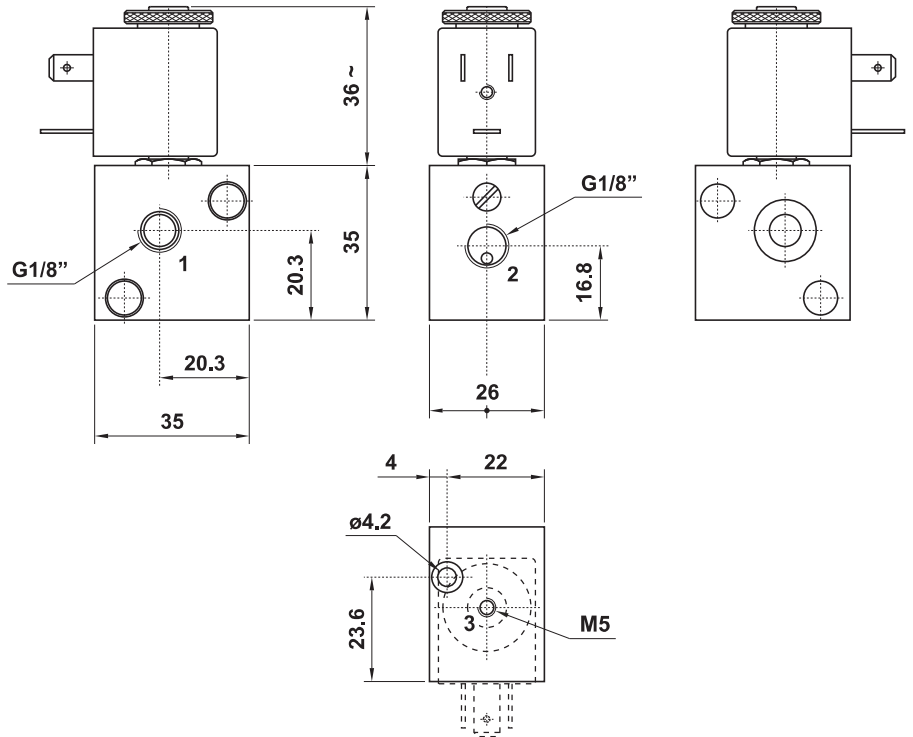
con azionatore manuale bistabile
with detented manual override

G1/8"

CODICE DI ORDINAZIONE - ORDER CODE

NC [NC]

00.094.3



terminale
header

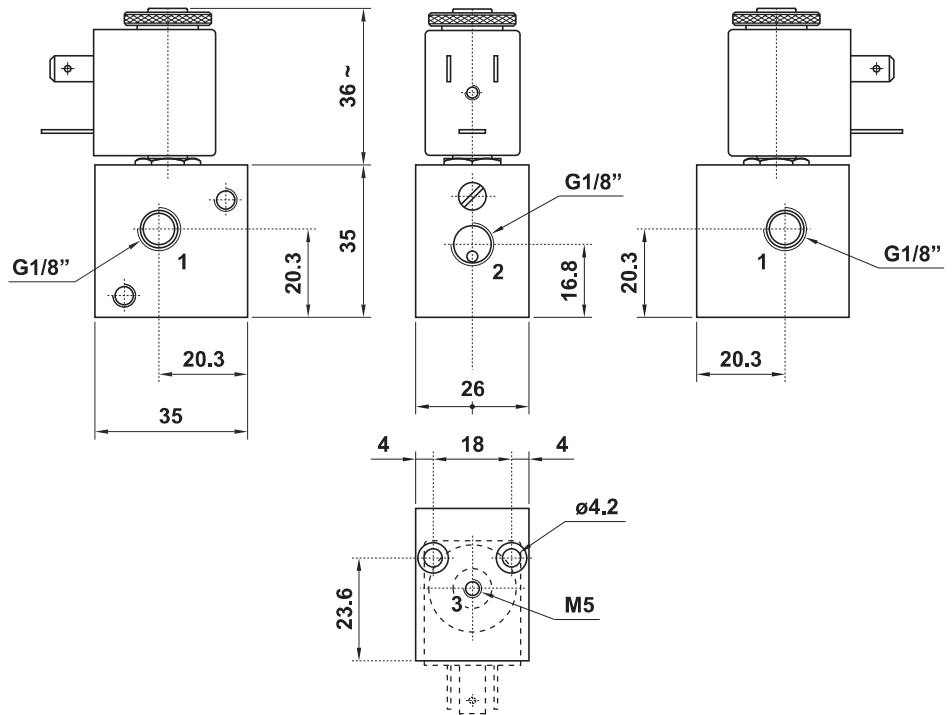
con azionatore manuale bistabile
with detented manual override

G1/8"

CODICE DI ORDINAZIONE - ORDER CODE

NC [NC]

00.095.3



elettropiloti su basi modulari

solenoid valves on multiple sub-bases

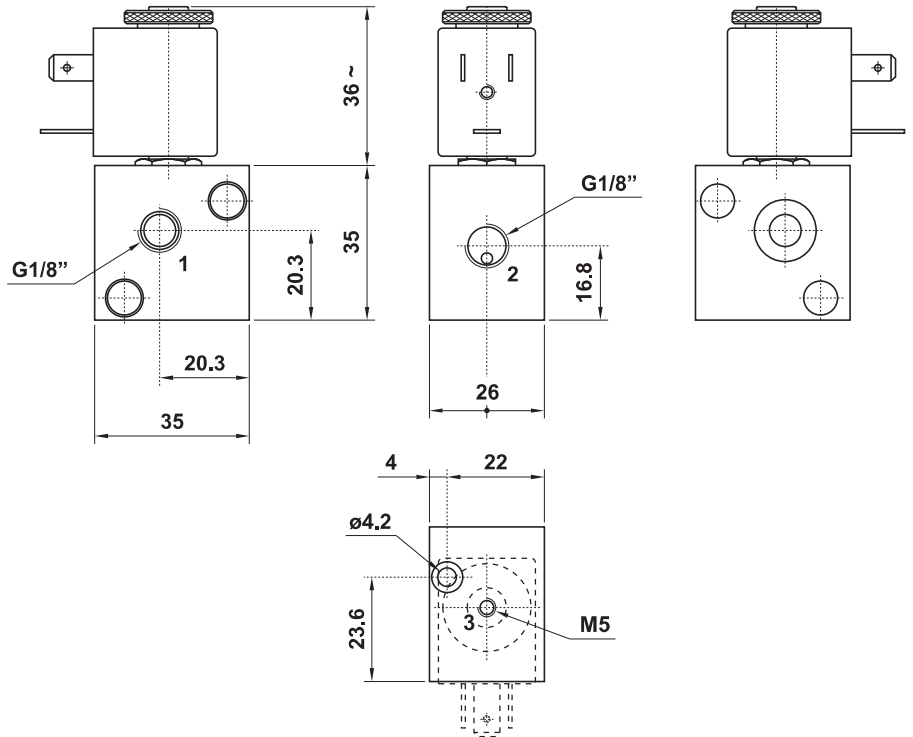


sottobase
sub-base

senza azionatore manuale
without manual override

G1/8"

| CODICI DI ORDINAZIONE - ORDER CODES | |
|-------------------------------------|-----------------|
| NC (NC) | NA (NO) |
| 00.096.3 | 00.130.3 |

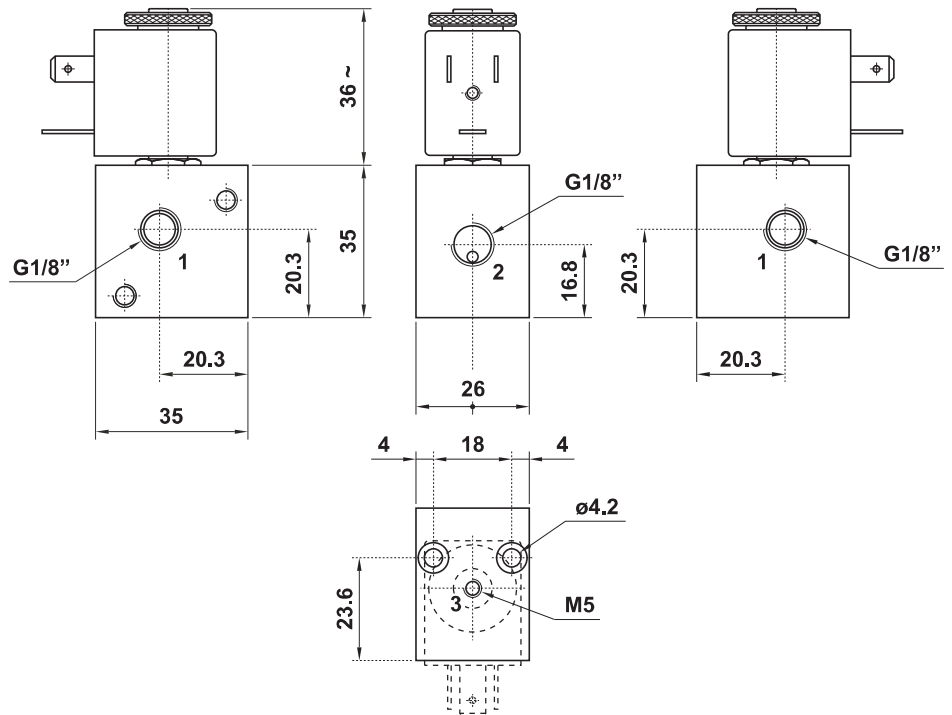
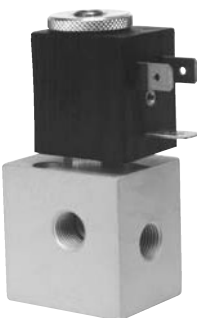


terminale
header

senza azionatore manuale
without manual override

G1/8"

| CODICI DI ORDINAZIONE - ORDER CODES | |
|-------------------------------------|-----------------|
| NC (NC) | NA (NO) |
| 00.097.3 | 00.131.3 |



elettropiloti su basi modulari

solenoid valves on multiple sub-bases



sottobase
sub-base

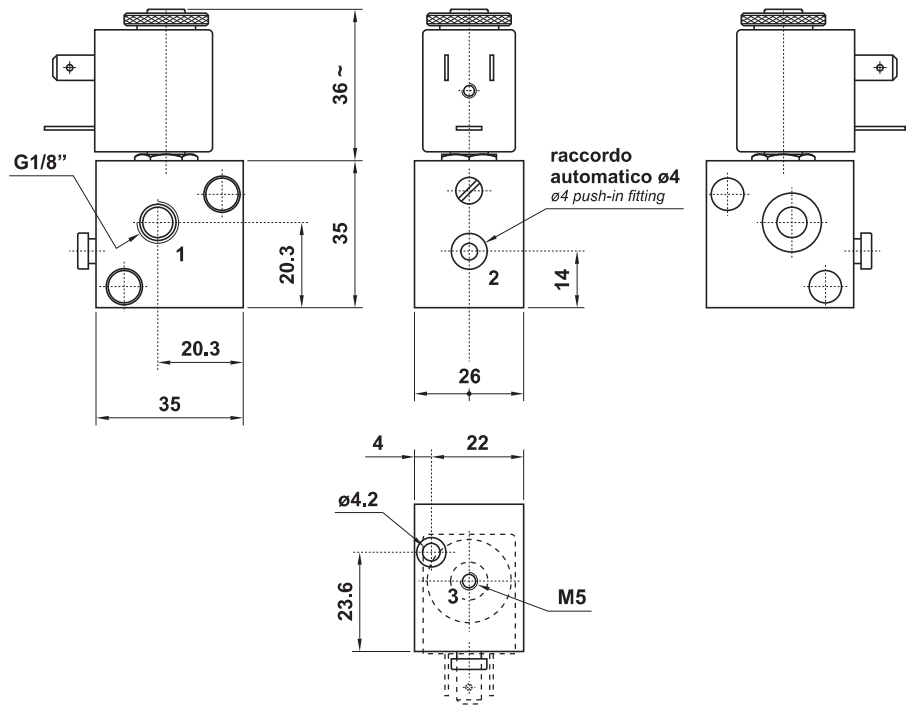
con azionatore manuale bistabile
with detented manual override

ø4

CODICE DI ORDINAZIONE - ORDER CODE

NC [NC]

00.098.3



terminale
header

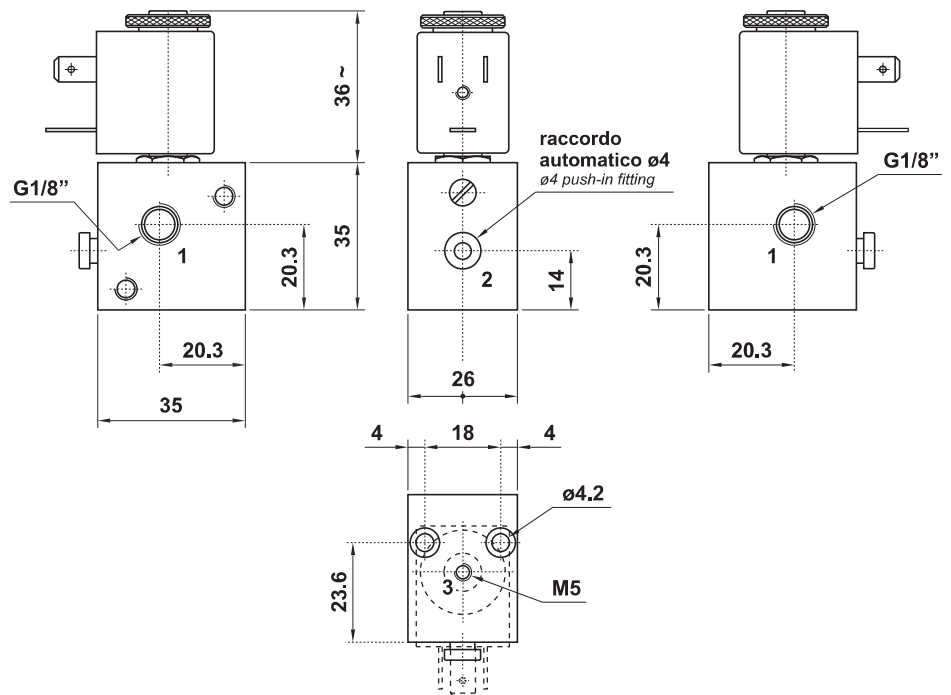
con azionatore manuale bistabile
with detented manual override

ø4

CODICE DI ORDINAZIONE - ORDER CODE

NC [NC]

00.099.3



elettropiloti su basi modulari

solenoid valves on multiple sub-bases



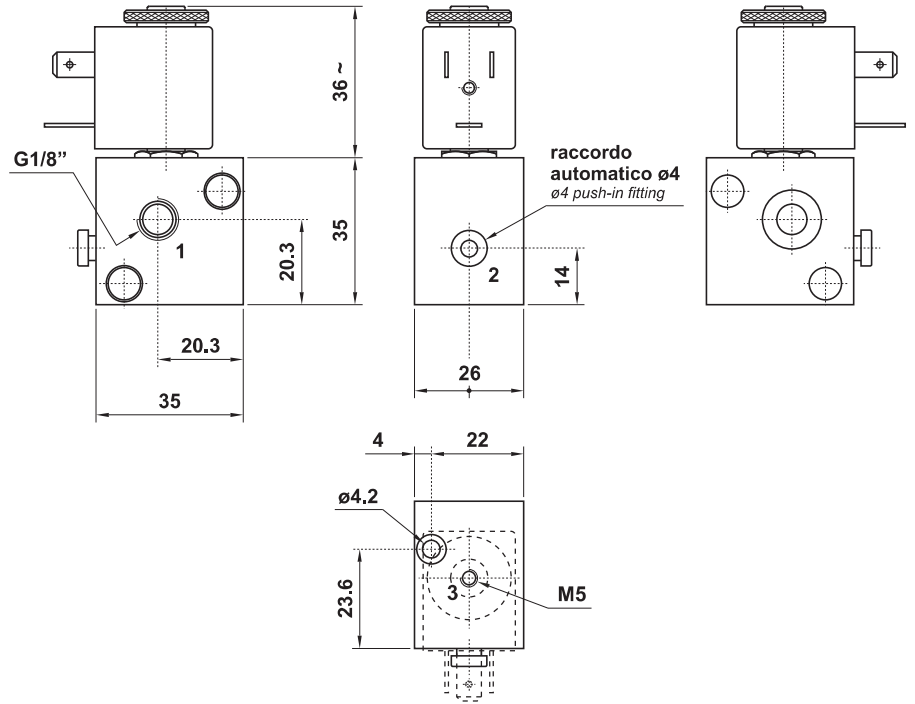
sottobase
sub-base

senza azionatore manuale
without manual override

ø4

CODICI DI ORDINAZIONE - ORDER CODES

| NC (NC) | NA (NO) |
|-----------------|-----------------|
| 00.100.3 | 00.134.3 |



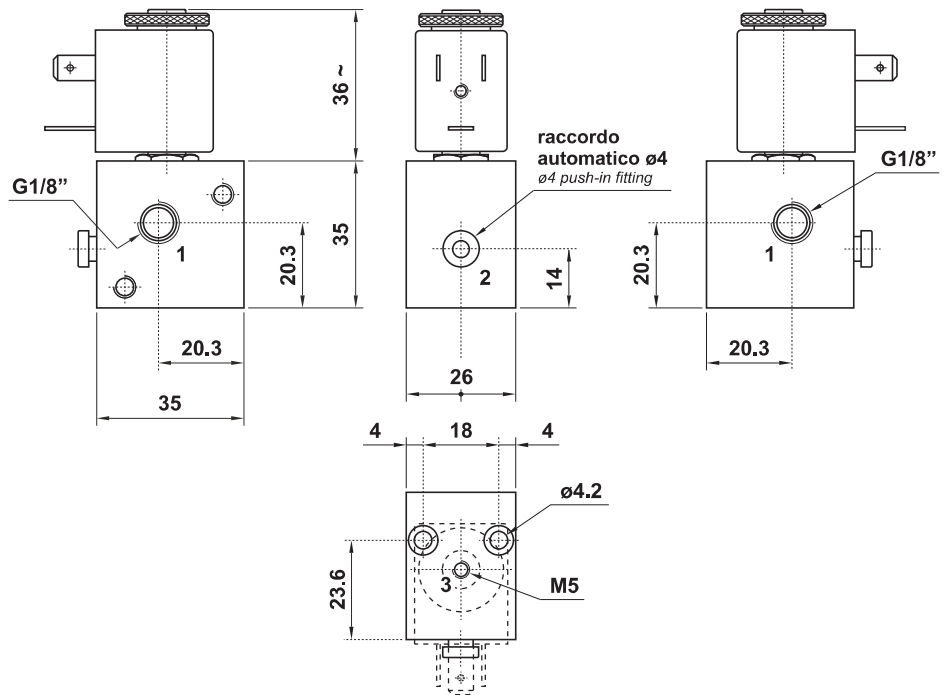
terminale
header

senza azionatore manuale
without manual override

ø4

CODICI DI ORDINAZIONE - ORDER CODES

| NC (NC) | NA (NO) |
|-----------------|-----------------|
| 00.101.3 | 00.135.3 |



elettropiloti su basi modulari

solenoid valves on multiple sub-bases



sottobase
sub-base

ATEX

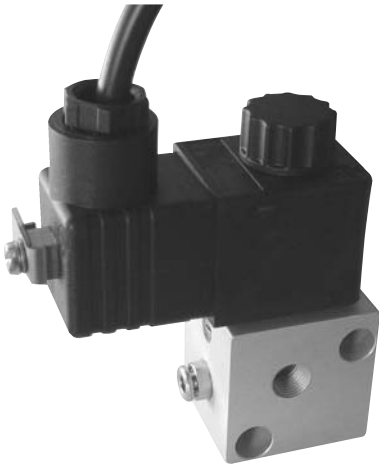
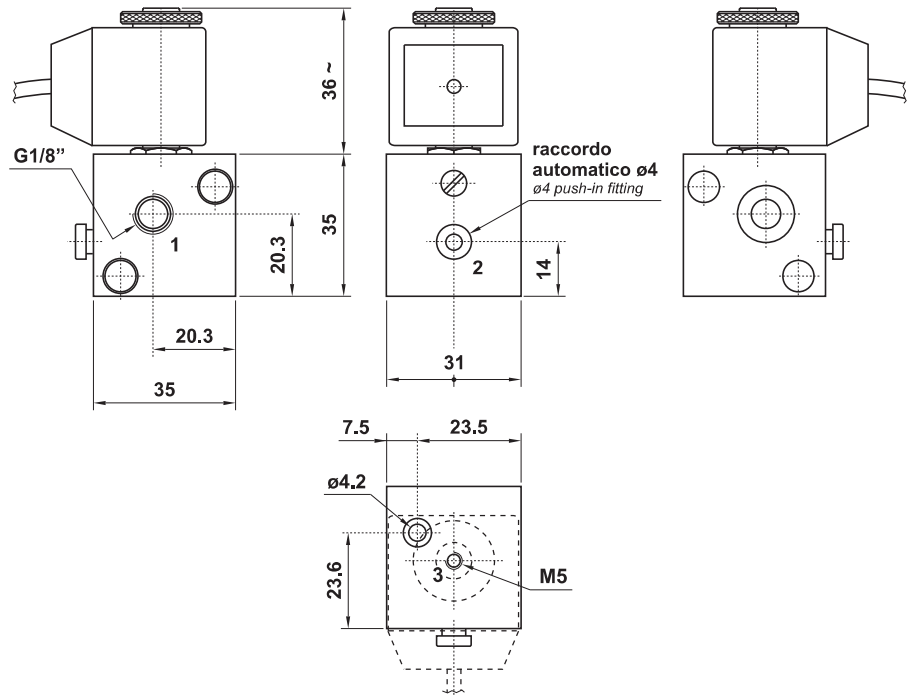
con azionatore manuale
with manual override

ø4

CODICE DI ORDINAZIONE - ORDER CODE

NC [NC]

00.104.3X



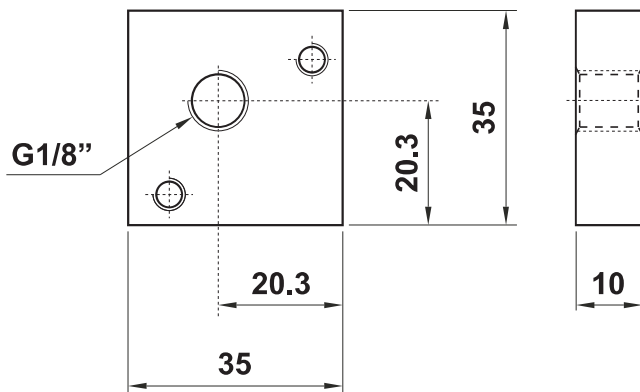
I prodotti qui indicati sono venduti senza bobine, da acquistarsi separatamente (vedi pag. 177: bobine ATEX 30 mm). Possono essere utilizzati solo come valvola 3/2 NC.

All here mentioned products are sold without coils, which are bought separately (refer to page 177: ATEX 30 mm coils). They can be used only as 3/2 NC valve.

terminale cieco
closed header

ATEX

00.360.1



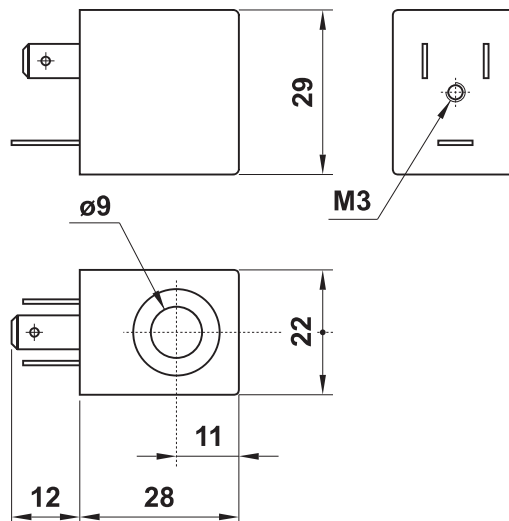
bobine e connettori 22 mm

22 mm coils and connectors



22 mm

| | | |
|---|---------|---|
| temperatura max di esercizio | +50°C | max working temperature |
| inserimento | ED 100% | duty cycle |
| protezione con connettore correttamente montato | IP 65 | protection with connector correctly mounted |
| tolleranza di tensione | ±10% | tension tolerance |



- a richiesta basso assorbimento 1.5W
low consumption (1.5W) on request

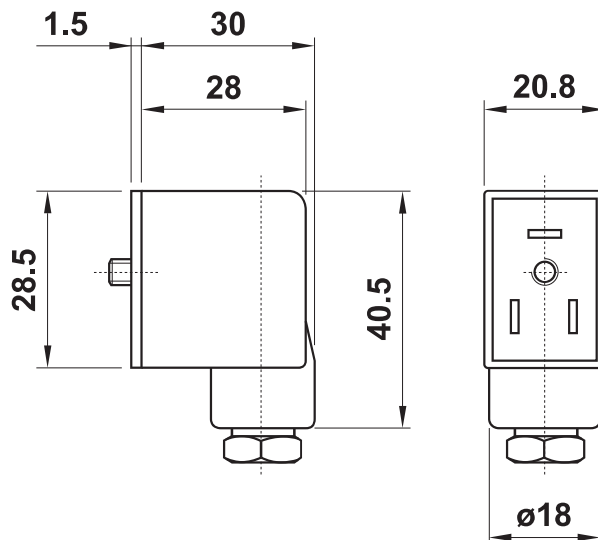
BOBINE STANDARD a norma CE

| codice code | tensione tension | consumo - power | |
|----------------|---------------------|-------------------|---------------------|
| | | a regime rated | di spunto inrush |
| 00.167.0 | 12V DC | 3W | |
| 00.028.0 | 24V DC | 3W | |
| 00.029.0 | 24V 50/60Hz | 5VA | 7.5VA |
| 00.030.0 | 110V 50/60Hz | 5VA | 7.5VA |
| 00.031.0 | 220V 50/60Hz | 5VA | 7.5VA |

BOBINE SPECIALI classe H con certificato UL

| codice code | tensione tension | consumo - power | |
|----------------|---------------------|-------------------|---------------------|
| | | a regime rated | di spunto inrush |
| 00.486.0 | 24V DC | 3W | |
| 00.487.0 | 24V 50/60Hz | 5VA | 7.5VA |
| 00.488.0 | 110V 50/60Hz | 5VA | 7.5VA |

| codice code | colore colour | cavo cable | tipo type |
|----------------|----------------------------|---------------|---|
| 00.197.0 | nero black | PG09 | normale standard |
| 00.344.0 | trasparente transparent | PG09 | con LED 24V with LED 24V |
| 00.345.0 | trasparente transparent | PG09 | con LED 24V e VDR with LED 24V and VDR |
| 00.346.0 | trasparente transparent | PG09 | con LED 115V with LED 115V |
| 00.347.0 | trasparente transparent | PG09 | con LED 115V e VDR with LED 115V and VDR |
| 00.394.0 | trasparente transparent | PG09 | con LED 230V with LED 230V |
| 00.395.0 | trasparente transparent | PG09 | con LED 230V e VDR with LED 230V and VDR |



PEZZI DI RICAMBIO - spare parts

| | |
|--|--|
| <p>canotto per elettropilota armature for solenoid pilot</p> <p>NC : 00.088.0 NA (NO) : 00.306.0</p> | <p>ghiera in alluminio e rondella aluminium nut and elastic ring</p> <p>00.125.2</p> |
| | <p>ghiera in plastica nut in plastic material</p> <p>00.186.0</p> |

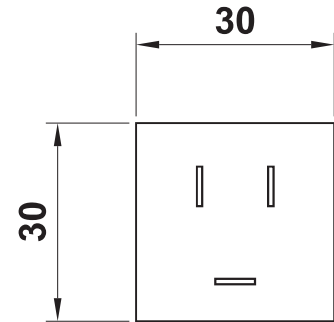
bobine e connettori 30 mm

30 mm coils and connectors

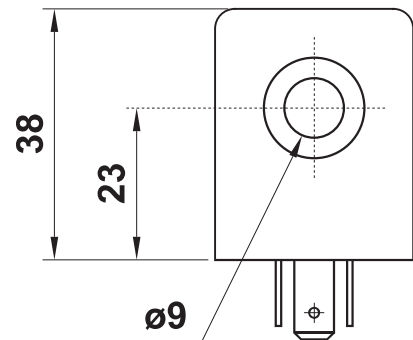


30 mm

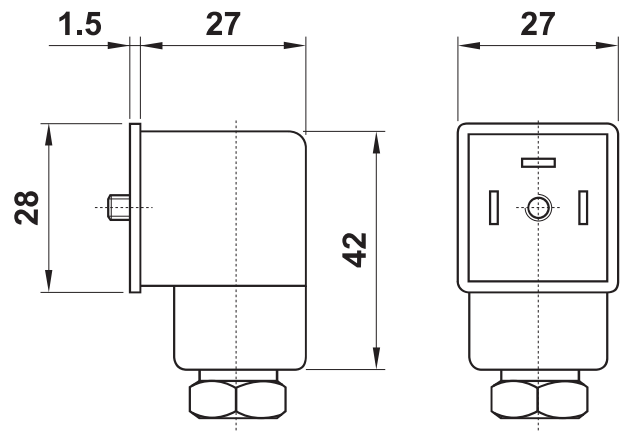
| | | |
|---|---------|---|
| temperatura max di esercizio | +50°C | max working temperature |
| inserimento | ED 100% | duty cycle |
| protezione con connettore correttamente montato | IP 65 | protection with connector correctly mounted |
| tolleranza di tensione | ±10% | tension tolerance |



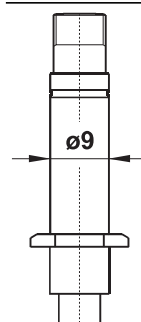
| codice code | tensione tension | consumo - power | |
|----------------|---------------------|-------------------|---------------------|
| | | a regime rated | di spunto inrush |
| 00.258.0 | 24V DC | 2W | |
| 00.259.0 | 24V 50/60Hz | 5VA | 9VA |
| 00.260.0 | 110V 50/60Hz | 5VA | 9VA |
| 00.261.0 | 220V 50/60Hz | 5VA | 9VA |



| codice code | colore colour | cavo cable | tipo type |
|----------------|----------------------------|---------------|---|
| 00.251.0 | nero black | PG09 | normale standard |
| 00.355.0 | trasparente transparent | PG09 | con LED e protezione Transil 24V with LED and Transil protection 24V |
| 00.350.0 | trasparente transparent | PG09 | con LED 115V with LED 115V |
| 00.351.0 | trasparente transparent | PG09 | con LED 115V e VDR with LED 115V and VDR |
| 00.396.0 | trasparente transparent | PG09 | con LED 230V with LED 230V |
| 00.397.0 | trasparente transparent | PG09 | con LED 230V e VDR with LED 230V and VDR |



PEZZI DI RICAMBIO - spare parts



canotto per elettropilota
armature for solenoid pilot

NC : 00.088.0
NA (NO) : 00.306.0



ghiera in alluminio e rondella
aluminium nut and elastic ring

00.125.2



ghiera in plastica
nut in plastic material

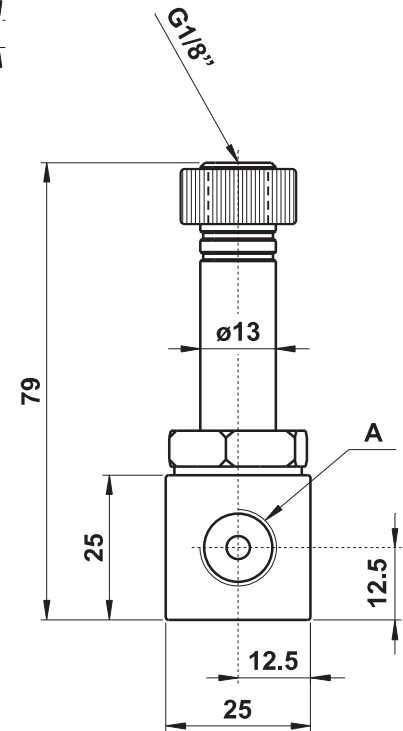
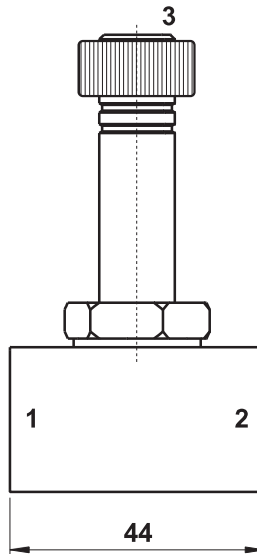
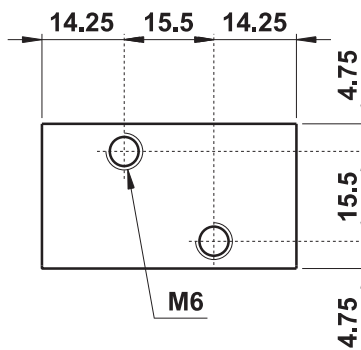
00.186.0

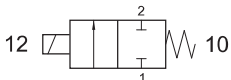
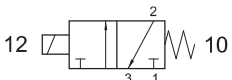
elettropiloti su base in ottone

solenoid valves on sub-base in brass



- Elettropilota singolo 2/2 e 3/2. Sottobase in ottone
2/2 and 3/2 single solenoid valve. Sub-base in brass
- Diametro dell'elettropilota: 13 mm
Diameter of solenoid armature: 13 mm
- Senza azionamento manuale
Without manual override
- Senza bobina
Without coil



| | CODICI DI ORDINAZIONE - ORDER CODES | |
|--------------|---|---|
| |  |  |
| A | 2/2 | 3/2 |
| G1/8" | 01.100.3 | 00.171.3 |
| G1/4" | 01.094.3 | 00.172.3 |
| G3/8" | 01.101.3 | 00.173.3 |

| | |
|--|---|
| Temperatura di esercizio <i>Temperature range</i> | max +60°C |
| Pressione di esercizio <i>Working pressure</i> | 0 ... 10 bar 0 ... 1 MPa |
| Diametro nominale <i>Nominal orifice</i> | 2 mm |
| Portata nominale 1-2 <i>Nominal flow rate 1-2</i> | 100 NI/min |
| Fluido <i>Fluid</i> | Aria filtrata 50µ con o senza lubrificazione <i>50µ filtered, lubricated or non lubricated air</i> |

Materiali
Corpo: ottone OT58
Elettropilota: INOX

Materials
Body: brass OT58
Solenoid armature: stainless steel

elettropiloti canotto 13 mm su basi modulari

solenoid valves with 13 mm armature on multiple sub-bases

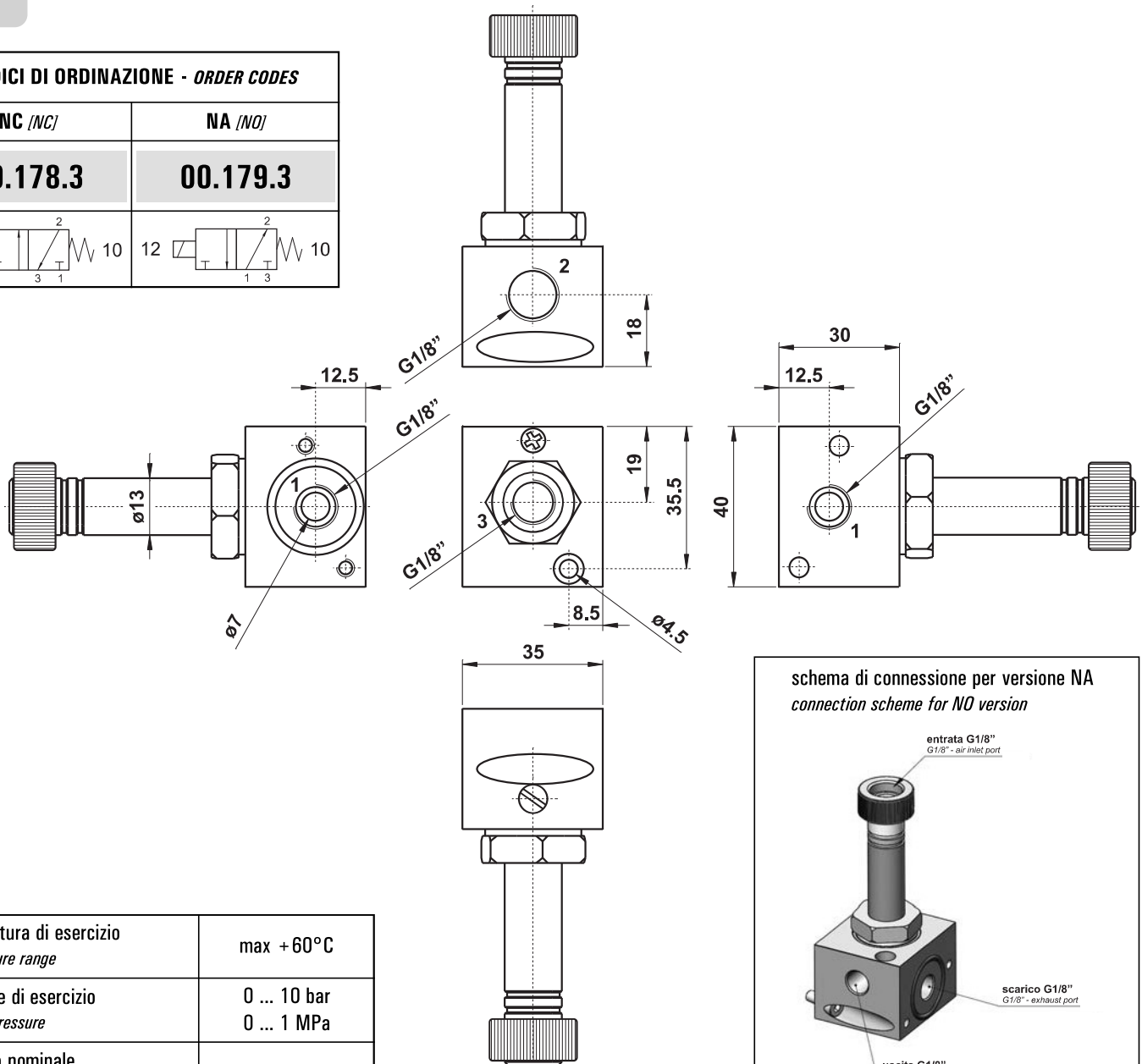


- Elettropiloti 3/2 NC e NA su sottobasi; montaggio singolo o modulare
3/2 NC and NO solenoid valves on sub-bases; single or modular installation
- Diametro dell'elettropilota: 13 mm
Diameter of solenoid armature: 13 mm
- Con azionamento manuale
With manual override
- Senza bobina
Without coil

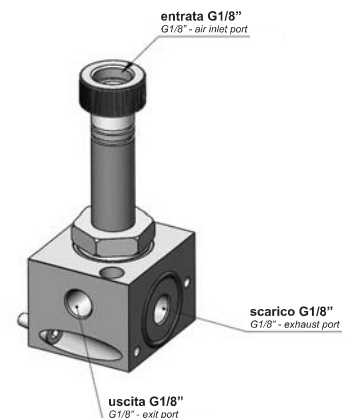


G1/8"

| CODICI DI ORDINAZIONE - ORDER CODES | |
|-------------------------------------|-----------------|
| NC (NC) | NA (NO) |
| 00.178.3 | 00.179.3 |
| | |



schema di connessione per versione NA
connection scheme for NO version



| | |
|--|---|
| Temperatura di esercizio <i>Temperature range</i> | max +60°C |
| Pressione di esercizio <i>Working pressure</i> | 0 ... 10 bar 0 ... 1 MPa |
| Diametro nominale <i>Nominal orifice</i> | 2 mm |
| Portata nominale 1-2 <i>Nominal flow rate 1-2</i> | 100 NI/min |
| Fluido <i>Fluid</i> | Aria filtrata 50µ con o senza lubrificazione <i>50µ filtered, lubricated or non lubricated air</i> |

Materiali

Corpo: alluminio 11S
Elettropilota: ottone OT58

Materials

Body: aluminium 11S
Solenoid armature: brass OT58

elettropiloti canotto 13 mm su basi modulari

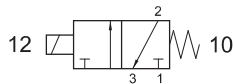
solenoid valves with 13 mm armature on multiple sub-bases



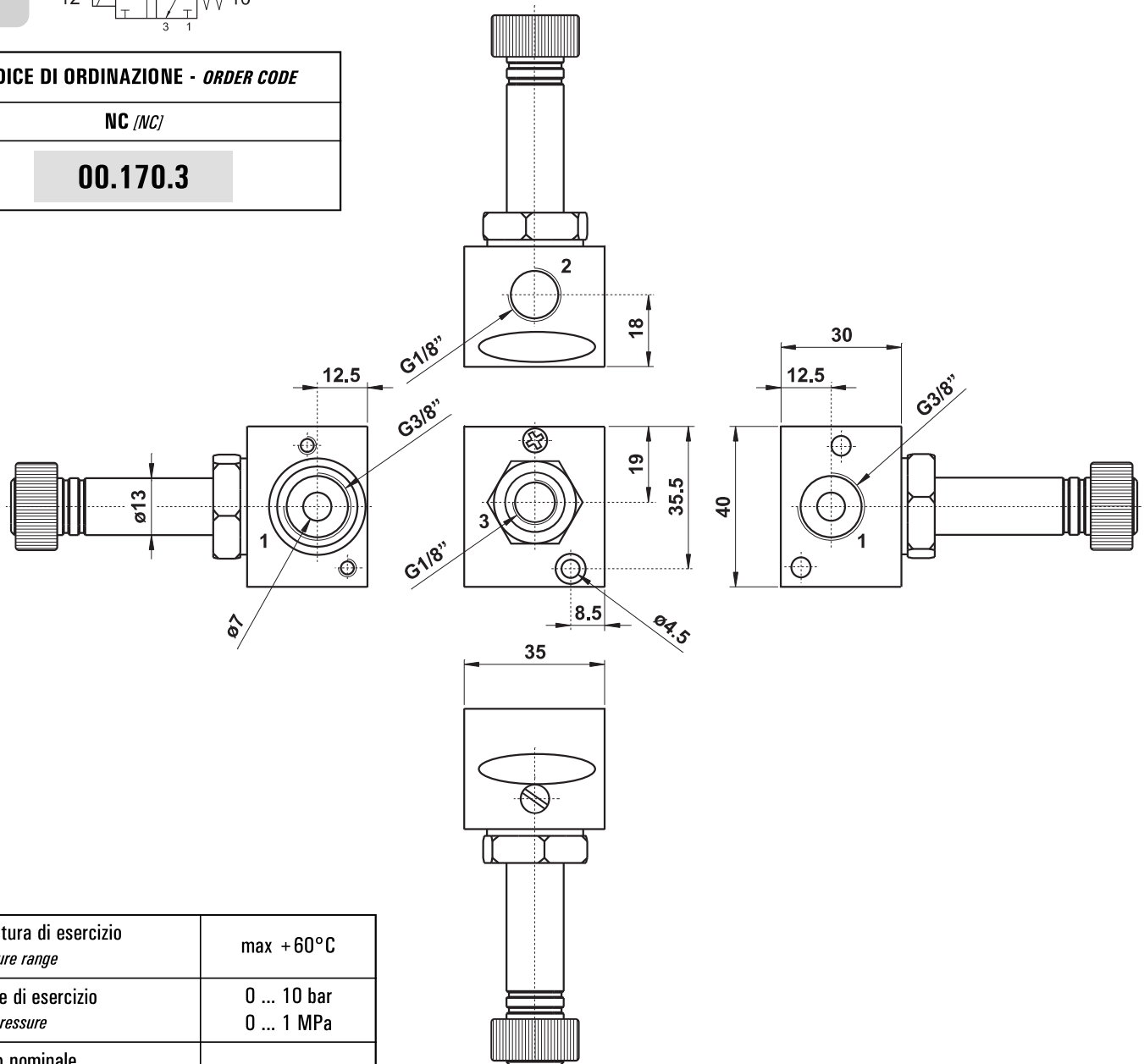
- Elettropiloti 3/2 NC su sottobasi; montaggio singolo o modulare
3/2 NC solenoid valves on sub-bases; single or modular installation
- Diametro dell'elettropilota: 13 mm
Diameter of solenoid armature: 13 mm
- Con azionamento manuale
With manual override
- Senza bobina
Without coil



G3/8"



| |
|---|
| CODICE DI ORDINAZIONE - ORDER CODE |
| NC [NC] |
| 00.170.3 |



| | |
|--|---|
| Temperatura di esercizio <i>Temperature range</i> | max +60°C |
| Pressione di esercizio <i>Working pressure</i> | 0 ... 10 bar 0 ... 1 MPa |
| Diametro nominale <i>Nominal orifice</i> | 2 mm |
| Portata nominale 1-2 <i>Nominal flow rate 1-2</i> | 100 NI/min |
| Fluido <i>Fluid</i> | Aria filtrata 50μ con o senza lubrificazione <i>50μ filtered, lubricated or non lubricated air</i> |

Materiali

Corpo: alluminio 11S
Elettropilota: ottone OT58

Materials

Body: aluminium 11S
Solenoid armature: brass OT58

bobine con canotto 13 mm

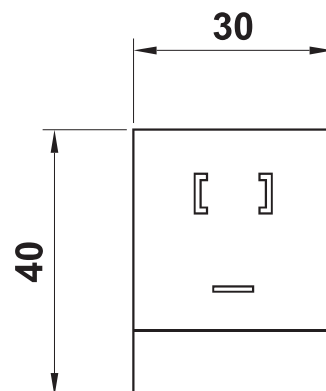
coils with 13 mm armature



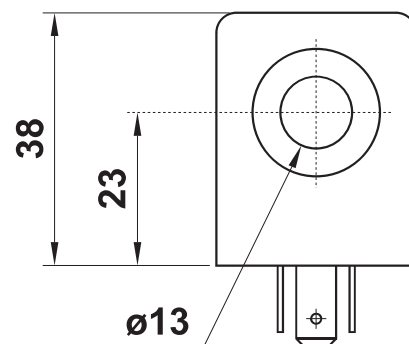
30 mm



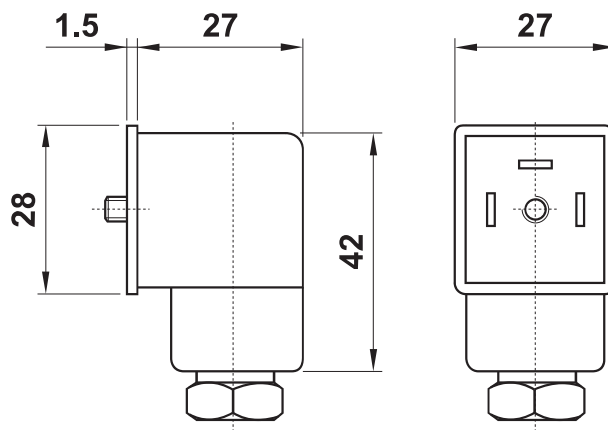
| | | |
|---|---------|---|
| temperatura max di esercizio | +50°C | max working temperature |
| inserimento | ED 100% | duty cycle |
| protezione con connettore correttamente montato | IP 65 | protection with connector correctly mounted |
| tolleranza di tensione | ±10% | tension tolerance |



| codice code | tensione tension | consumo - power | |
|----------------|---------------------|-------------------|---------------------|
| | | a regime rated | di spunto inrush |
| 00.466.0 | 12V DC | 10W | |
| 00.447.0 | 24V DC | 10W | |
| 00.448.0 | 24V 50/60Hz | 13VA | 23VA |
| 00.445.0 | 110V 50/60Hz | 13VA | 23VA |
| 00.446.0 | 220V 50/60Hz | 13VA | 23VA |



| codice code | colore colour | cavo cable | tipo type |
|----------------|----------------------------|---------------|---|
| 00.251.0 | nero black | PG09 | normale standard |
| 00.355.0 | trasparente transparent | PG09 | con LED e protezione Transil 24V with LED and Transil protection 24V |
| 00.350.0 | trasparente transparent | PG09 | con LED 115V with LED 115V |
| 00.351.0 | trasparente transparent | PG09 | con LED 115V e VDR with LED 115V and VDR |
| 00.396.0 | trasparente transparent | PG09 | con LED 230V with LED 230V |
| 00.397.0 | trasparente transparent | PG09 | con LED 230V e VDR with LED 230V and VDR |



elettropiloti sicurezza intrinseca

intrinsic safety solenoid valves



- Elettropiloti a sicurezza intrinseca

Intrinsic safety solenoid valves

Ex ia IIC T6 Ga / Ex ia IIIC T85° Da

- Adatti per ambienti potenzialmente esplosivi classe IIC e IIIC

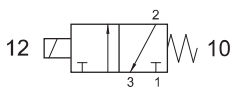
Suitable for potentially explosive environment class IIC and IIIC

- Con certificato ATEX

With ATEX certification



15 mm



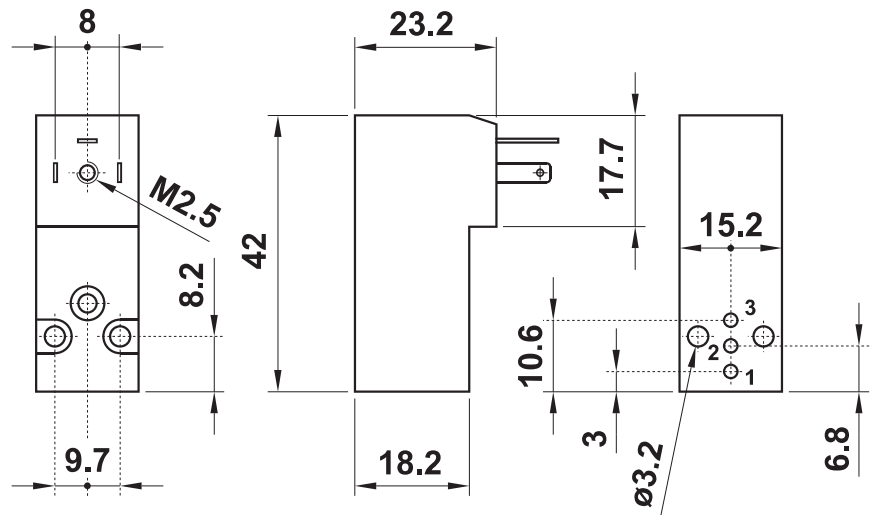
| | | |
|------------------------------|---------------------------|----------------------------------|
| funzione della valvola | 3/2 NC | <i>valve function</i> |
| diametro nominale | 0.5 mm | <i>nominal orifice</i> |
| portata 1-2 | 15 Nl/min | <i>flow rate 1-2</i> |
| portata 2-3 | 15 Nl/min | <i>flow rate 2-3</i> |
| pressione di esercizio | max 7 bar | <i>working pressure</i> |
| durata cicli | 100x10⁶ | <i>life time (cycles)</i> |
| tempo di risposta | 25 ms | <i>response time</i> |
| temperatura max di esercizio | +40°C | <i>max working temperature</i> |
| inserimento | ED 100% | <i>duty cycle</i> |
| consumo a regime | DC: 0.7W | <i>rated power consumption</i> |
| protezione con connettore | IP 65 | <i>protection with connector</i> |
| tolleranza di tensione | -10%; +25% | <i>tension tolerance</i> |

- Con azionatore manuale monostabile

With non-detented manual override

| ACCESSORI - accessories | |
|--|---|
| piastrina con guarnizione <i>mounting plate with gasket</i> |  |
| 00.414.0 | |
| vite di fissaggio (sono necessarie 2 viti) <i>mounting screw (2 screws are necessary)</i> |  |
| 00.413.0 | |

| codice <i>code</i> | tensione <i>tension</i> |
|-----------------------|----------------------------|
| 00.379.0 | 24V DC |



Le bobine ATEX devono essere utilizzate esclusivamente con prodotti ATEX (vedi pag. 928-935).
ATEX coils should be used only with ATEX products (refer to pages 928-935).

bobine antideflagranti

explosion proof coils



- Bobine antideflagranti a norma ATEX
Explosion proof coils according to ATEX norm
II 3G Ex nA IIC Tx Gc / II 3D Ex tc IIIC Tx°C Dc
- Adatte per ambienti potenzialmente esplosivi categoria 3G e 3D
Suitable for potentially explosive environment category 3G and 3D
- Con certificato ATEX
With ATEX certification

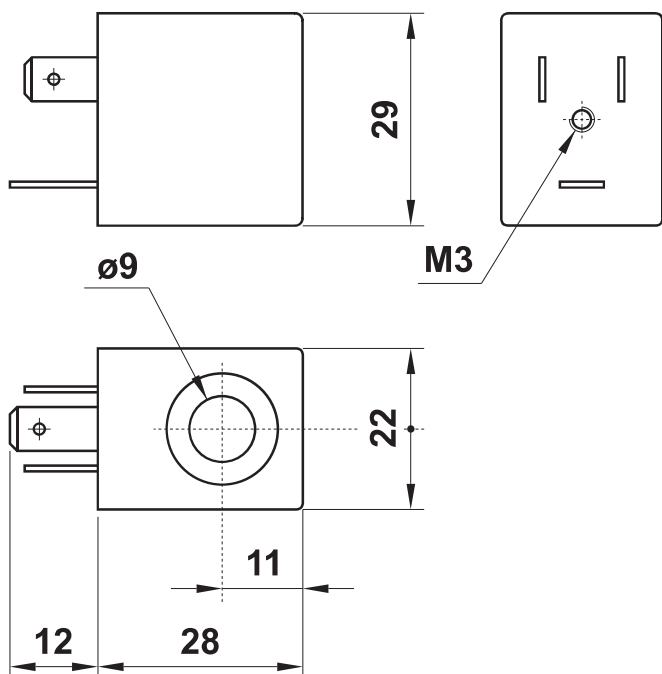


22 mm



| | | |
|------------------------------|----------------|----------------------------------|
| temperatura max di esercizio | +50°C | <i>max working temperature</i> |
| inserimento | ED 100% | <i>duty cycle</i> |
| protezione con connettore | IP 65 | <i>protection with connector</i> |
| tolleranza sulla tensione | ±10% | <i>tension tolerance</i> |

| modello <i>model</i> | tensione <i>tension</i> | consumo <i>power</i> |
|-------------------------|----------------------------|-------------------------|
| 00.470.OX | 24V DC | 6.5W |
| 00.476.OX | 24V 50/60Hz | 8.5VA |
| 00.477.OX | 110V 50/60Hz | 8.5VA |



Le bobine ATEX devono essere utilizzate esclusivamente con prodotti ATEX (vedi pag. 928-935).
ATEX coils should be used only with ATEX products (refer to pages 928-935).

bobine antideflagranti

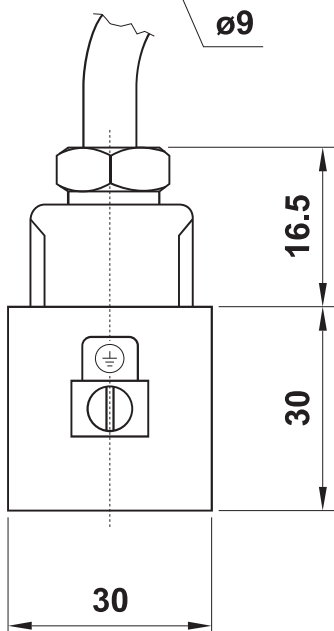
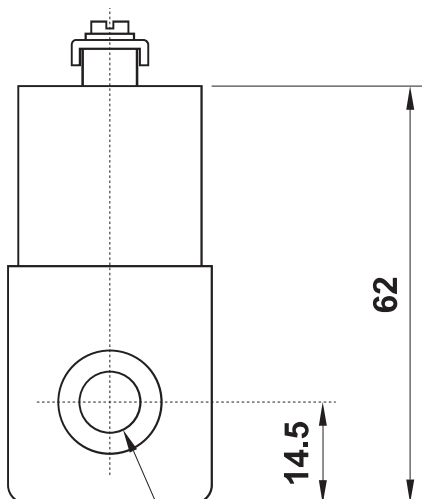
explosion proof coils



- Bobine antideflagranti EExm II T5 T4 a norma EN 50014 - EN 50028
EExm II T5 T4 explosion proof coils according to EN 50014 - EN 50028
- Adatte per ambienti potenzialmente esplosivi classe II
Suitable for potentially explosive environment class II
- Con certificato ATEX
With ATEX certification
- Dotate di cavo da 3 o 5 metri
With 3 or 5 metres cable



30 mm



| | | |
|------------------------------|---------|-------------------------|
| temperatura max di esercizio | +50°C | max working temperature |
| inserimento | ED 100% | duty cycle |
| consumo | 3W | power consumption |
| tolleranza sulla tensione | ±10% | tension tolerance |

| modello model | tensione tension | lunghezza cavo cable length |
|------------------|---------------------|--------------------------------|
| 00.284.OX | 24V DC | 3 m |
| 00.305.OX | 24V DC | 5 m |
| 00.332.OX | 24V 50/60Hz | 3 m |
| 00.393.OX | 24V 50/60Hz | 5 m |
| 00.333.OX | 110V 50/60Hz | 3 m |
| 00.336.OX | 110V 50/60Hz | 5 m |
| 00.392.OX | 220V 50/60Hz | 3 m |
| 00.370.OX | 220V 50/60Hz | 5 m |

Le bobine ATEX devono essere utilizzate esclusivamente con prodotti ATEX (vedi pag. 928-935).
ATEX coils should be used only with ATEX products (refer to pages 928-935).

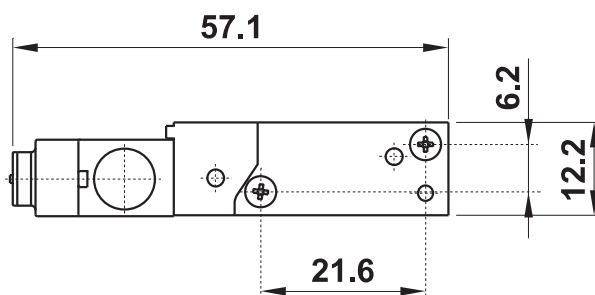
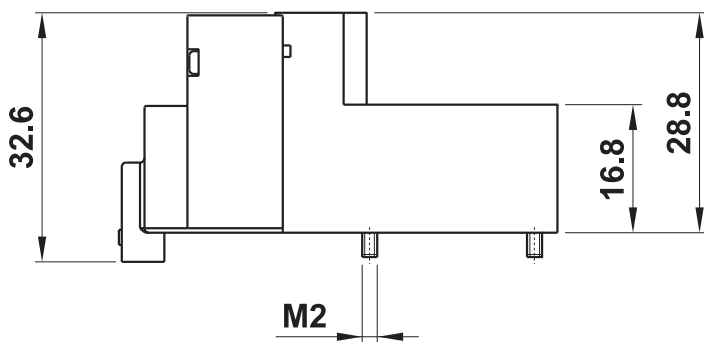
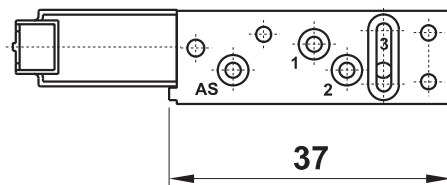
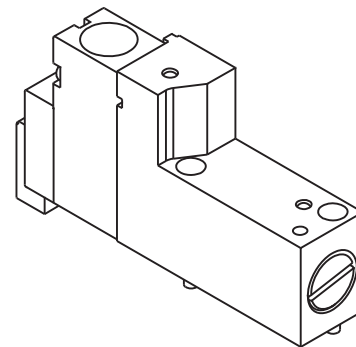


valvola 630 ME AS e sottobasi

valve 630 ME AS and sub-bases



- Valvola 3/2 a atturatore a comando elettrico, con attacchi in base
3/2 poppet valve, solenoid actuated, with connections on sub-base
- Comandi elettrici con azionamento manuale
Solenoid pilots with manual override
- Protezione elettrica IP 40
Electrical protection IP 40
- Potenza 0.5 ... 1W; tensione 24V DC
Power 0.5 ... 1W; tension 24V DC
- Entrata e scarichi: G1/8"; uscite: M5
Air supply and exhaust ports: G1/8"; exit port: M5



CODICE DI ORDINAZIONE
ORDER CODE

630 ME AS

05.254.4

Materiali

Corpo: alluminio 11S

Molla: INOX

Guarnizioni: NBR

Parti interne: ottone OT58

Materials

Body: aluminium 11S

Spring: stainless steel

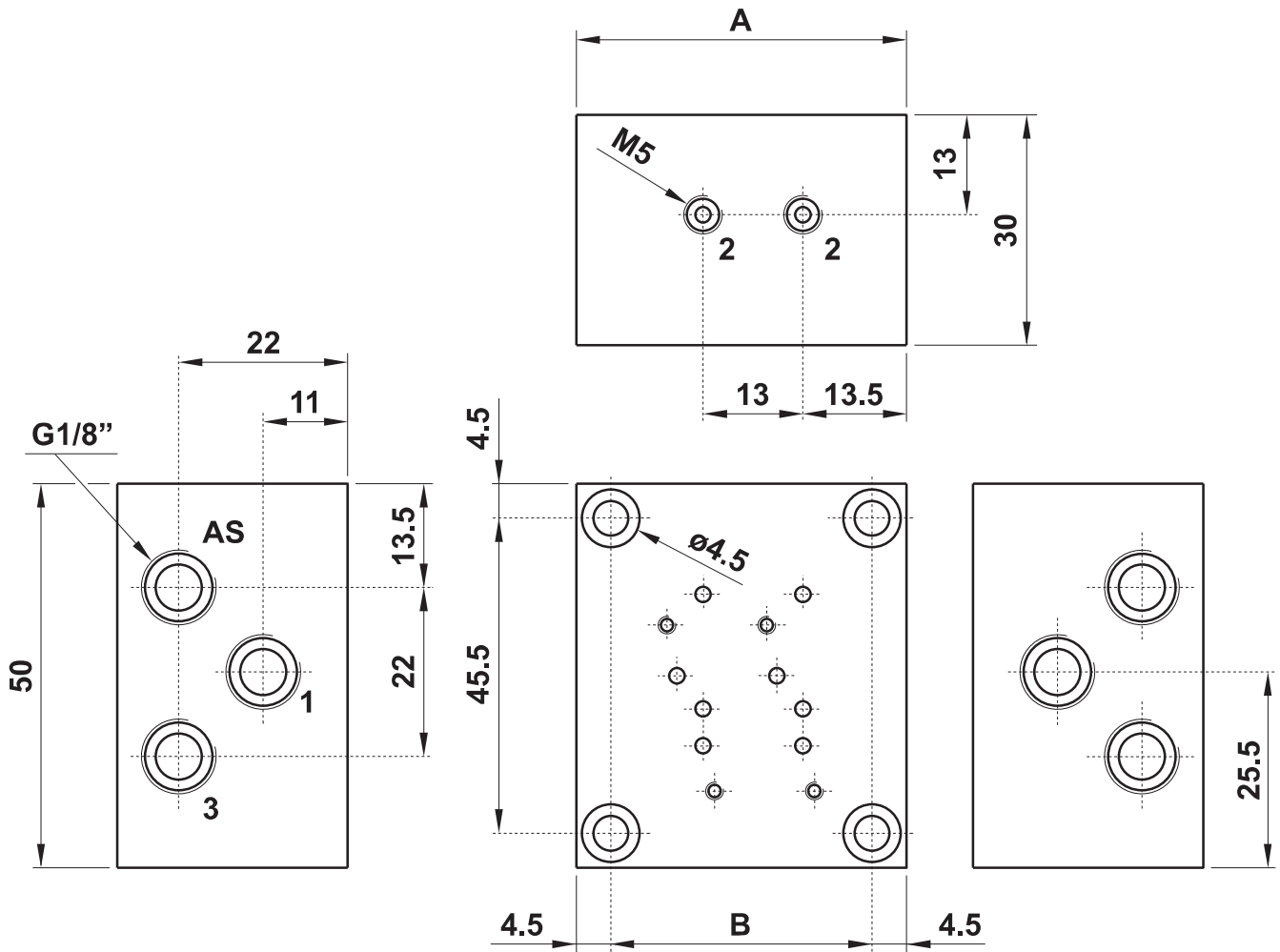
Seals: NBR

Internal parts: brass OT58

| | |
|--|---|
| Diametro nominale <i>Nominal orifice</i> | 2 mm |
| Portata nominale a 6 bar, Δp 1 bar <i>Nominal flow rate at 6 bar, Δp 1 bar</i> | 100 NI/min |
| Temperatura di esercizio <i>Temperature range</i> | -5 ... +60°C |
| Pressione di esercizio <i>Working pressure</i> | -0.9 ... 10 bar -0.09 ... 1 MPa |
| Pressione di azionamento (per alimentazione separata) <i>Actuating pressure (for separate air supply)</i> | 6 ... 7 bar 0.6 ... 0.7 MPa |
| Fluido <i>Fluid</i> | Aria filtrata 5 μ con o senza lubrificazione <i>5μ filtered, lubricated or non lubricated air</i> |

valvola 630 ME AS e sottobasi

valve 630 ME AS and sub-bases



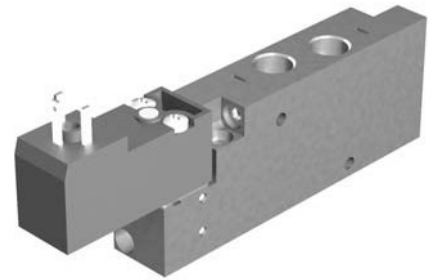
| modello model | nr. posiz. no. stations | A | B |
|------------------|----------------------------|-----|-----|
| 05.200.1 | 1 | 30 | 21 |
| 05.201.1 | 2 | 43 | 34 |
| 05.202.1 | 4 | 69 | 60 |
| 05.203.1 | 6 | 95 | 86 |
| 05.204.1 | 8 | 121 | 112 |

valvole 16 mm ad azion. elettropneumatico

solenoid actuated valves - 16 mm



- Valvole a spola 5/2 con attacchi filettati M5 o G1/8"
5/2 spool valves with M5 or G1/8" threaded ports
- Comandi elettrici 15 mm con azionamento manuale
Solenoid pilots 15 mm with manual override
- Entrata e uscite: M5 o G1/8"; scarichi: M5
Air supply and exit ports: M5 or G1/8"; exhaust ports: M5
- Sottobasi modulari (pag. 258-259) e sottobasi a posti fissi (pag. 187)
Multiple sub-bases (page 258-259) and manifolds (page 187)



Materiali

Corpo: alluminio 11S

Molle: INOX

Guarnizioni: NBR

Spola: alluminio nichelato

Parti interne: ottone OT58

Materials

Body: aluminium 11S

Springs: stainless steel

Seals: NBR

Spool: nickel plated aluminium

Internal parts: brass OT58

| | | | |
|--|--|---|---|
| Diametro nominale <i>Nominal orifice</i> | | 4 mm | |
| Portata nominale a 6 bar, Δp 1 bar <i>Nominal flow rate at 6 bar, Δp 1 bar</i> | | M5: 320 NI/min G1/8": 350 NI/min | |
| Temperatura di esercizio <i>Temperature range</i> | | -5 ... +60°C | |
| Pressione di esercizio <i>Working pressure</i> | al. interna monost. [<i>monost. internal air supply</i>] | al. interna bist. [<i>bi-stable internal air supply</i>] | alim. separata [<i>separate air supply</i>] |
| | 2.5 ... 10 bar 0.25 ... 1 MPa | 2.5 ... 10 bar 0.25 ... 1 MPa | -0.9 ... 10 bar -0.09 ... 1 MPa |
| Pressione di azionamento (per alimentazione separata) <i>Actuating pressure (for separate air supply)</i> | | monostabile [<i>mono-stable</i>] | bistabile [<i>bi-stable</i>] |
| | | 2.5 ... 10 bar 0.25 ... 1 MPa | 2.5 ... 10 bar 0.25 ... 1 MPa |
| Fluido <i>Fluid</i> | | Aria filtrata 5 μ con o senza lubrificazione <i>5μ filtered, lubricated or non lubricated air</i> | |

valvole 16 mm ad azion. elettropneumatico

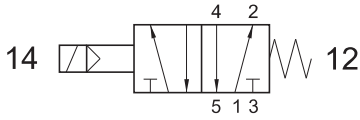
solenoid actuated valves - 16 mm



455 ME xx

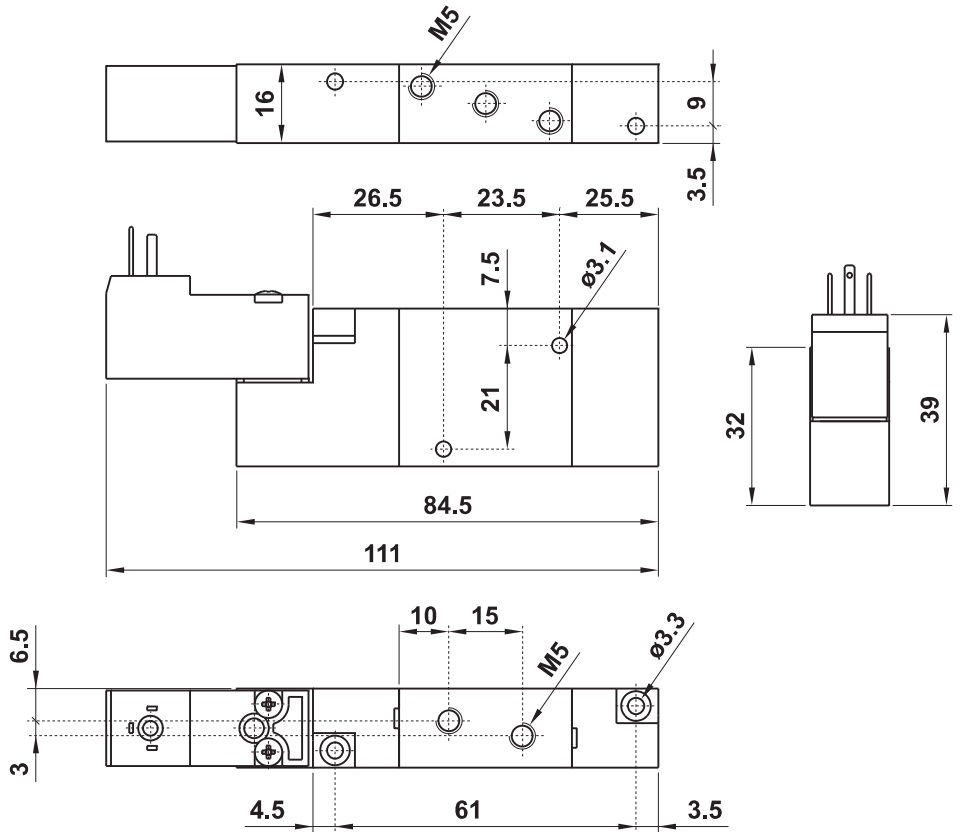
5/2 M5 comando elettrico - ritorno a molla

5/2 M5 solenoid pilot - spring return



Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

24V DC 01
24V 50/60Hz 02



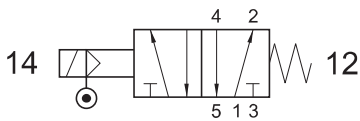
455 ME AS xx

5/2 M5 comando elettrico alimentazione separata - ritorno a molla

5/2 M5 solenoid pilot with separate air supply - spring return

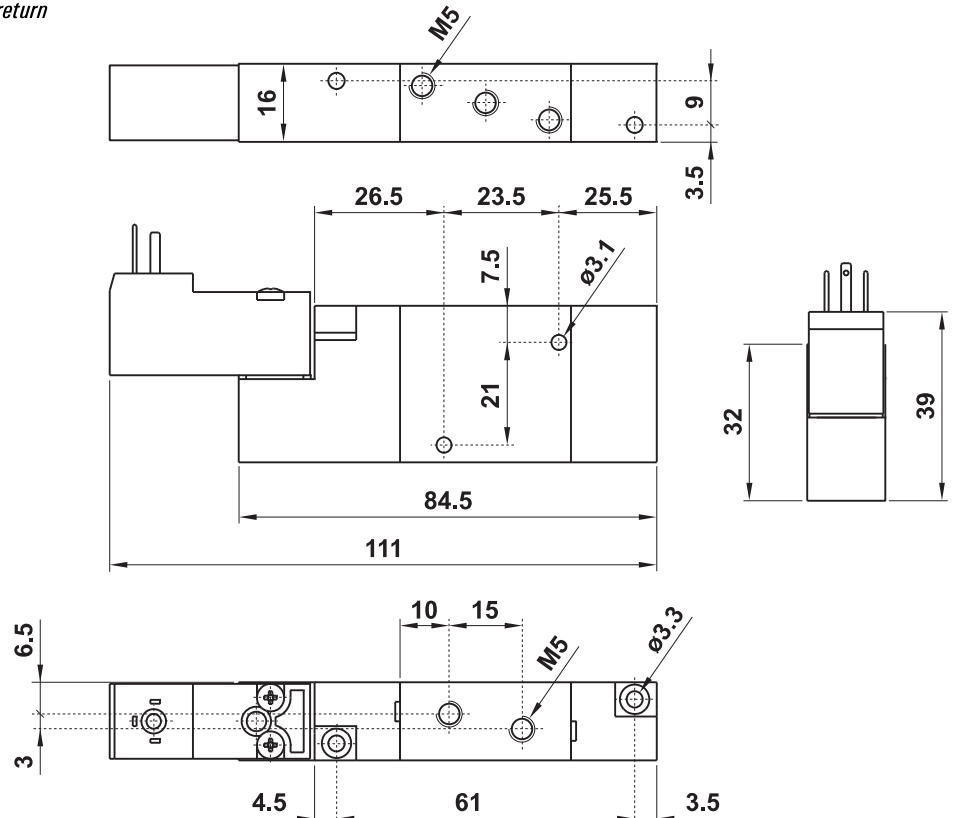
L'alimentazione separata funziona solo se la valvola è montata su sottobase modulare

The separate air supply works only if the valve is mounted on modular sub-base



Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

24V DC 01
24V 50/60Hz 02



valvole 16 mm ad azion. elettropneumatico

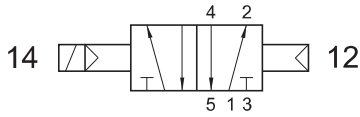
solenoid actuated valves - 16 mm



455 CE xx

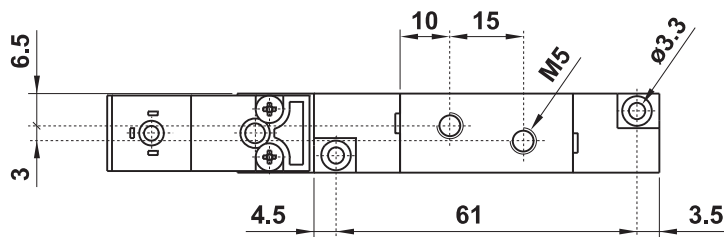
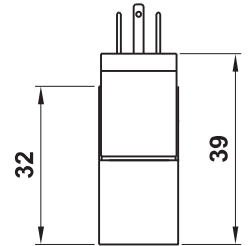
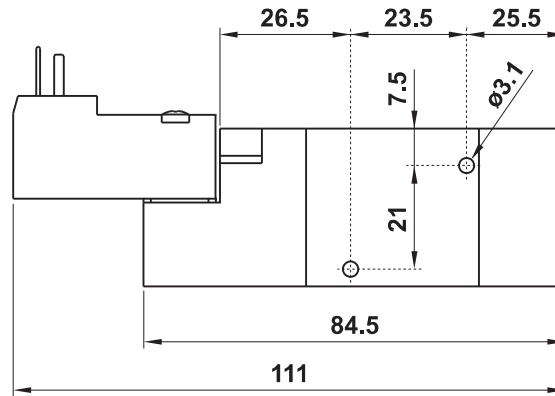
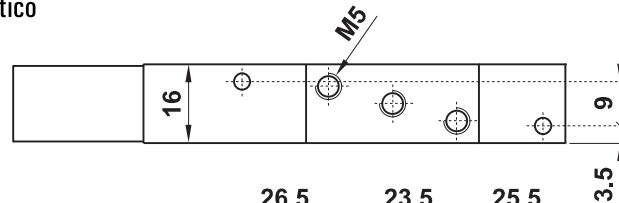
5/2 M5 comando elettrico - ritorno a comando pneumatico

5/2 M5 solenoid pilot - separate pneumatically piloted return



Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

| | |
|-------------|----|
| 24V DC | 01 |
| 24V 50/60Hz | 02 |



valvole 16 mm ad azion. elettropneumatico

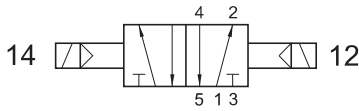
solenoid actuated valves - 16 mm



455 EE xx

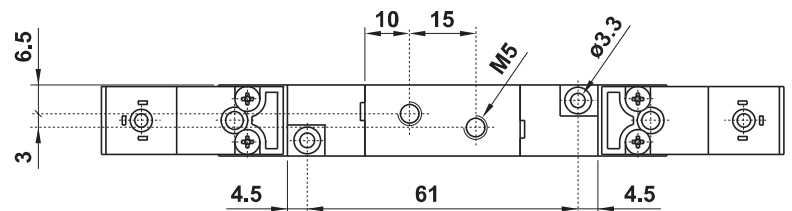
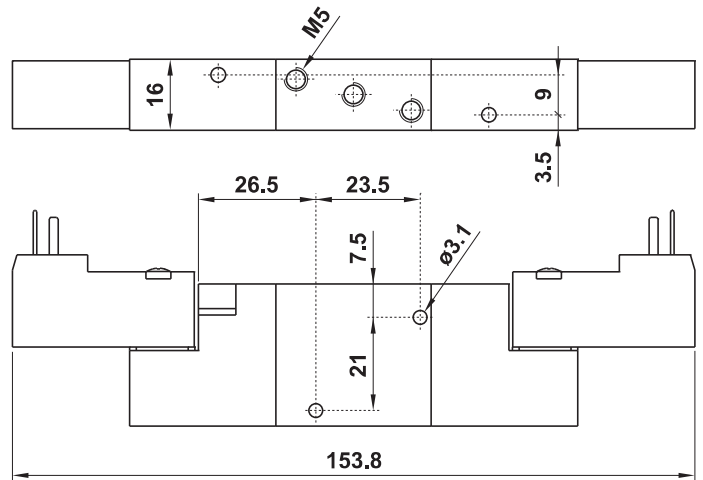
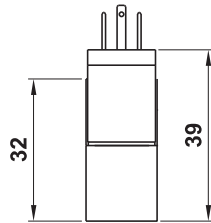
5/2 M5 doppio comando elettrico

5/2 M5 double solenoid pilot



Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

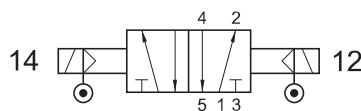
| | |
|-------------|----|
| 24V DC | 01 |
| 24V 50/60Hz | 02 |



455 EE AS xx

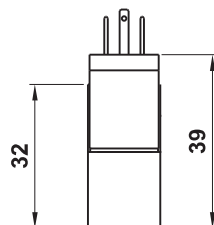
5/2 M5 doppio comando elettrico alimentazione separata

5/2 M5 double solenoid pilot with separate air supply



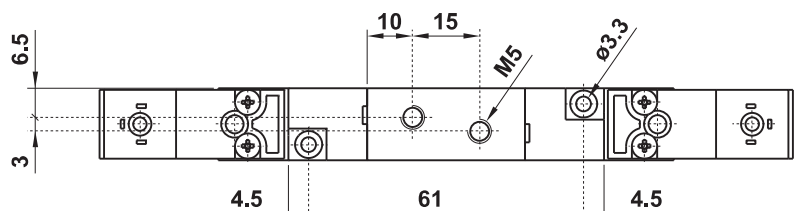
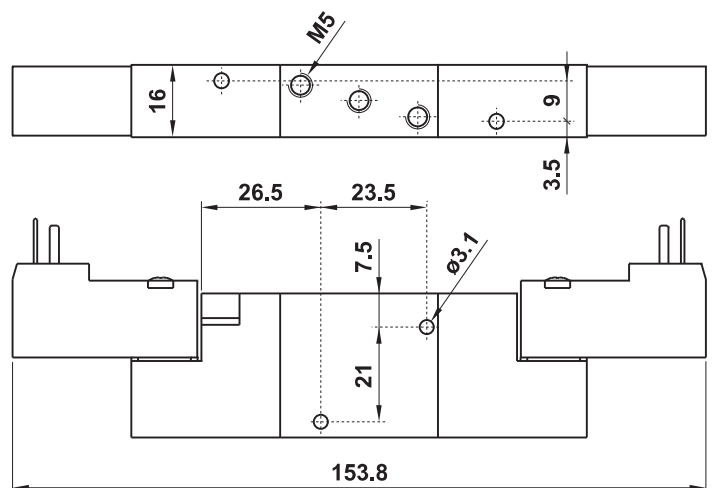
Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

| | |
|-------------|----|
| 24V DC | 01 |
| 24V 50/60Hz | 02 |



L'alimentazione separata funziona solo se la valvola è montata su sottobase modulare

The separate air supply works only if the valve is mounted on modular sub-base



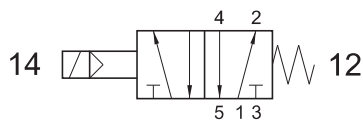
valvole 16 mm ad azion. elettropneumatico

solenoid actuated valves - 16 mm



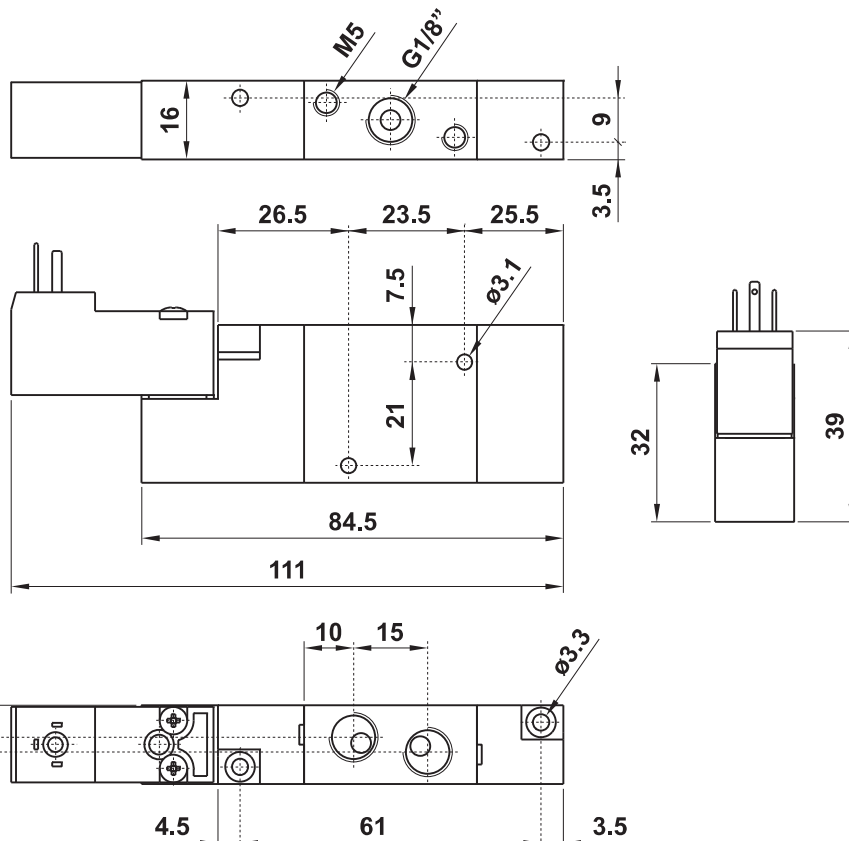
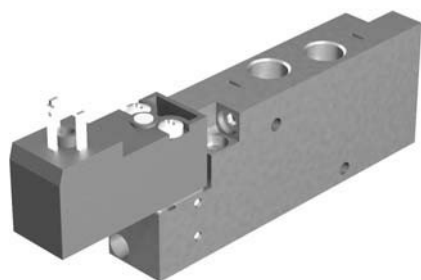
451 ME xx

5/2 1/8" comando elettrico - ritorno a molla
5/2 1/8" solenoid pilot - spring return



Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

| | |
|-------------|----|
| 24V DC | 01 |
| 24V 50/60Hz | 02 |

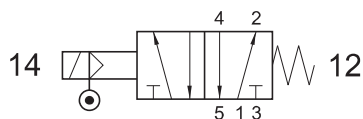


451 ME AS xx

5/2 1/8" comando elettrico alimentazione separata - ritorno a molla
5/2 1/8" solenoid pilot with separate air supply - spring return

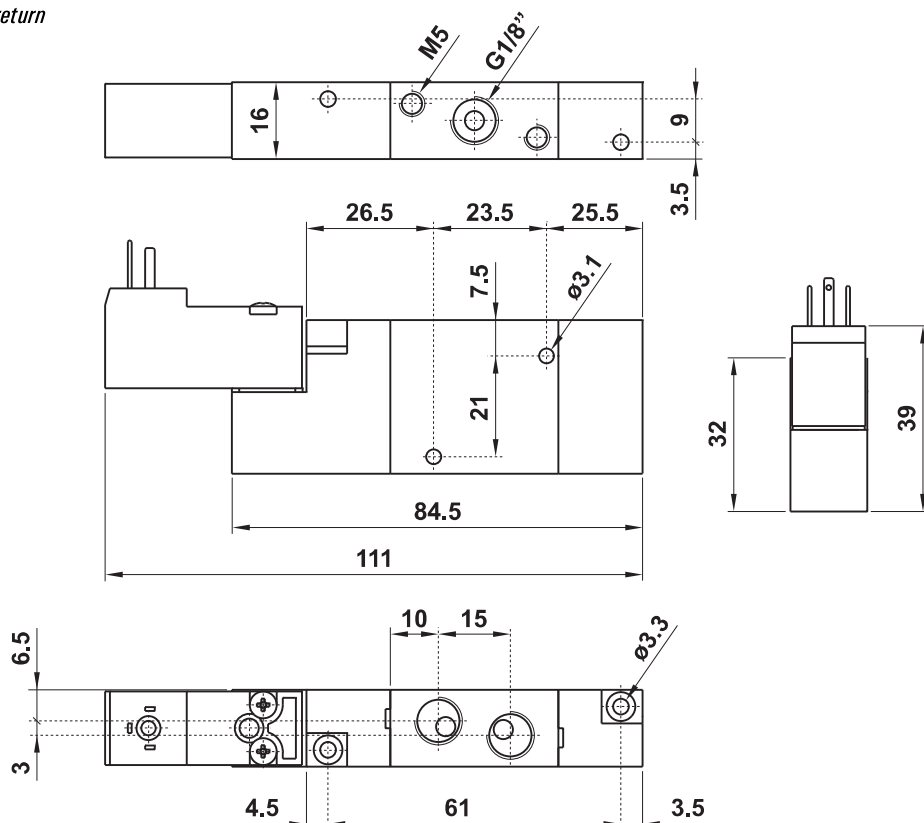
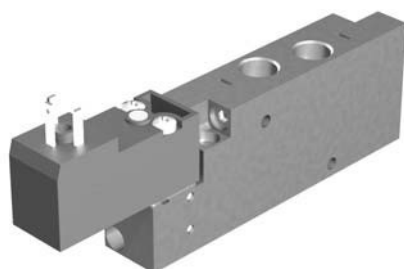
L'alimentazione separata funziona solo se la valvola è montata su sottobase modulare

The separate air supply works only if the valve is mounted on modular sub-base



Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

| | |
|-------------|----|
| 24V DC | 01 |
| 24V 50/60Hz | 02 |



valvole 16 mm ad azion. elettropneumatico

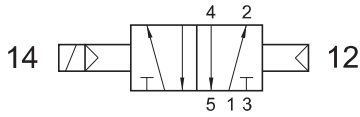
solenoid actuated valves - 16 mm



451 CE xx

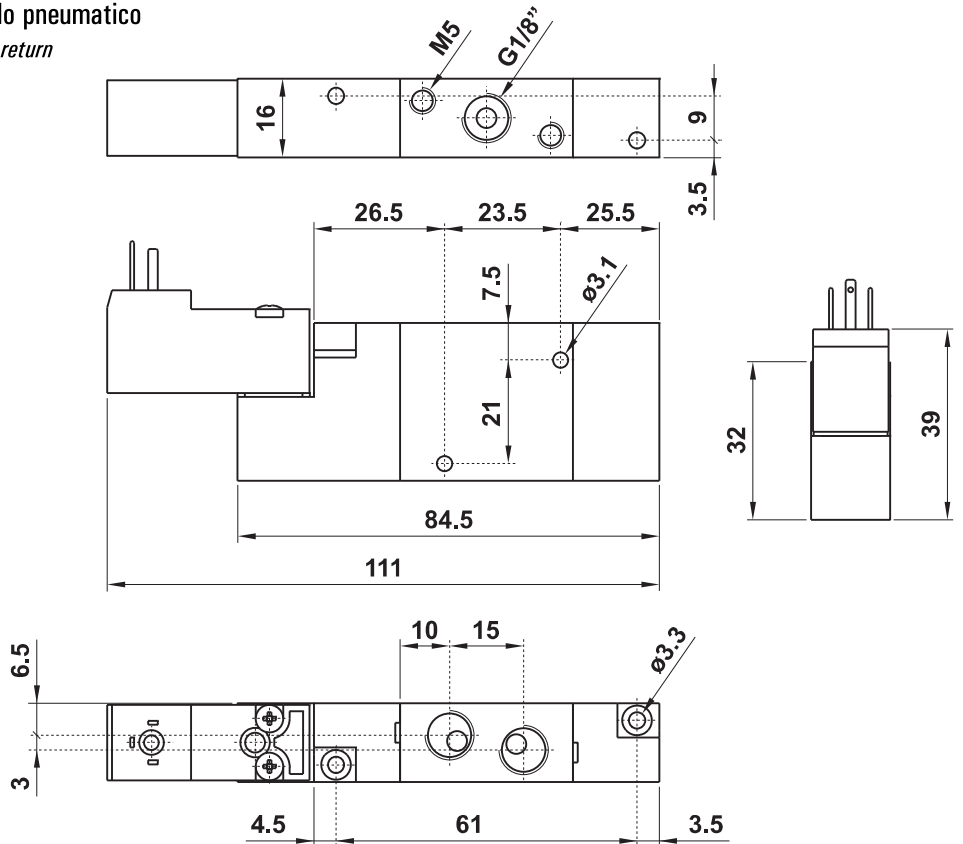
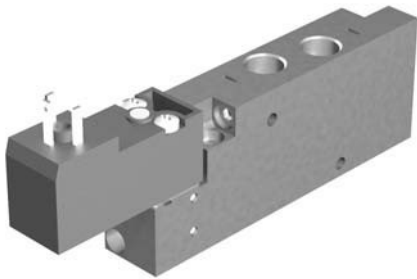
5/2 1/8" comando elettrico - ritorno a comando pneumatico

5/2 1/8" solenoid pilot - separate pneumatically piloted return



Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

| | |
|-------------|----|
| 24V DC | 01 |
| 24V 50/60Hz | 02 |



valvole 16 mm ad azion. elettropneumatico

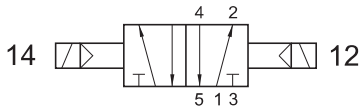
solenoid actuated valves - 16 mm



451 EE xx

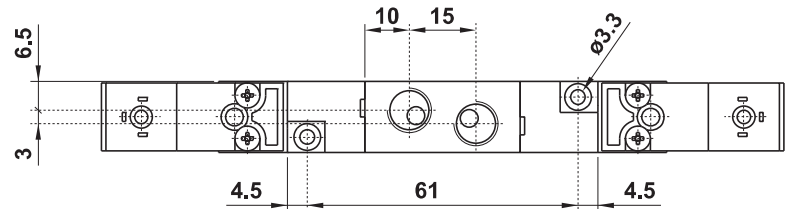
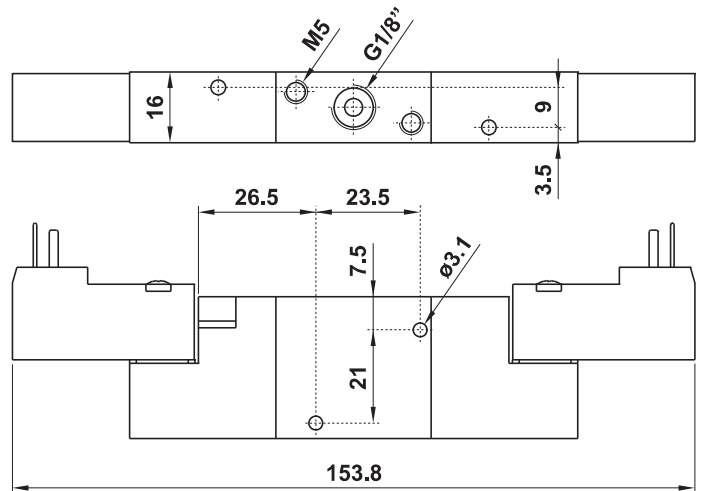
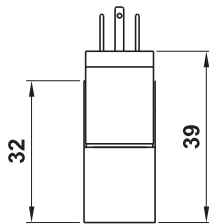
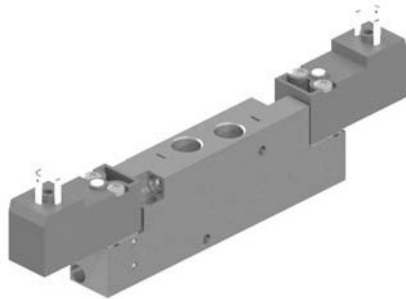
5/2 1/8" doppio comando elettrico

5/2 1/8" double solenoid pilot



Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

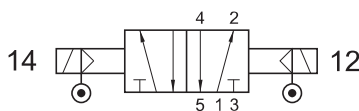
| | |
|-------------|----|
| 24V DC | 01 |
| 24V 50/60Hz | 02 |



451 EE AS xx

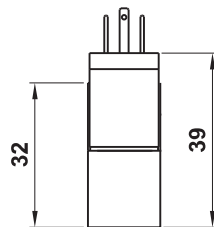
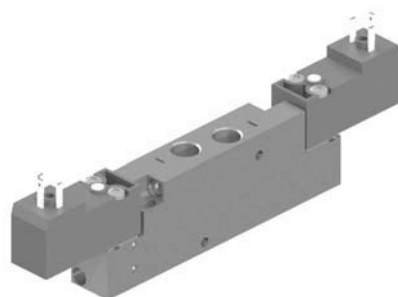
5/2 1/8" doppio comando elettrico alimentazione separata

5/2 1/8" double solenoid pilot with separate air supply



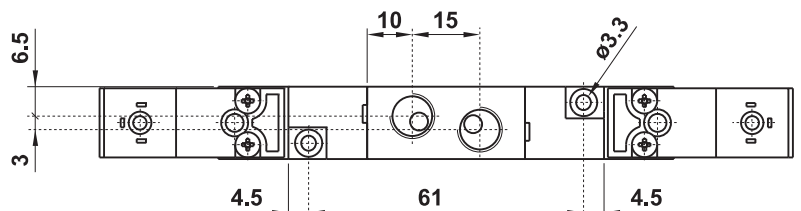
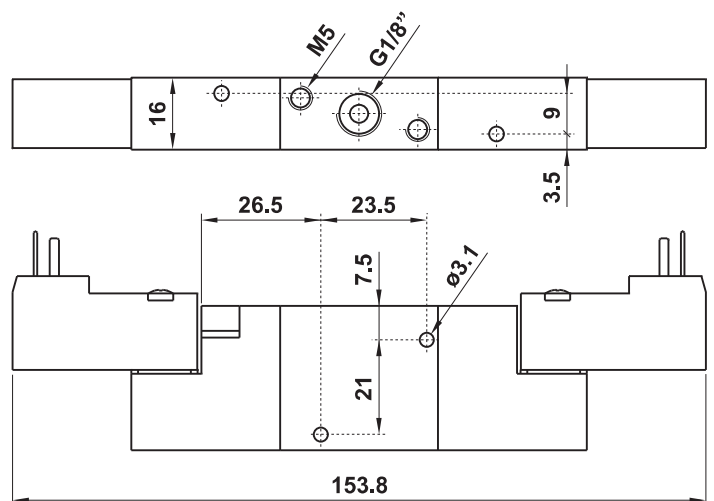
Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

| | |
|-------------|----|
| 24V DC | 01 |
| 24V 50/60Hz | 02 |



L'alimentazione separata funziona solo se la valvola è montata su sottobase modulare

The separate air supply works only if the valve is mounted on modular sub-base

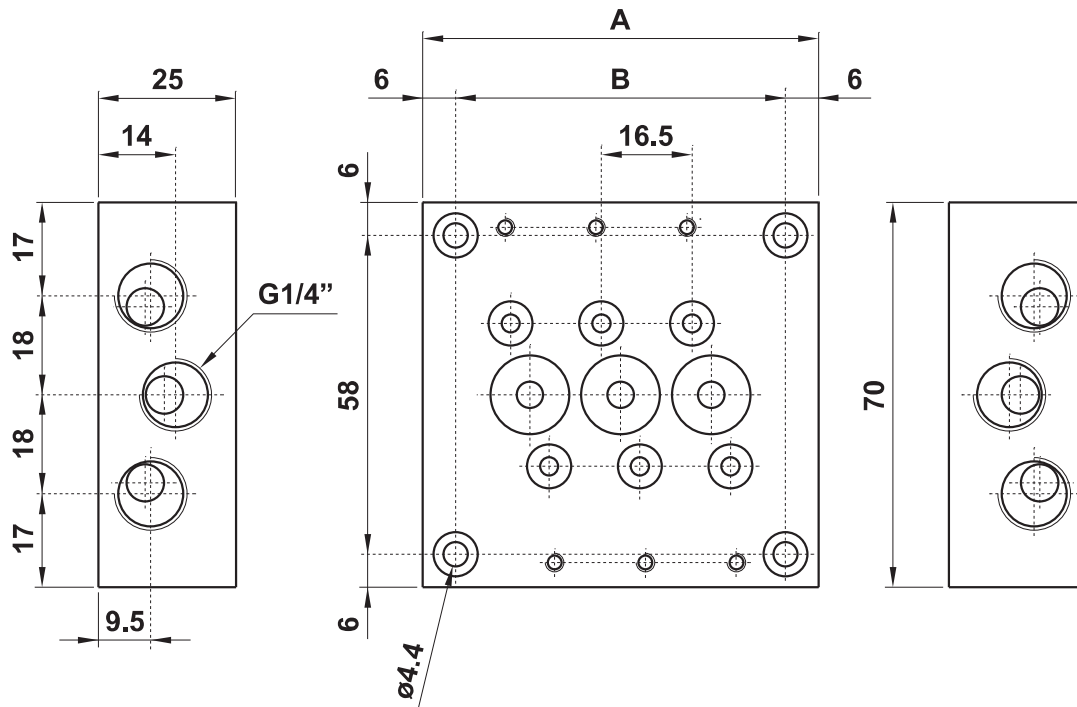
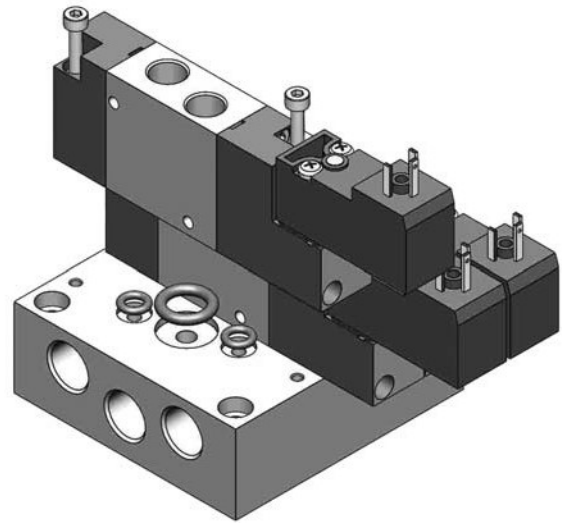


sottobasi per elettrovalvole 16 mm

manifolds for 16 mm solenoid valves



- Scarichi convogliati
Common exhaust
- Materiale: alluminio anodizzato
Material: aluminium (anodize treatment)
- Non utilizzabili per valvole alimentazione separata
Not suitable for valves with separate air supply
- Sottobasi speciali a richiesta
Special manifolds on request



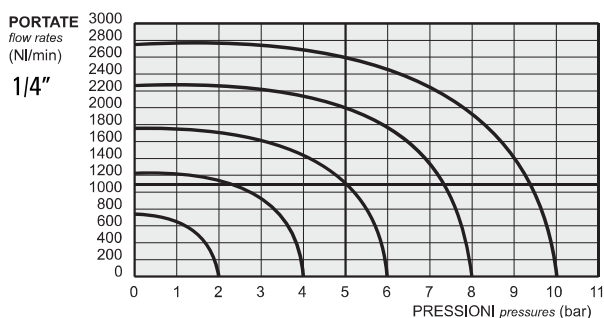
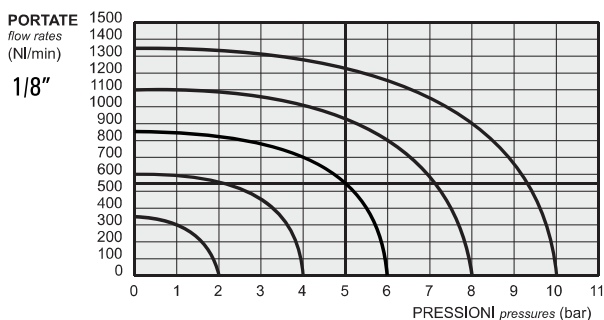
| modello model | nr. posiz. no. stations | A | B |
|------------------|----------------------------|-------|-------|
| 05.082.2 | 2 | 55.5 | 43.5 |
| 05.083.2 | 3 | 72 | 60 |
| 05.084.2 | 4 | 88.5 | 76.5 |
| 05.085.2 | 5 | 105 | 93 |
| 05.086.2 | 6 | 121.5 | 109.5 |
| 05.087.2 | 7 | 138 | 126 |
| 05.088.2 | 8 | 154.5 | 142.5 |
| 05.089.2 | 9 | 171 | 159 |
| 05.090.2 | 10 | 187.5 | 175.5 |
| 05.091.2 | 11 | 204 | 192 |
| 05.092.2 | 12 | 220.5 | 208.5 |

valvole ad azionamento elettropneumatico

solenoid actuated valves



- Valvole a spola 3/2-5/2-5/3 con attacchi filettati G1/8"-G1/4"
3/2-5/2-5/3 spool valves with G1/8"-G1/4" threaded ports
- Montaggio in linea, su collettori multipli o su basi manifold
Installation in-line, on gang or modular manifolds
- Comandi elettrici con azionamento manuale bistabile
Solenoid pilots with detented manual override as standard
- A richiesta versione a basso assorbimento 1.5W
On request with low consumption 1.5W
- Esecuzioni speciali a richiesta
Special versions on request



Materiali

Corpo: alluminio 11S

Comando e fondello: tecnopolimero (*)

Molle: INOX

Guarnizioni: NBR

Spola: alluminio nichelato

Parti interne: ottone OT58

Materials

Body: aluminium 11S

End caps: technopolymer (*)

Springs: stainless steel

Seals: NBR

Spool: nickel plated aluminium

Internal parts: brass OT58

(*) Su richiesta e dietro supplemento di prezzo, le valvole sono fornibili con corpo, comando e fondello interamente in alluminio. Alcune valvole, come di seguito specificato, sono disponibili solo nella versione in alluminio. Le valvole ATEX sono solo in alluminio.

Le parti in tecnopolimero recano impresso il logo

(*) On request and upon extra charge, the valves are available also with body and end caps entirely in aluminium. Some valves, as specified in the next pages, are available only in the aluminium version. ATEX valves are only in aluminium.

The parts in technopolymer are marked with the logo

Tempi di risposta - response times

| | 1/8" | 1/4" |
|-----------------------------------|------------------------------------|------------------------------------|
| monostabile <i>mono-stable</i> | TRA (14): 15 ms TRR (12): 35 ms | TRA (14): 19 ms TRR (12): 45 ms |
| bistabile <i>bi-stable</i> | TRA (14): 20 ms TRR (12): 20 ms | TRA (14): 22 ms TRR (12): 22 ms |

I prodotti di seguito indicati sono venduti senza bobine, da acquistarsi separatamente (vedi pag. 209).
The following listed products are sold without coils, which are bought separately (refer to page 209).

| | | | |
|--|---|---|--------------------------------------|
| Diametro nominale <i>Nominal orifice</i> | | 1/8": 5 mm 1/4": 7.5 mm | |
| Temperatura di esercizio <i>Temperature range</i> | | max +60°C | |
| Pressione di esercizio <i>Working pressure</i> | al. interna monost. [monost. internal air supply] | al. interna bist. [bi-stable internal air supply] | alim. separata [separate air supply] |
| | 2.5 ... 10 bar 0.25 ... 1 MPa | 1 ... 10 bar 0.1 ... 1 MPa | -0.9 ... 10 bar -0.09 ... 1 MPa |
| Pressione di azionamento (per alimentazione separata) <i>Actuating pressure (for separate air supply)</i> | monostabile [mono-stable] | | bistabile [bi-stable] |
| | 2.5 ... 10 bar 0.25 ... 1 MPa | | 1 ... 10 bar 0.1 ... 1 MPa |
| Fluido <i>Fluid</i> | Aria filtrata 50µ con o senza lubrificazione <i>50µ filtered, lubricated or non lubricated air</i> | | |

valvole ad azionamento elettropneumatico

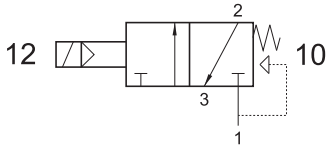
solenoid actuated valves



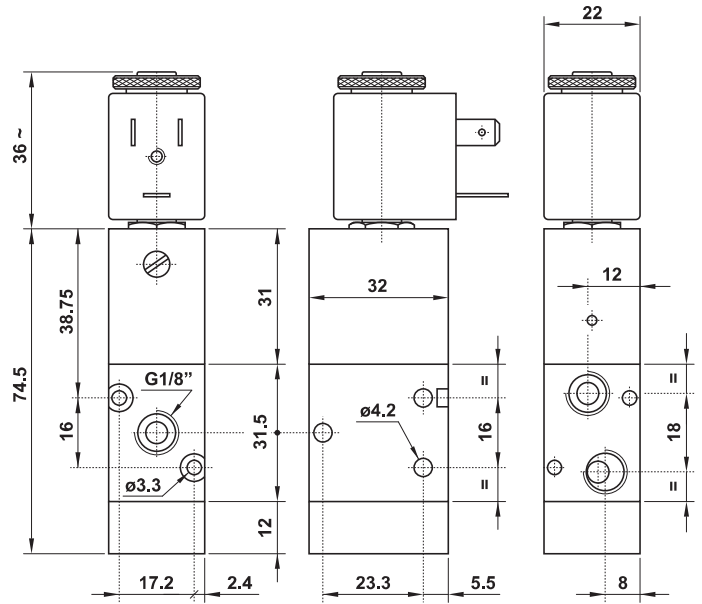
321 ME

3/2 1/8" NC comando elettrico - ritorno a molla

3/2 1/8" NC solenoid pilot - spring return



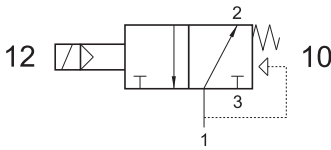
Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.



321 MEA

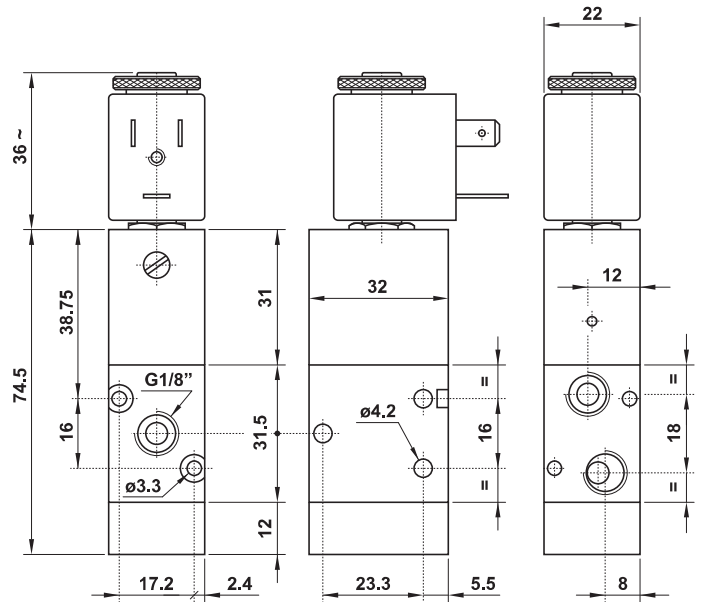
3/2 1/8" NA comando elettrico - ritorno a molla

3/2 1/8" NO solenoid pilot - spring return



Non può essere utilizzata come valvola normalmente chiusa.
It cannot be used as normally closed valve.

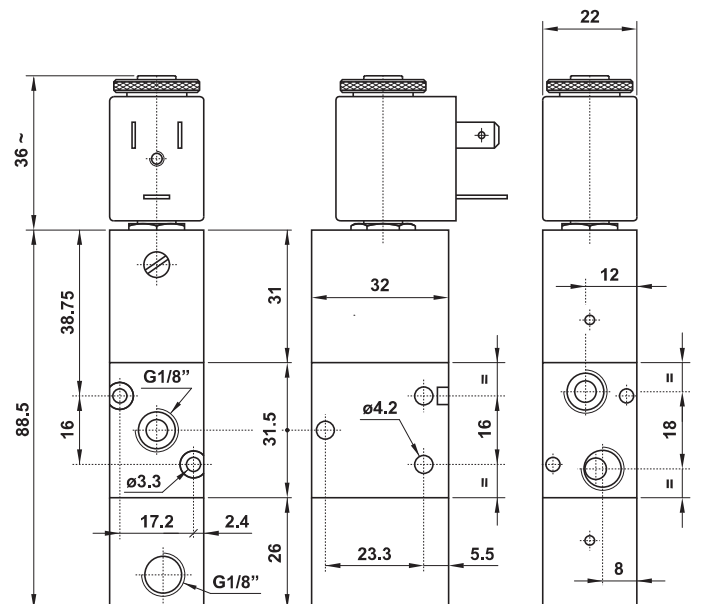
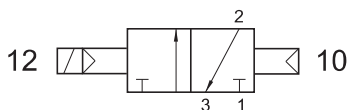
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



321 CE

3/2 1/8" comando elettrico - ritorno a comando pneumatico

3/2 1/8" solenoid pilot - separate pneumatically piloted return



valvole ad azionamento elettropneumatico

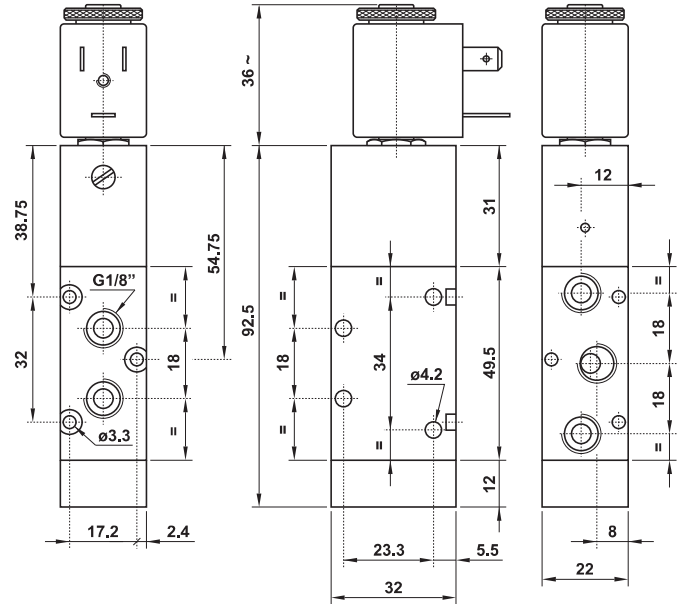
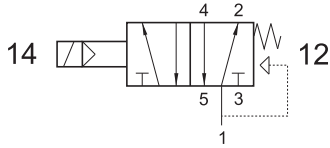
solenoid actuated valves



521 ME

5/2 1/8" comando elettrico - ritorno a molla

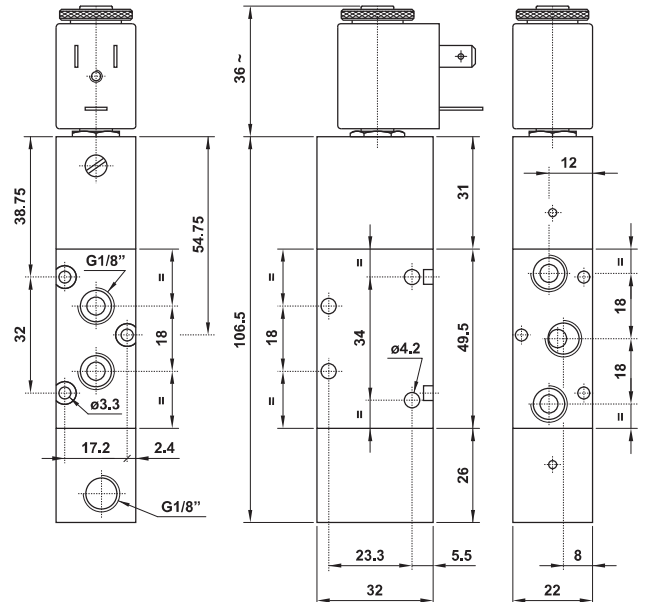
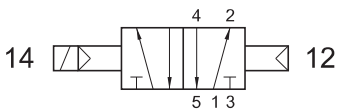
5/2 1/8" solenoid pilot - spring return



521 CE

5/2 1/8" comando elettrico - ritorno a comando pneumatico

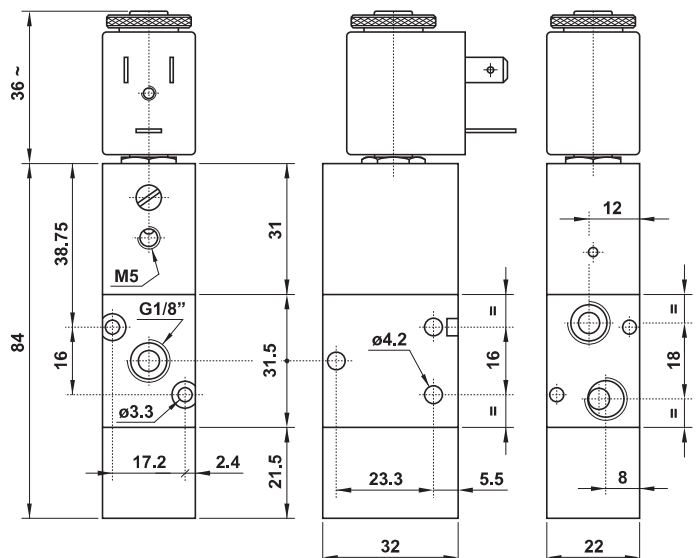
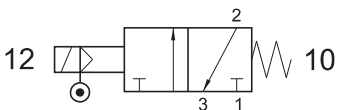
5/2 1/8" solenoid pilot - separate pneumatically piloted return



321 ME AS

3/2 1/8" comando elettrico alimentazione separata - ritorno a molla

3/2 1/8" solenoid pilot with separate air supply - spring return



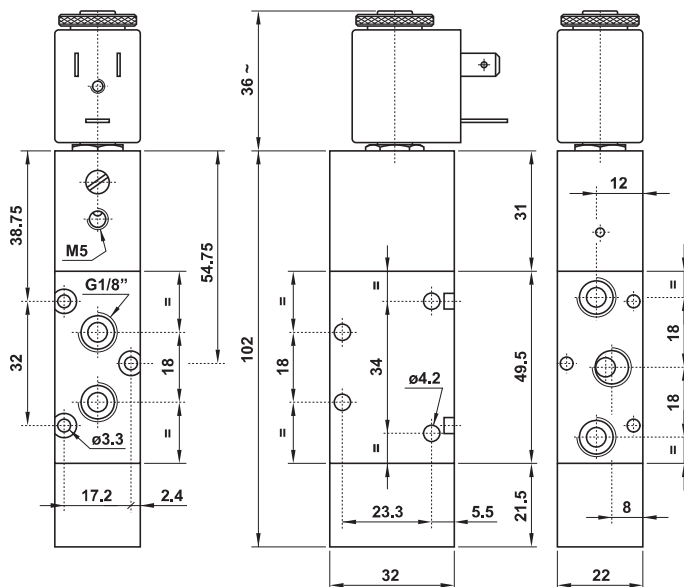
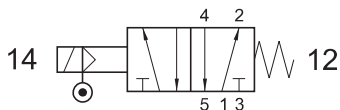
valvole ad azionamento elettropneumatico

solenoid actuated valves



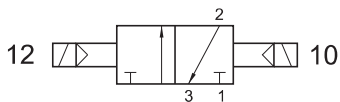
521 ME AS

5/2 1/8" comando elettrico alimentazione separata - ritorno a molla
 5/2 1/8" solenoid pilot with separate air supply - spring return

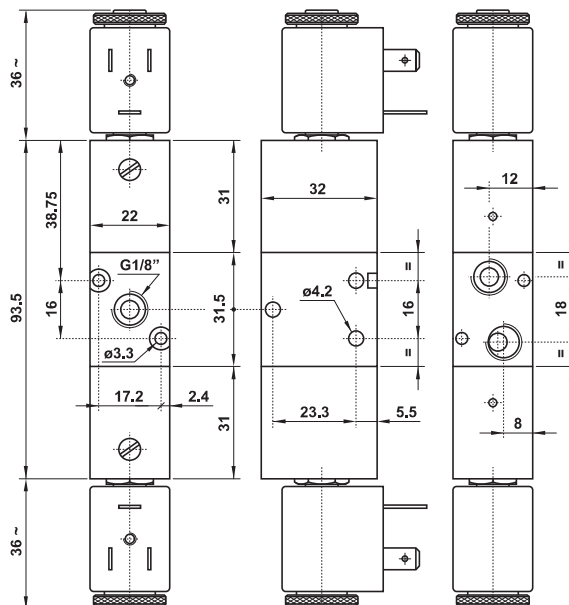


321 EE

3/2 1/8" doppio comando elettrico
 3/2 1/8" double solenoid pilot

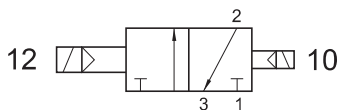


SOLO VERSIONE IN ALLUMINIO
 ONLY ALUMINIUM VERSION

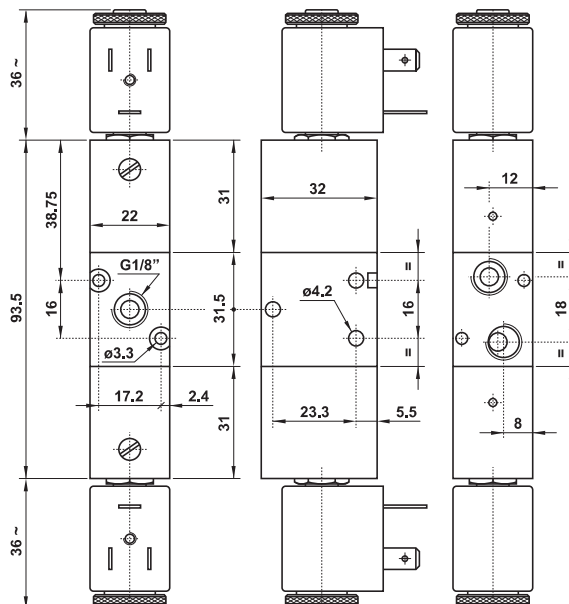


321 EED

3/2 1/8" doppio comando elettrico - con differenziale
 3/2 1/8" double solenoid pilot - with differential



SOLO VERSIONE IN ALLUMINIO
 ONLY ALUMINIUM VERSION



valvole ad azionamento elettropneumatico

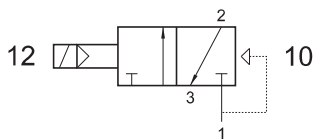
solenoid actuated valves



321 EFP

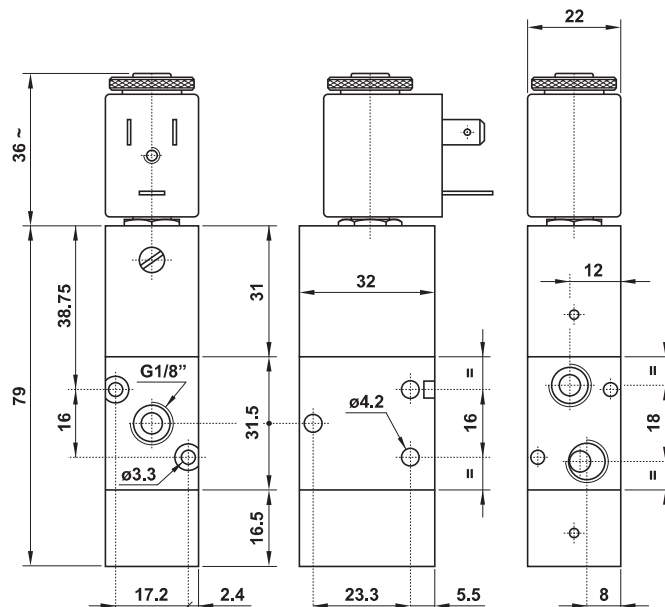
3/2 1/8" NC comando elettrico - ritorno a molla pneumatica

3/2 1/8" NC solenoid pilot - pneumatic spring return



Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.

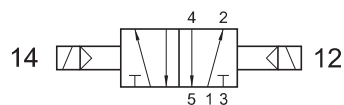
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



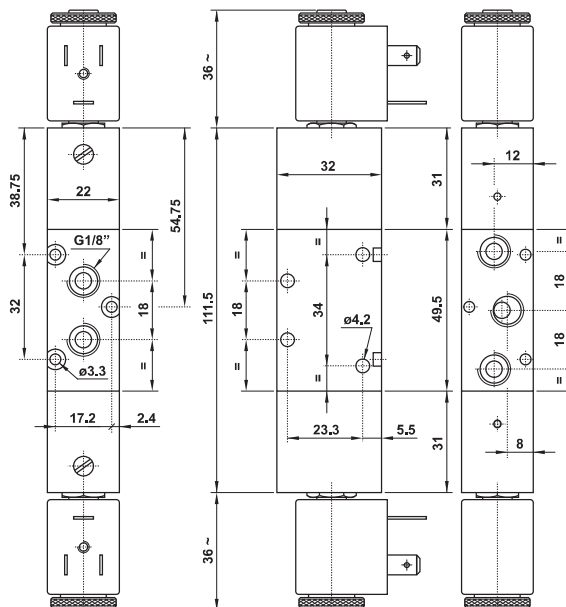
521 EE

5/2 1/8" doppio comando elettrico

5/2 1/8" double solenoid pilot



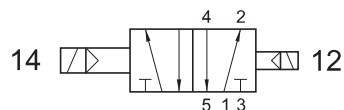
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



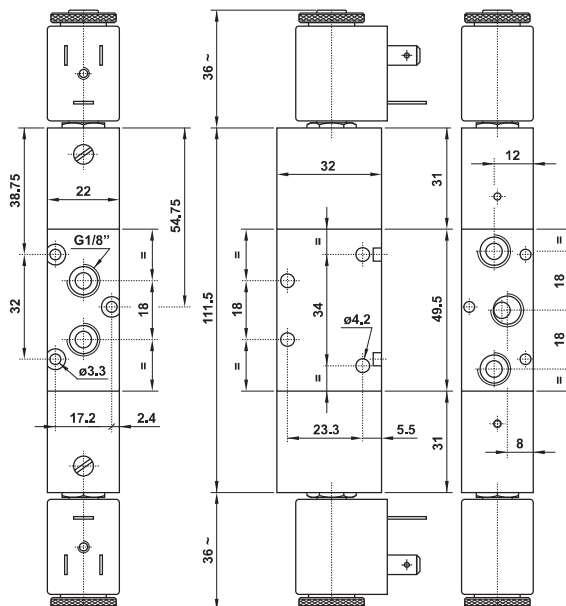
521 EED

5/2 1/8" doppio comando elettrico - con differenziale

5/2 1/8" double solenoid pilot - with differential



SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



valvole ad azionamento elettropneumatico

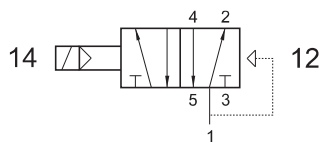
solenoid actuated valves



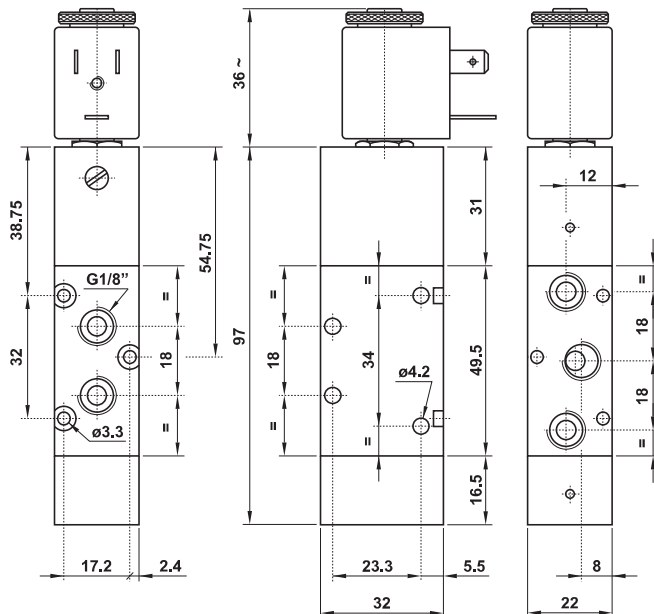
521 EFP

5/2 1/8" comando elettrico - ritorno a molla pneumatica

5/2 1/8" solenoid pilot - pneumatic spring return



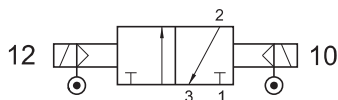
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



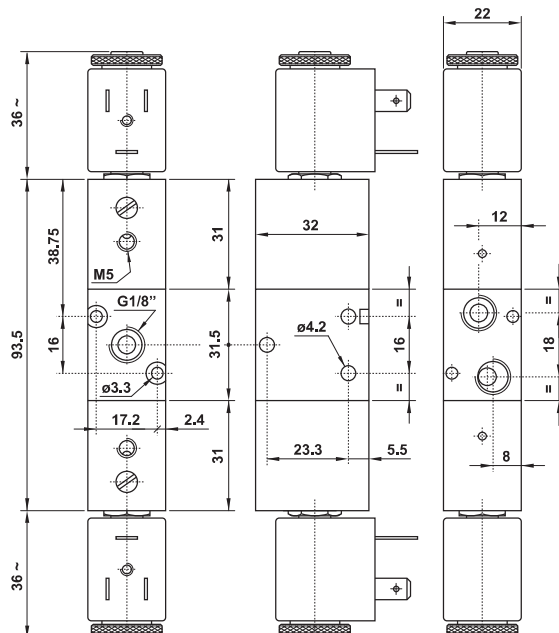
321 EE AS

3/2 1/8" doppio comando elettrico alimentazione separata

3/2 1/8" double solenoid pilot with separate air supply



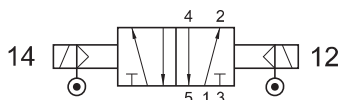
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



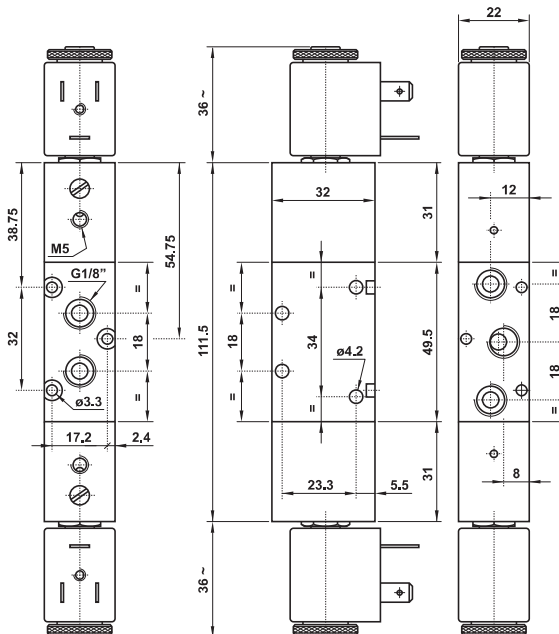
521 EE AS

5/2 1/8" doppio comando elettrico alimentazione separata

5/2 1/8" double solenoid pilot with separate air supply



SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



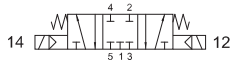
valvole ad azionamento elettropneumatico

solenoid actuated valves



5213C EE

centri chiusi
closed centres



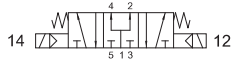
5213A EE

centri aperti
open centres



5213P EE

centri in pressione
pressurized centres

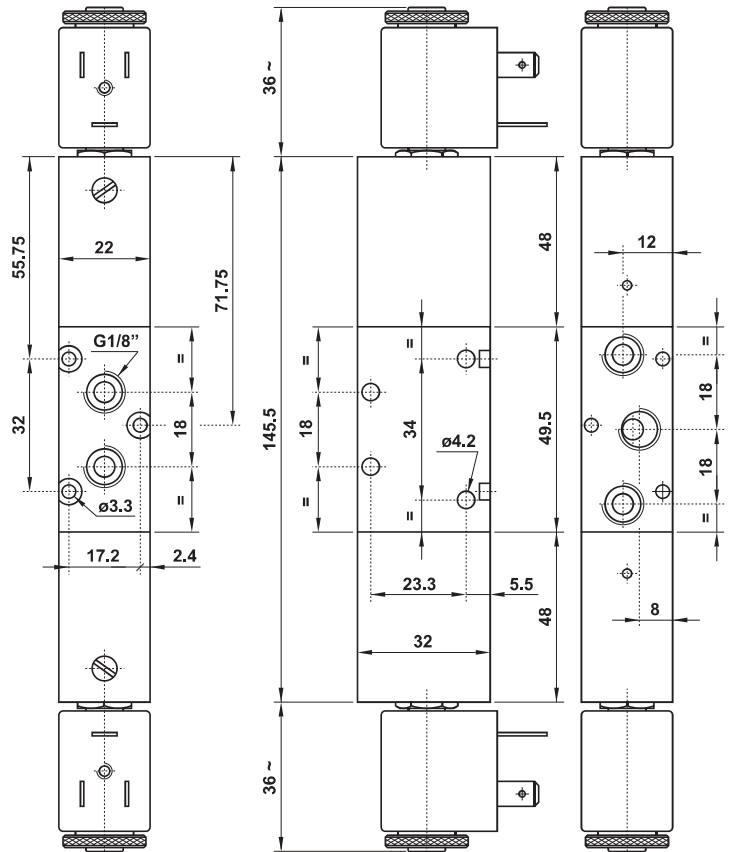
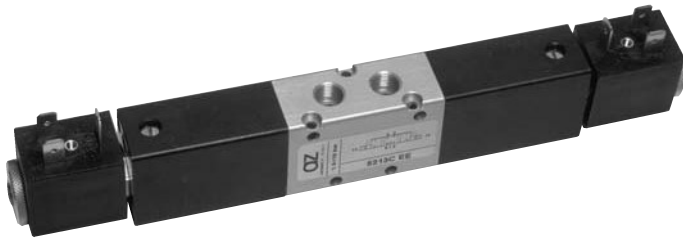


5/3 1/8" doppio comando elettrico

5/3 1/8" double solenoid pilot

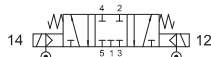
SOLO VERSIONE IN ALLUMINIO

ONLY ALUMINIUM VERSION



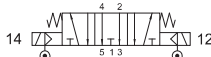
5213C EE AS

centri chiusi
closed centres



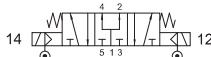
5213A EE AS

centri aperti
open centres



5213P EE AS

centri in pressione
pressurized centres

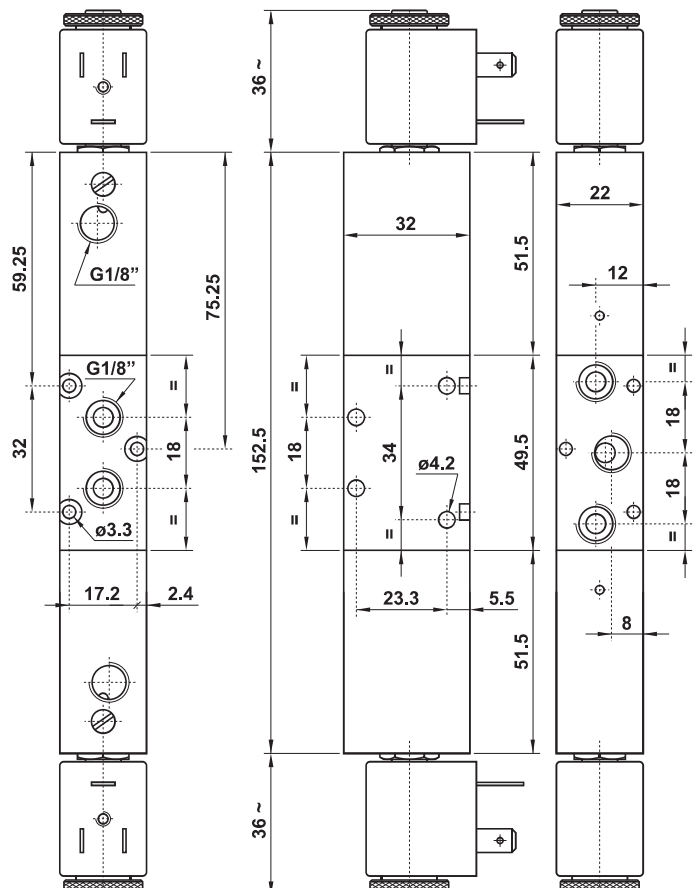
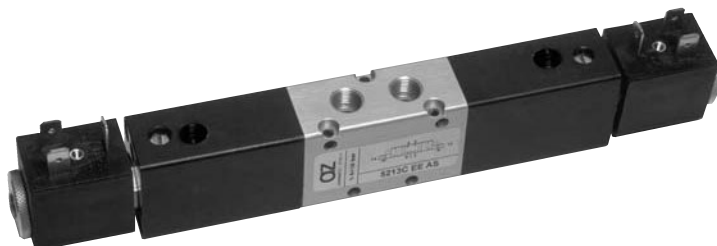


5/3 1/8" doppio comando elettrico alimentazione separata

5/3 1/8" double solenoid pilot with separate air supply

SOLO VERSIONE IN ALLUMINIO

ONLY ALUMINIUM VERSION



valvole ad azionamento elettropneumatico

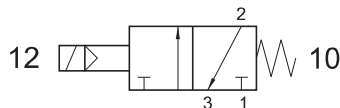
solenoid actuated valves



321 MRE

3/2 1/8" NC comando elettrico - ritorno a molla RINFORZATA

3/2 1/8" NC solenoid pilot - REINFORCED spring return



Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.

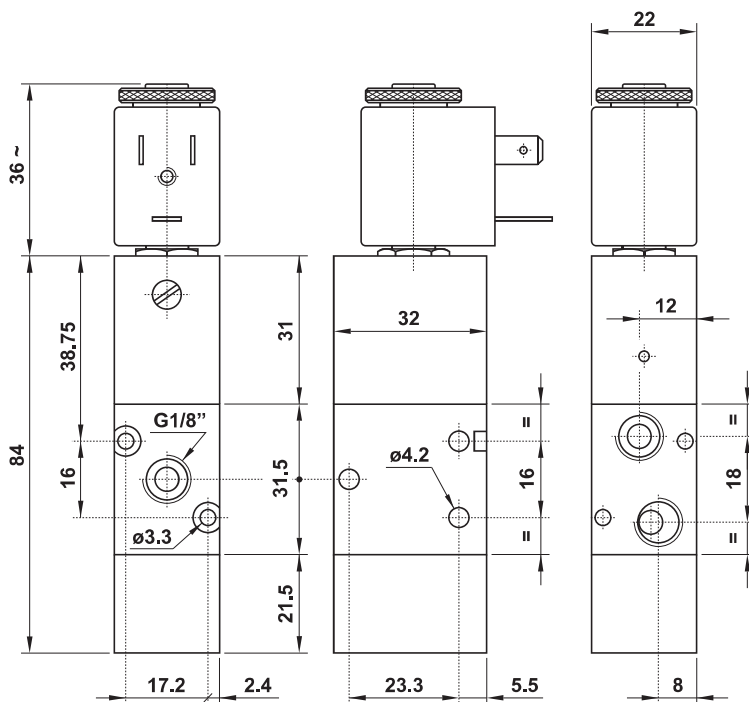
Pressione di esercizio: 2.5 ... 10 bar

Working pressure: 2.5 ... 10 bar

La molla rinforzata permette un ritorno efficace della spola anche in assenza di aria.
The reinforced spring allows a prompt return of the spool also in lack of air.

Attenzione: il fondello per molla rinforzata è più lungo rispetto al fondello di una valvola con ritorno a molla normale.

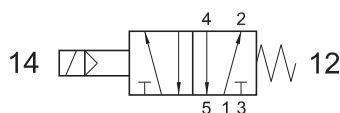
Attention: the bottom end cap for reinforced spring return is longer than the end cap for normal spring return.



521 MRE

5/2 1/8" comando elettrico - ritorno a molla RINFORZATA

5/2 1/8" solenoid pilot - REINFORCED spring return



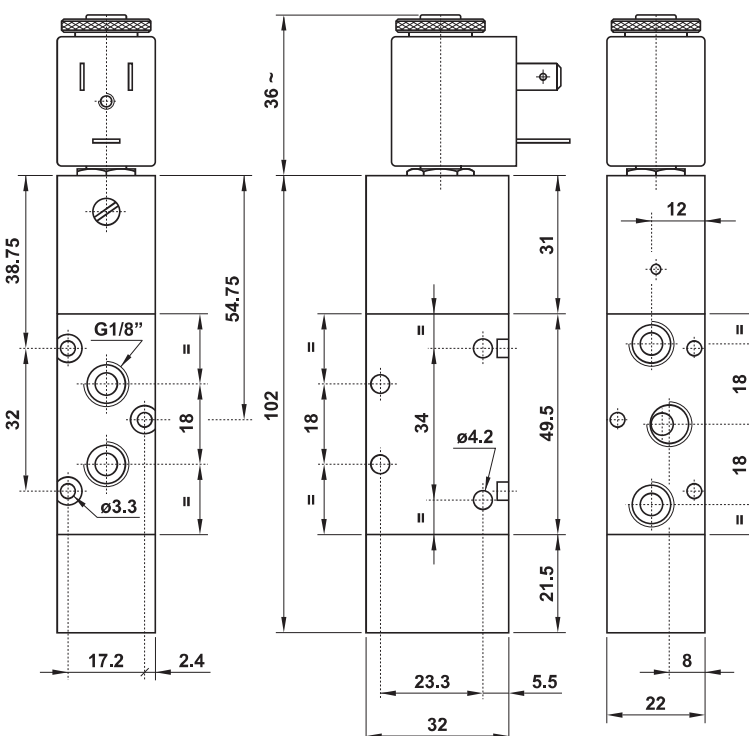
Pressione di esercizio: 2.5 ... 10 bar

Working pressure: 2.5 ... 10 bar

La molla rinforzata permette un ritorno efficace della spola anche in assenza di aria.
The reinforced spring allows a prompt return of the spool also in lack of air.

Attenzione: il fondello per molla rinforzata è più lungo rispetto al fondello di una valvola con ritorno a molla normale.

Attention: the bottom end cap for reinforced spring return is longer than the end cap for normal spring return.



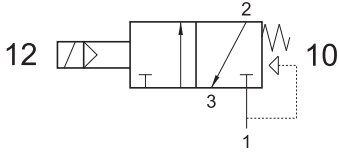
valvole ad azionamento elettropneumatico

solenoid actuated valves

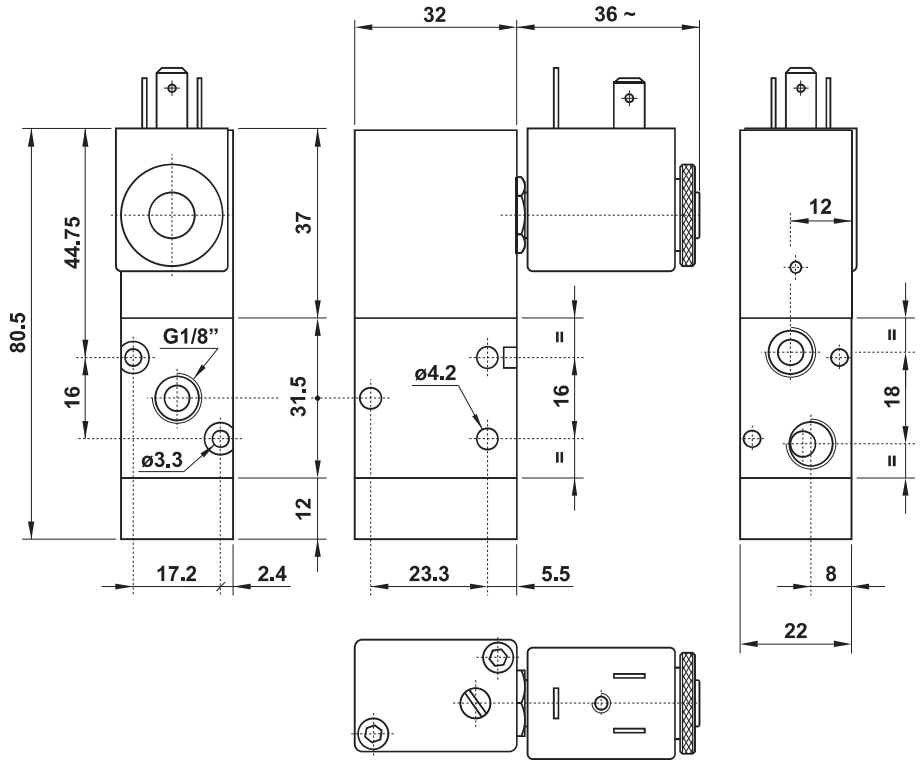


321 ME90 S

3/2 1/8" NC comando elettrico 90° sul lato stretto - ritorno a molla
3/2 1/8" NC 90° solenoid pilot on the narrow side for compact assembly - spring return

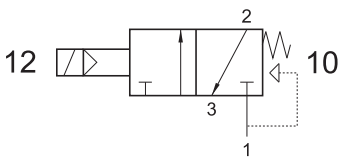


Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.

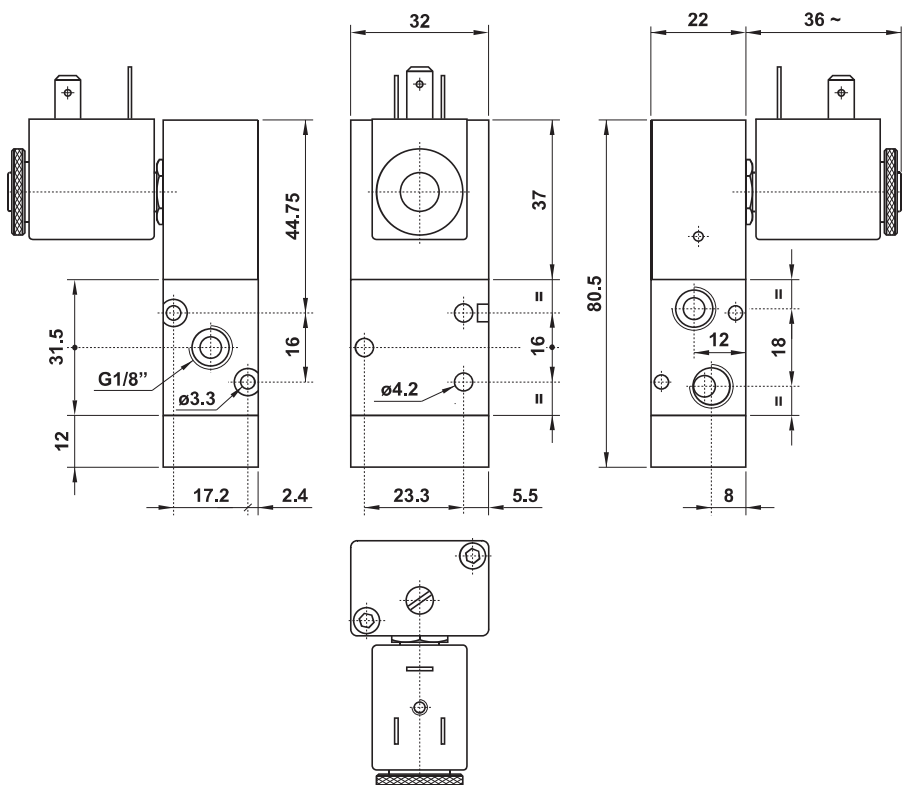


321 ME90 L

3/2 1/8" NC comando elettrico 90° sul lato largo - ritorno a molla
3/2 1/8" NC 90° solenoid pilot on the wide side - spring return



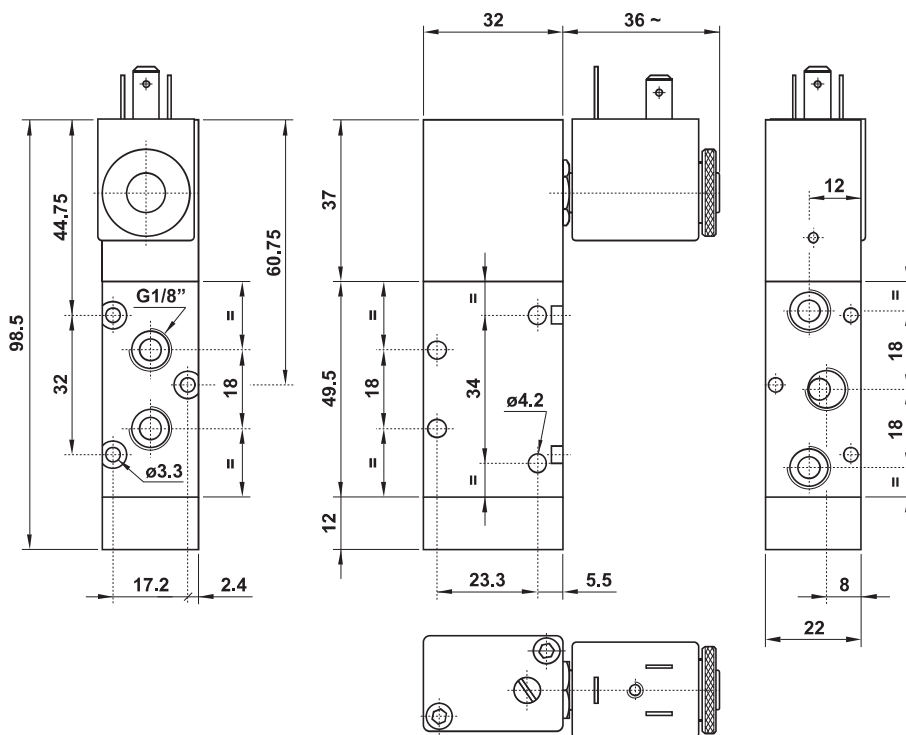
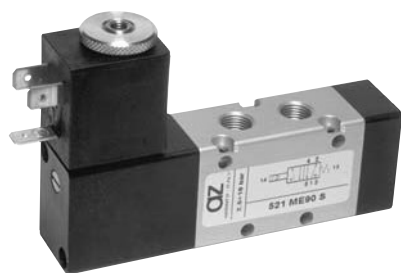
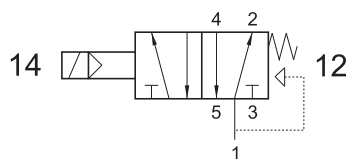
Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.



521 ME90 S

5/2 1/8" comando elettrico 90° sul lato stretto - ritorno a molla

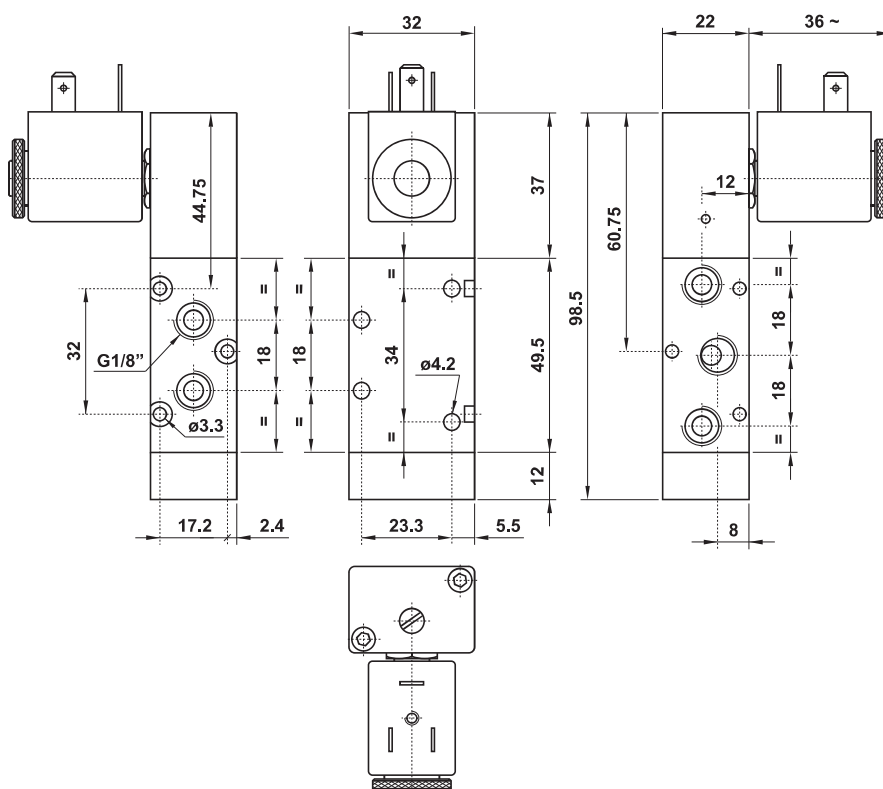
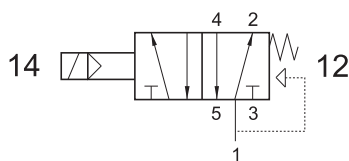
5/2 1/8" 90° solenoid pilot on the narrow side for compact assembly - spring return



521 ME90 L

5/2 1/8" comando elettrico 90° sul lato largo - ritorno a molla

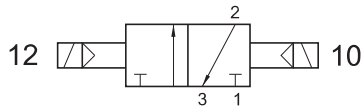
5/2 1/8" 90° solenoid pilot on the wide side - spring return



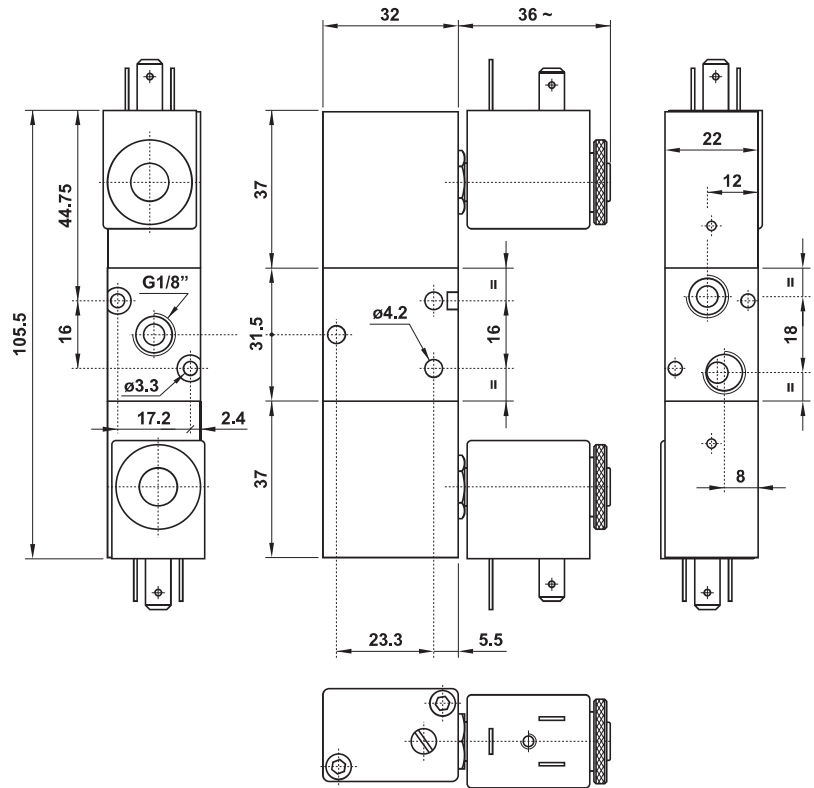
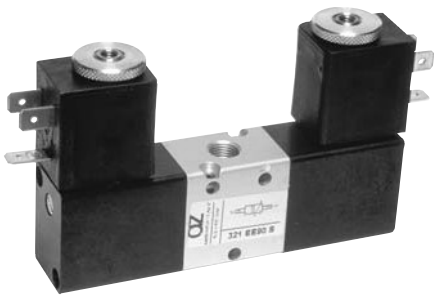
321 EE90 S

3/2 1/8" doppio comando elettrico 90° sul lato stretto

3/2 1/8" 90° double solenoid pilot on the narrow side for compact assembly



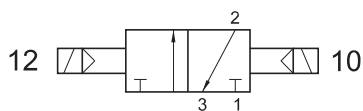
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



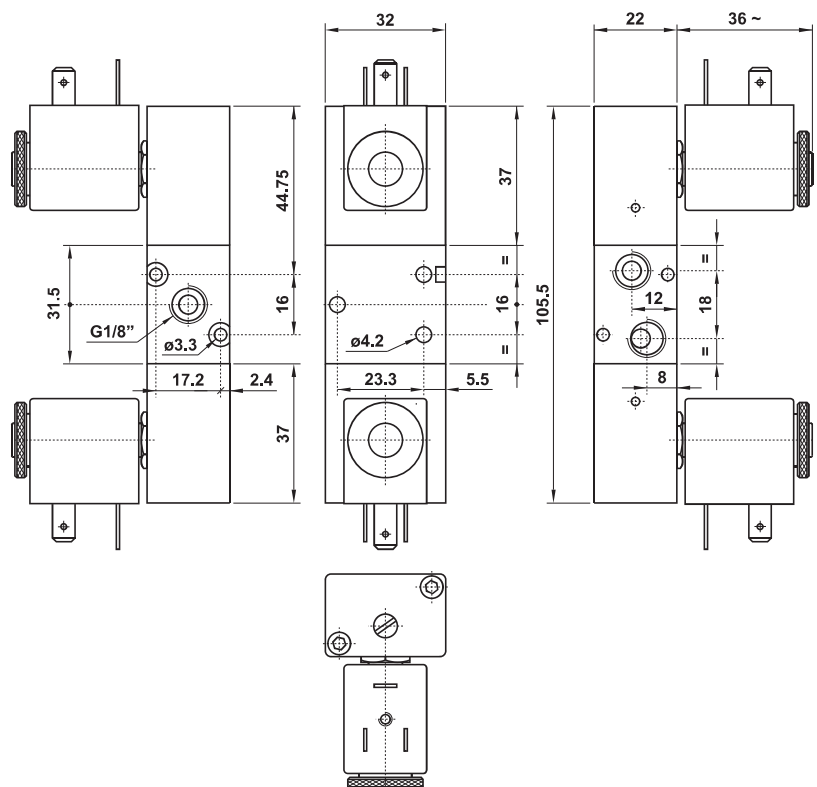
321 EE90 L

3/2 1/8" doppio comando elettrico 90° sul lato largo

3/2 1/8" 90° double solenoid pilot on the wide side



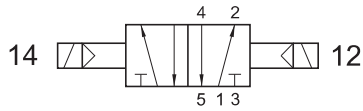
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



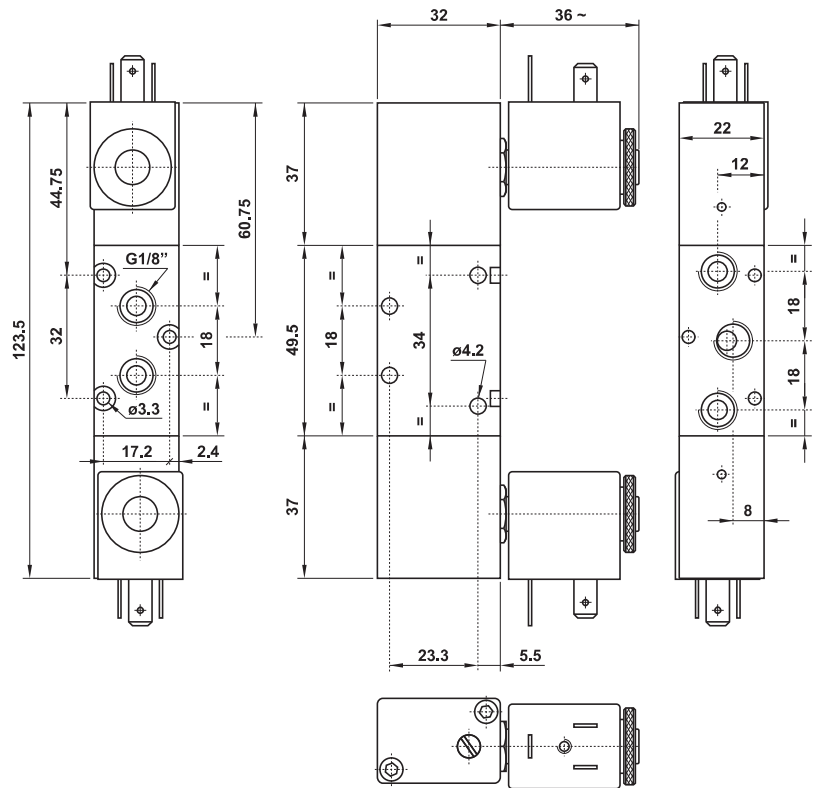
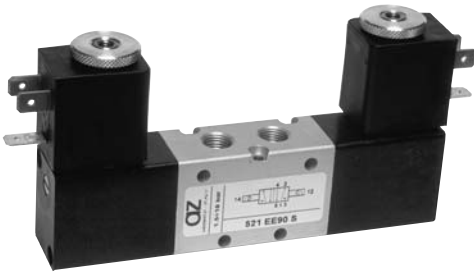
521 EE90 S

5/2 1/8" doppio comando elettrico 90° sul lato stretto

5/2 1/8" 90° double solenoid pilot on the narrow side for compact assembly



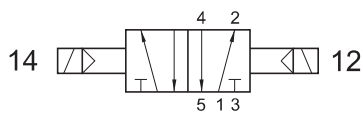
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



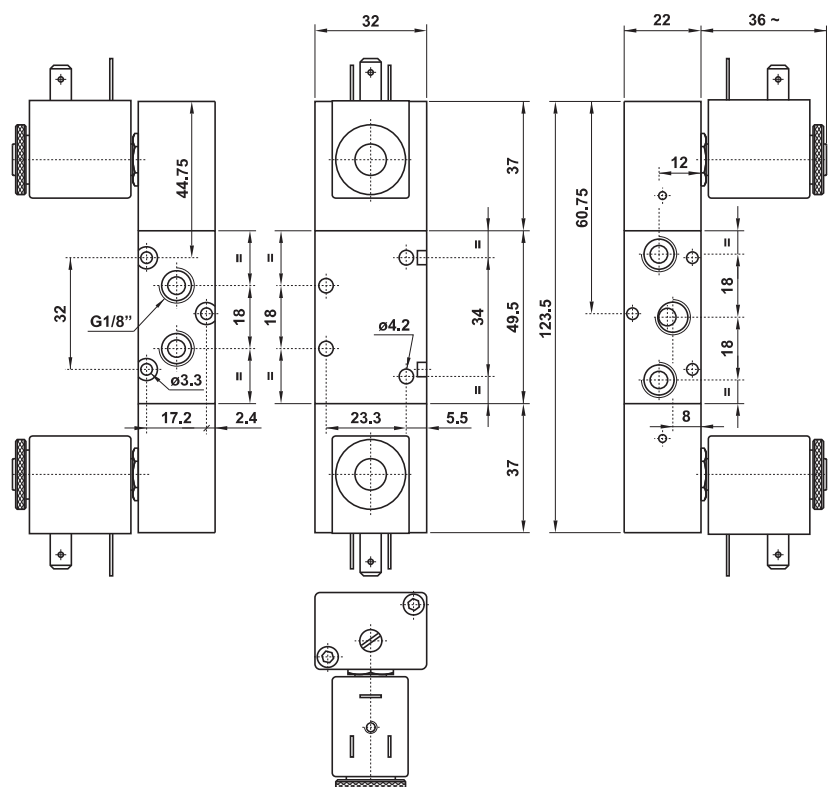
521 EE90 L

5/2 1/8" doppio comando elettrico 90° sul lato largo

5/2 1/8" 90° double solenoid pilot on the wide side



SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



valvole ad azionamento elettropneumatico

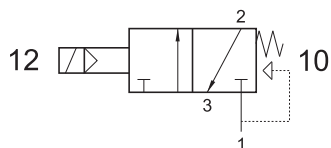
solenoid actuated valves



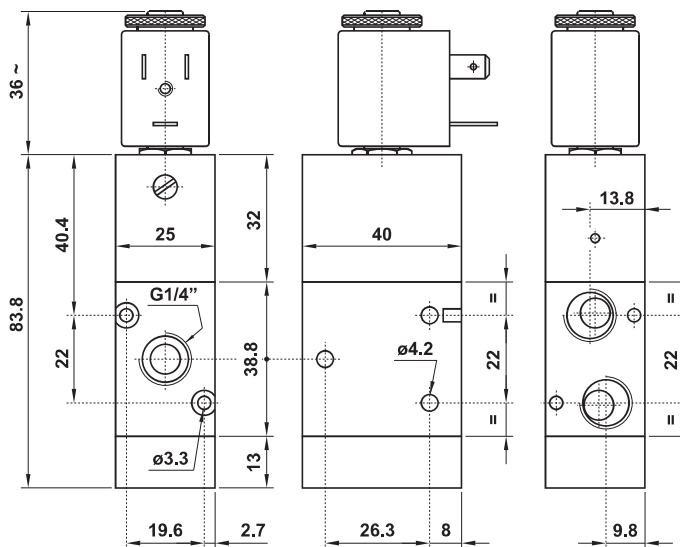
322 ME

3/2 1/4" NC comando elettrico - ritorno a molla

3/2 1/4" NC solenoid pilot - spring return



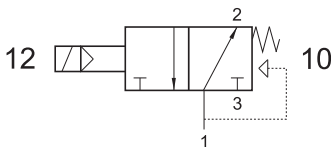
Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.



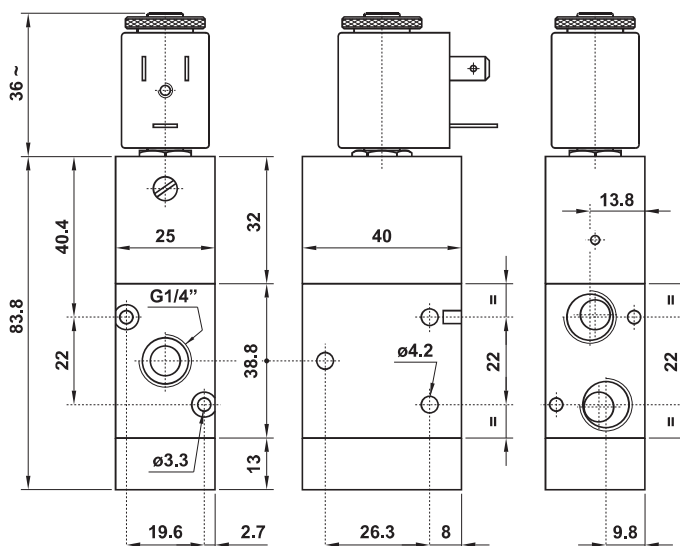
322 MEA

3/2 1/4" NA comando elettrico - ritorno a molla

3/2 1/4" NO solenoid pilot - spring return



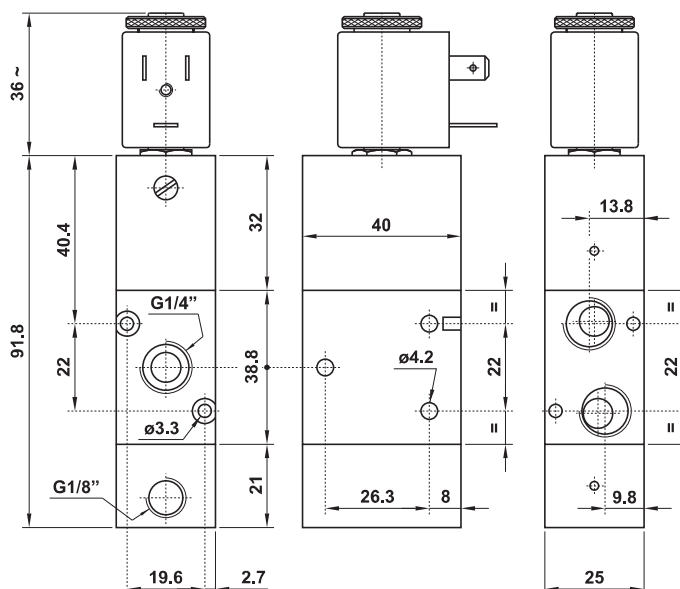
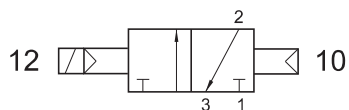
Non può essere utilizzata come valvola normalmente chiusa.
It cannot be used as normally closed valve.



322 CE

3/2 1/4" comando elettrico - ritorno a comando pneumatico

3/2 1/4" solenoid pilot - separate pneumatically piloted return



valvole ad azionamento elettropneumatico

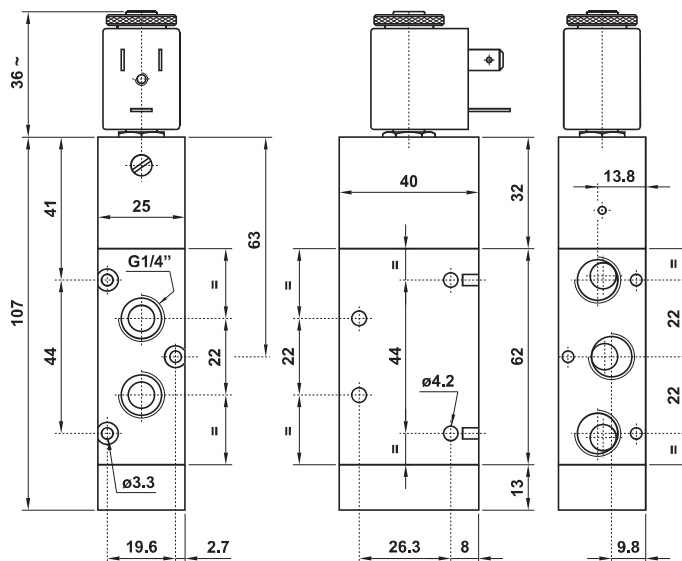
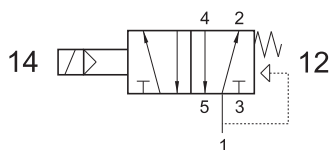
solenoid actuated valves



522 ME

5/2 1/4" comando elettrico - ritorno a molla

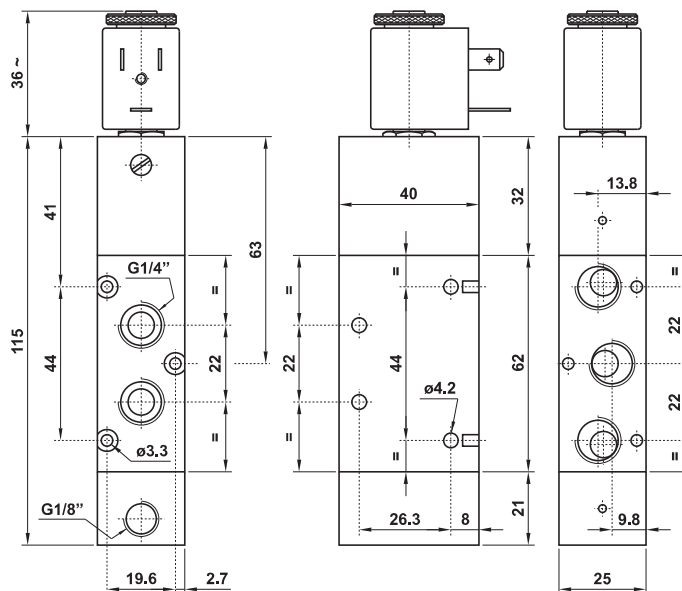
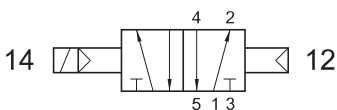
5/2 1/4" solenoid pilot - spring return



522 CE

5/2 1/4" comando elettrico - ritorno a comando pneumatico

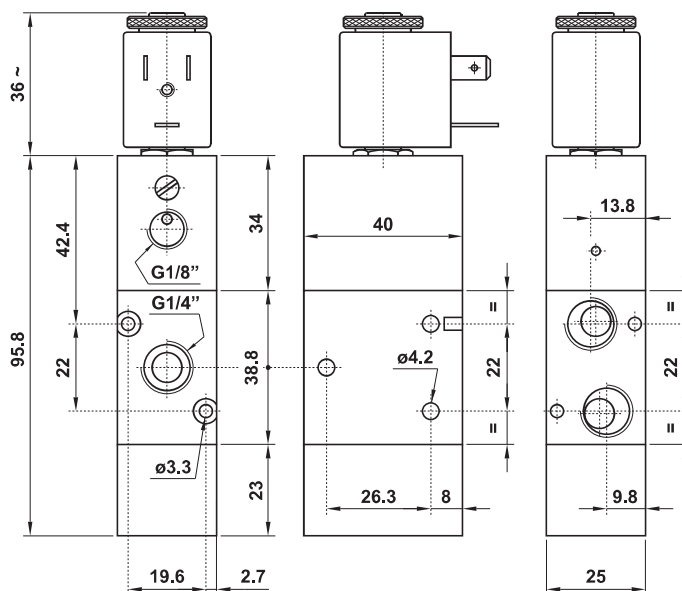
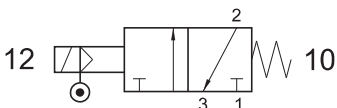
5/2 1/4" solenoid pilot - separate pneumatically piloted return



322 ME AS

3/2 1/4" comando elettrico alimentazione separata - ritorno a molla

3/2 1/4" solenoid pilot with separate air supply - spring return



valvole ad azionamento elettropneumatico

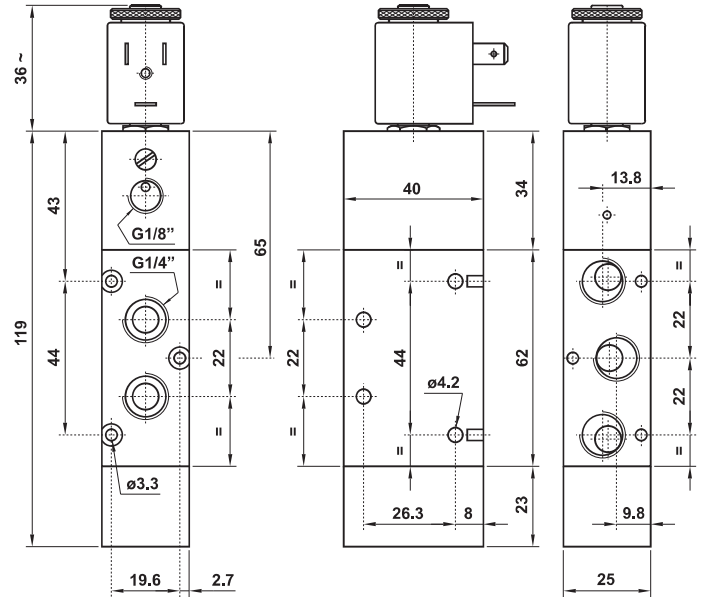
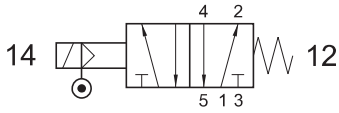
solenoid actuated valves



522 ME AS

5/2 1/4" comando elettrico alimentazione separata - ritorno a molla

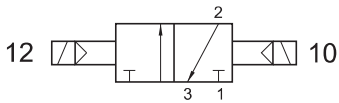
5/2 1/4" solenoid pilot with separate air supply - spring return



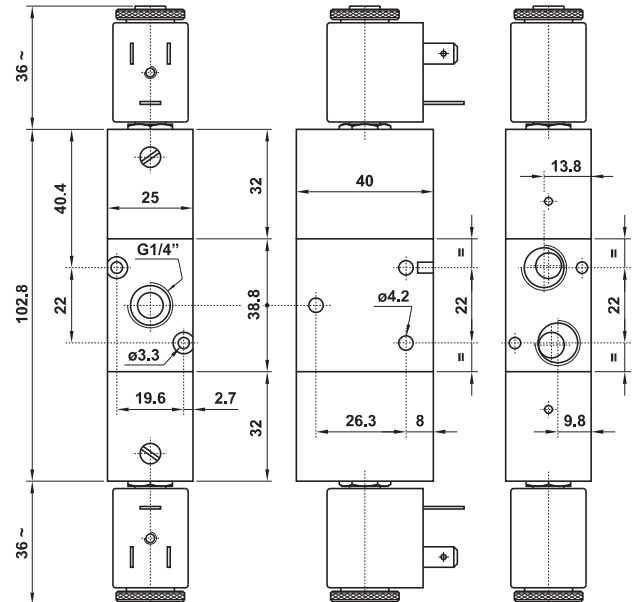
322 EE

3/2 1/4" doppio comando elettrico

3/2 1/4" double solenoid pilot



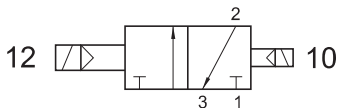
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



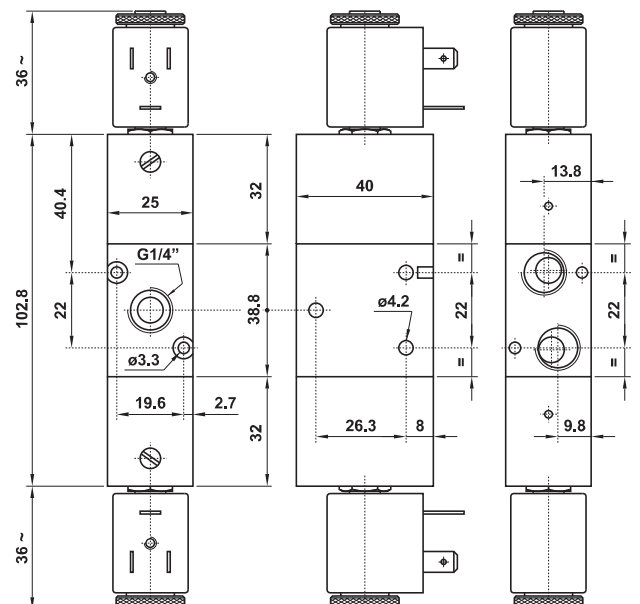
322 EED

3/2 1/4" doppio comando elettrico - con differenziale

3/2 1/4" double solenoid pilot - with differential



SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



valvole ad azionamento elettropneumatico

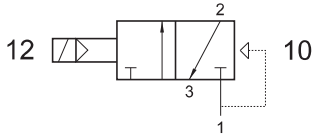
solenoid actuated valves



322 EFP

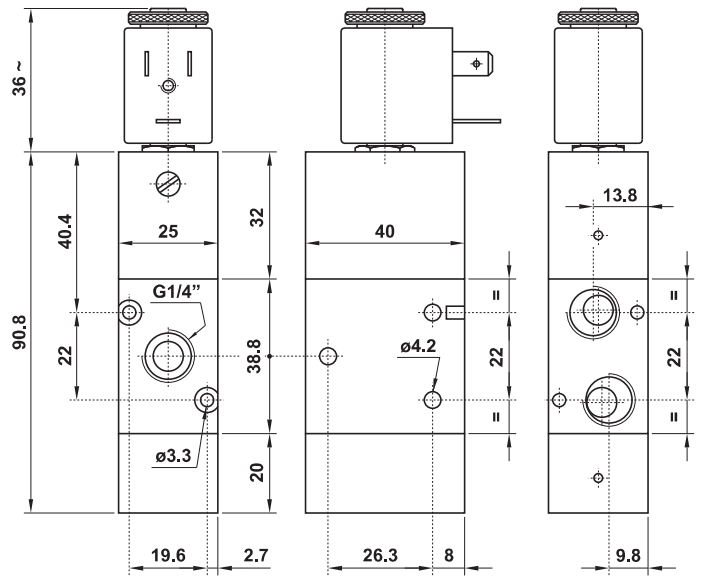
3/2 1/4" NC comando elettrico - ritorno a molla pneumatica

3/2 1/4" NC solenoid pilot - pneumatic spring return



Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.

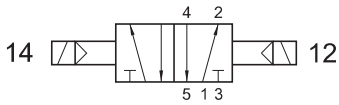
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



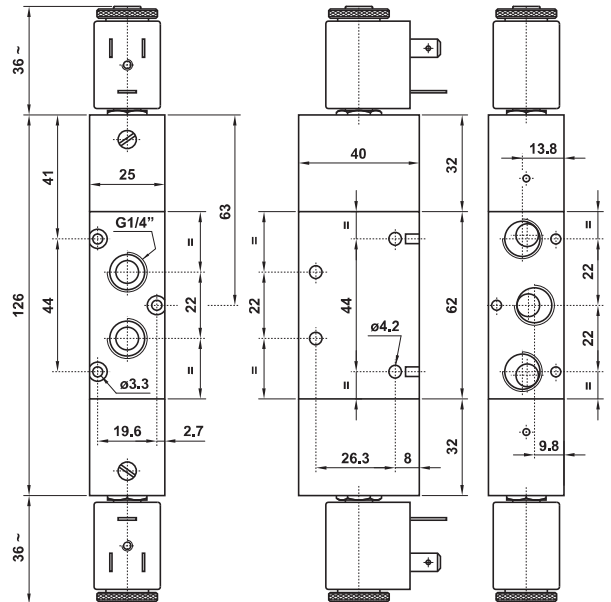
522 EE

5/2 1/4" doppio comando elettrico

5/2 1/4" double solenoid pilot



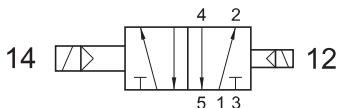
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



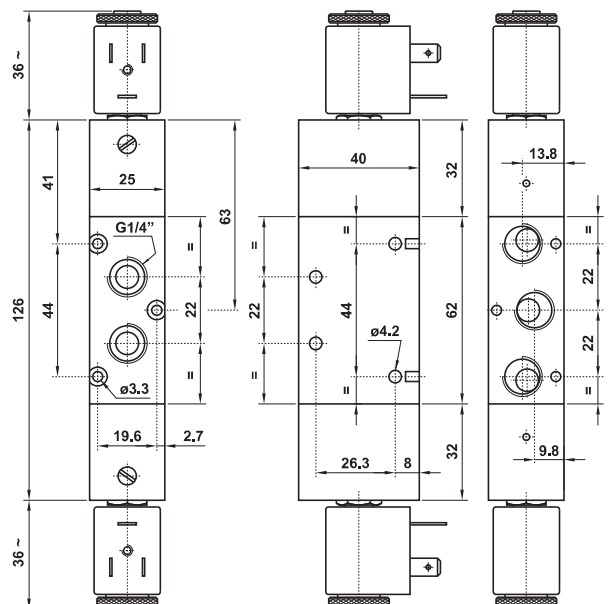
522 EED

5/2 1/4" doppio comando elettrico - con differenziale

5/2 1/4" double solenoid pilot - with differential



SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



valvole ad azionamento elettropneumatico

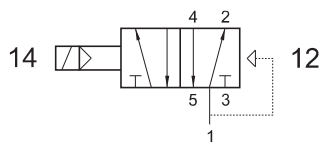
solenoid actuated valves



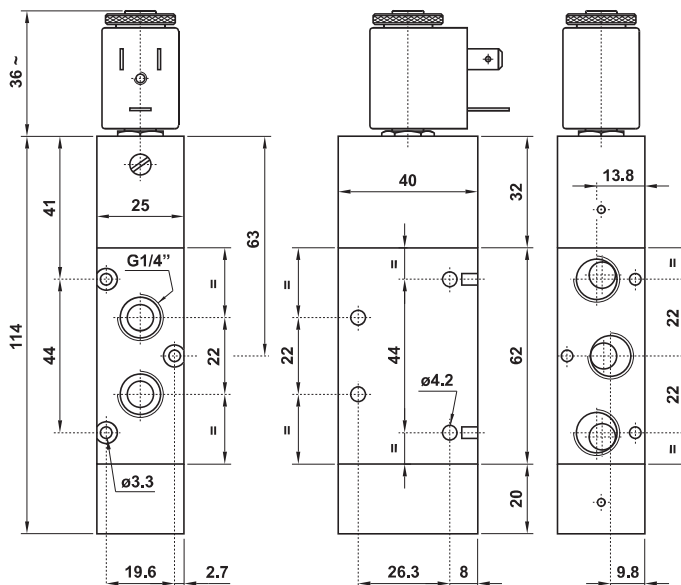
522 EFP

5/2 1/4" comando elettrico - ritorno a molla pneumatica

5/2 1/4" solenoid pilot - pneumatic spring return



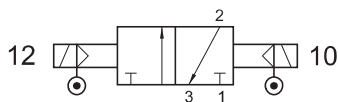
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



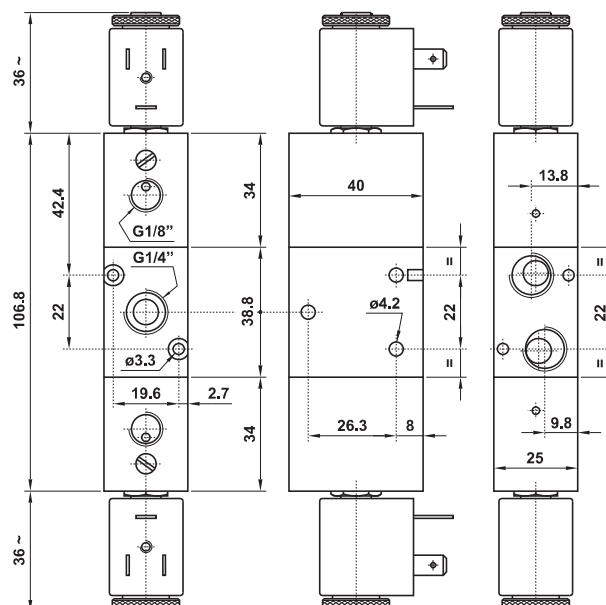
322 EE AS

3/2 1/4" doppio comando elettrico alimentazione separata

3/2 1/4" double solenoid pilot with separate air supply



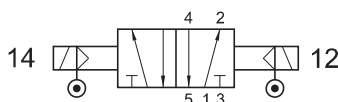
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



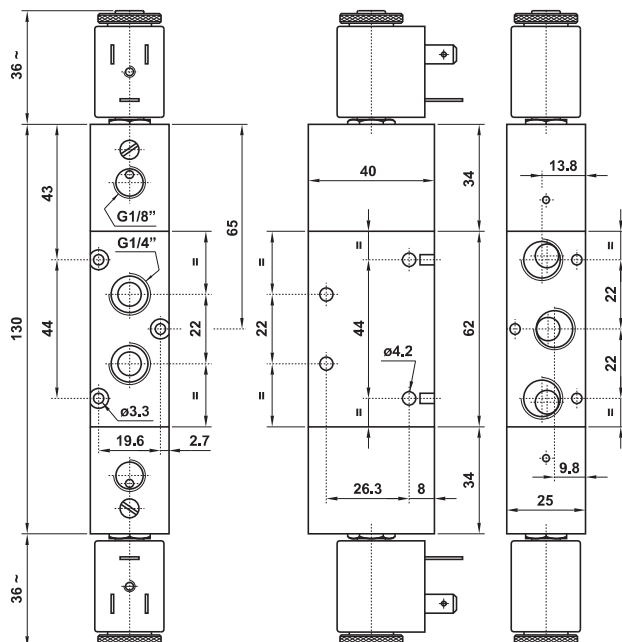
522 EE AS

5/2 1/4" doppio comando elettrico alimentazione separata

5/2 1/4" double solenoid pilot with separate air supply



SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



valvole ad azionamento elettropneumatico

solenoid actuated valves



5223C EE

centri chiusi
closed centres

5223A EE

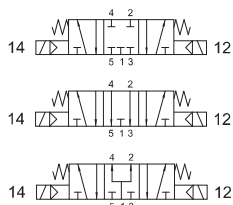
centri aperti
open centres

5223P EE

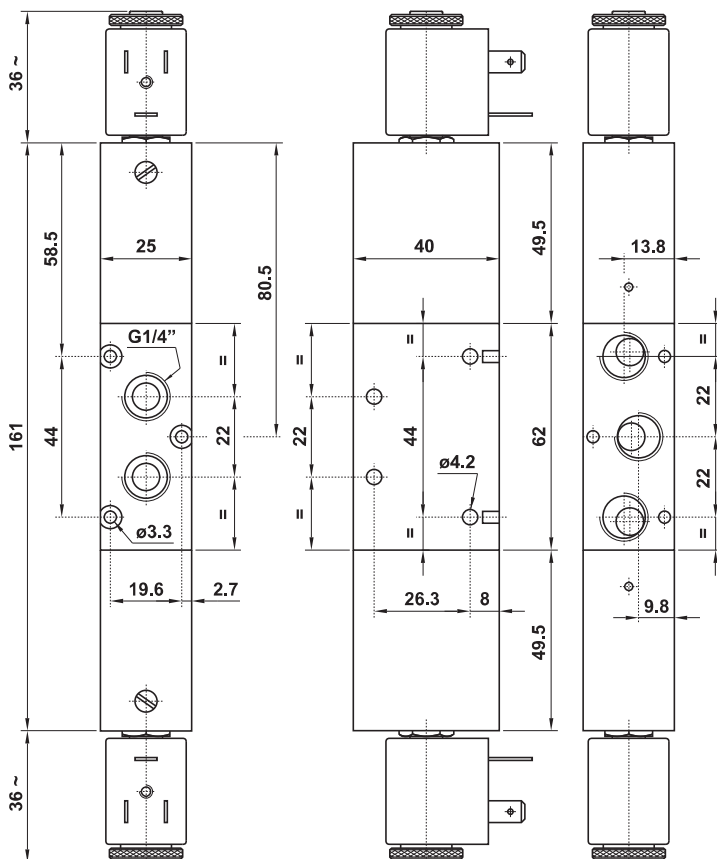
centri in pressione
pressurized centres

5/3 1/4" doppio comando elettrico

5/3 1/4" double solenoid pilot



SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



5223C EE AS

centri chiusi
closed centres

5223A EE AS

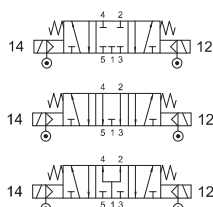
centri aperti
open centres

5223P EE AS

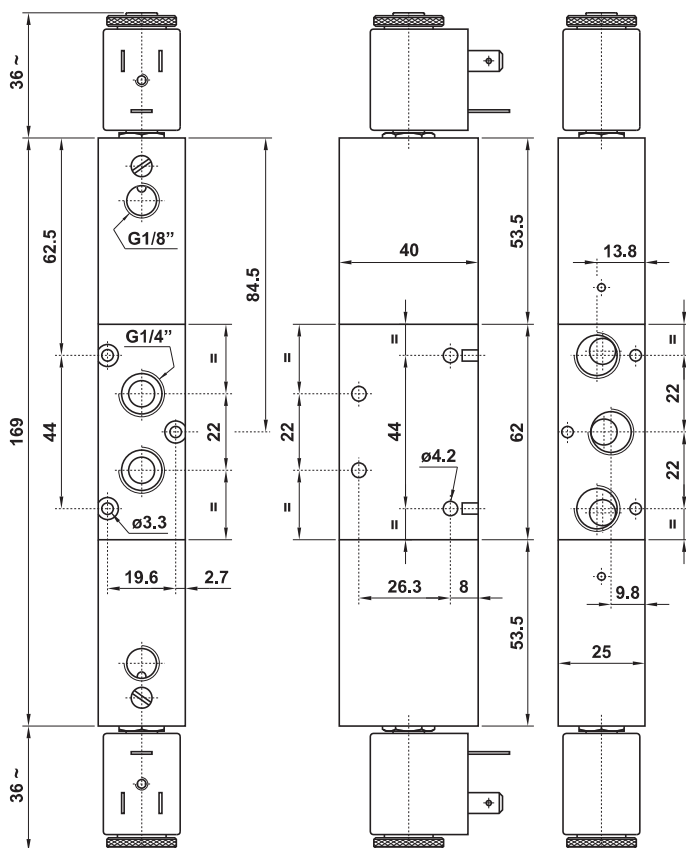
centri in pressione
pressurized centres

5/3 1/4" doppio comando elettrico alimentazione separata

5/3 1/4" double solenoid pilot with separate air supply



SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



valvole ad azionamento elettropneumatico

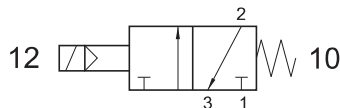
solenoid actuated valves



322 MRE

3/2 1/4" NC comando elettrico - ritorno a molla RINFORZATA

3/2 1/4" NC solenoid pilot - REINFORCED spring return



Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.

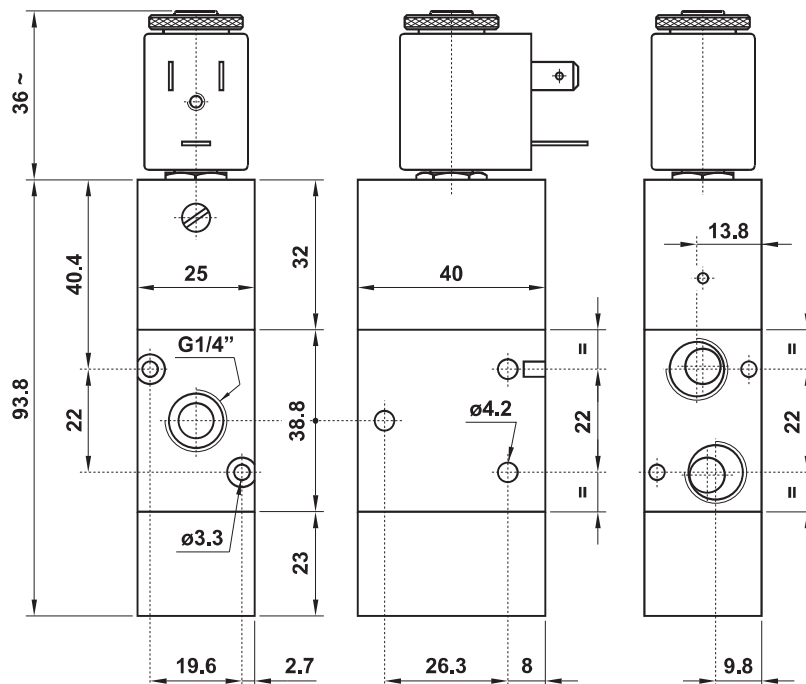
Pressione di esercizio: 2.5 ... 10 bar

Working pressure: 2.5 ... 10 bar

La molla rinforzata permette un ritorno efficace della spola anche in assenza di aria.
The reinforced spring allows a prompt return of the spool also in lack of air.

Attenzione: il fondello per molla rinforzata è più lungo rispetto al fondello di una valvola con ritorno a molla normale.

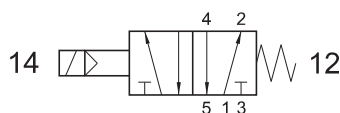
Attention: the bottom end cap for reinforced spring return is longer than the end cap for normal spring return.



522 MRE

5/2 1/4" comando elettrico - ritorno a molla RINFORZATA

5/2 1/4" solenoid pilot - REINFORCED spring return



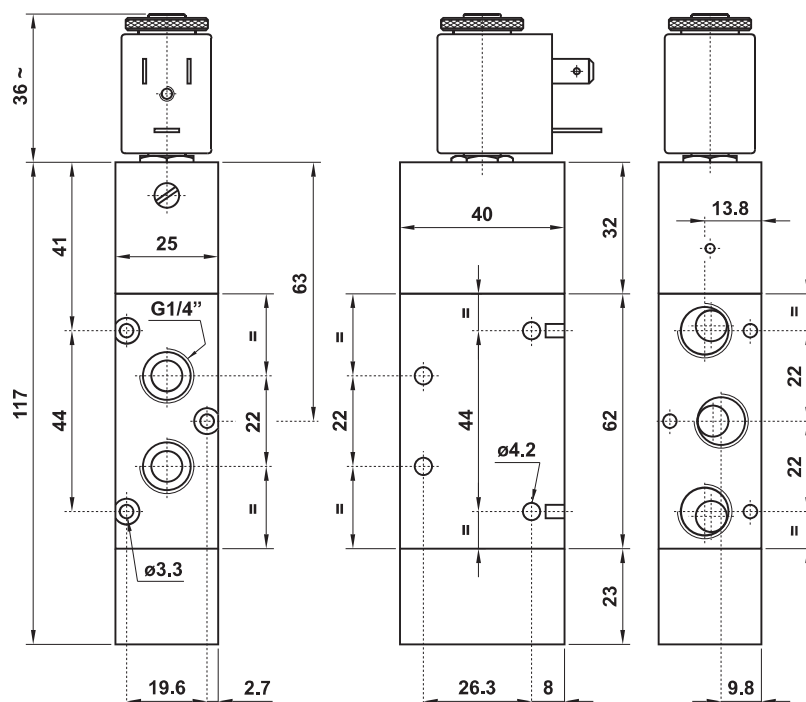
Pressione di esercizio: 2.5 ... 10 bar

Working pressure: 2.5 ... 10 bar

La molla rinforzata permette un ritorno efficace della spola anche in assenza di aria.
The reinforced spring allows a prompt return of the spool also in lack of air.

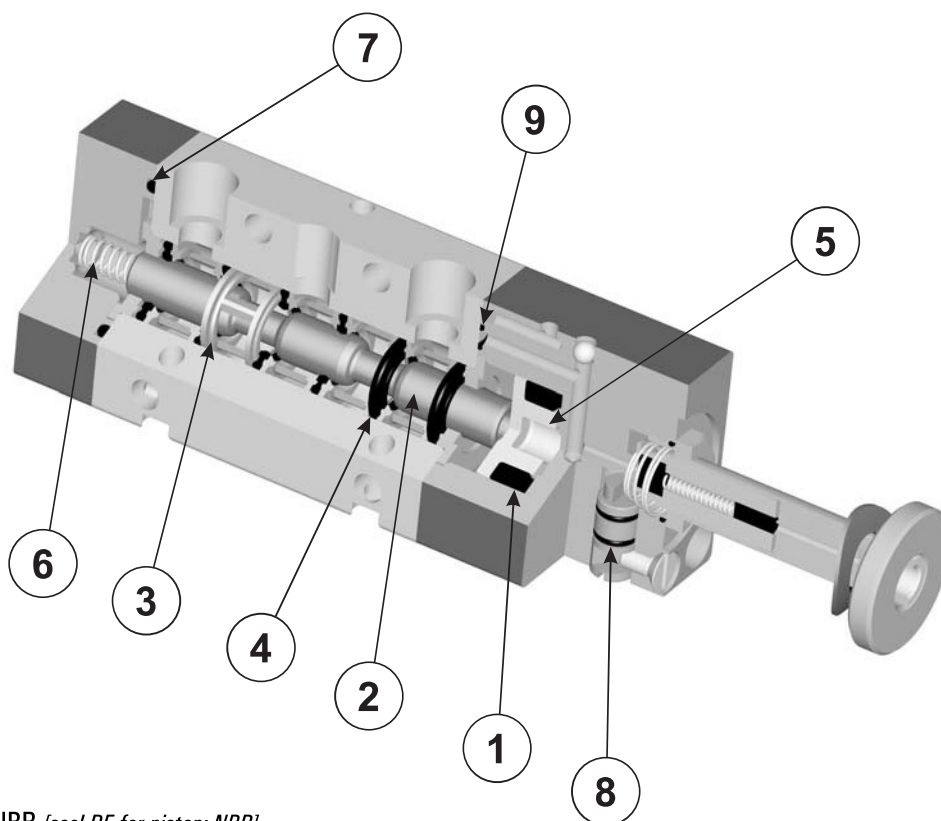
Attenzione: il fondello per molla rinforzata è più lungo rispetto al fondello di una valvola con ritorno a molla normale.

Attention: the bottom end cap for reinforced spring return is longer than the end cap for normal spring return.



ricambi per valvole a spola

spare parts for spool valves



1. Guarnizione DE per pistone: NBR [seal DE for piston: NBR]
2. Spola: alluminio 11S nichelato [spool: aluminium 11S, nickeled]
3. Distanziale cassetto: ottone [brass]
4. Guarnizione cassetto: NBR [seal for spool: NBR]
5. Pistone per comando spola: delrin [piston to actuate the spool: delrin]
6. Molla: acciaio [spring: steel]
7. Guarnizione O-Ring: NBR
8. Guarnizione O-Ring 4x1: NBR
9. Guarnizione O-Ring sagomato: NBR [shaped O-Ring: NBR]

| codice kit code of kit | utilizzabile per suitable for | | |
|---------------------------|----------------------------------|------------|------------|
| 00.036.2 | 321 MC | 321 MCA | 321 ME |
| | 321 MEA | 321 ME90 S | 321 ME90 L |
| 00.039.2 | 521 MC | 521 ME | 521 ME90 S |
| | 521 ME90 L | | |
| 00.037.2 | 321 CC | 321 EE | 321 CE |
| | 321 EE AS | 321 EE90 S | 321 EE90 L |
| 00.040.2 | 521 CC | 521 EE | 521 CE |
| | 521 EE AS | 521 EE90 S | 521 EE90 L |
| 01.014.2 | 322 MC | 322 MC SUP | 322 MCA |
| | 322 ME | 322 MEA | |
| 01.020.2 | 522 MC | 522 MC SUP | 522 ME |
| 01.015.2 | 322 CC | 322 CC SUP | 322 CE |
| | 322 EE | 322 EE AS | |
| 01.021.2 | 522 CC | 522 CC SUP | 522 CE |
| | 522 EE | 522 EE AS | |

| codice kit code of kit | utilizzabile per suitable for | | |
|---------------------------|----------------------------------|-------------|-------------|
| 00.038.2 | 321 EED | 321 EFP | 321 CCD |
| | 321 CFP | | |
| 00.041.2 | 521 EED | 521 EFP | 521 CCD |
| | 521 CFP | | |
| 01.019.2 | 322 EED | 322 EFP | 322 CCD |
| | 322 CFP | | |
| 01.022.2 | 522 EED | 522 EFP | 522 CCD |
| | 522 CFP | | |
| 00.050.2 | 321 ME AS | | |
| 01.035.2 | 322 ME AS | | |
| 00.051.2 | 521 ME AS | | |
| 01.036.2 | 522 ME AS | | |
| 00.108.2 | 5213C CC | 5213A CC | 5213P CC |
| | 5213C EE | 5213A EE | 5213P EE |
| | 5213C EE AS | 5213A EE AS | 5213P EE AS |
| 01.061.2 | 5223C CC | 5223A CC | 5223P CC |
| | 5223C EE | 5223A EE | 5223P EE |
| | 5223C EE AS | 5223A EE AS | 5223P EE AS |

bobine e connettori 22 mm

22 mm coils and connectors



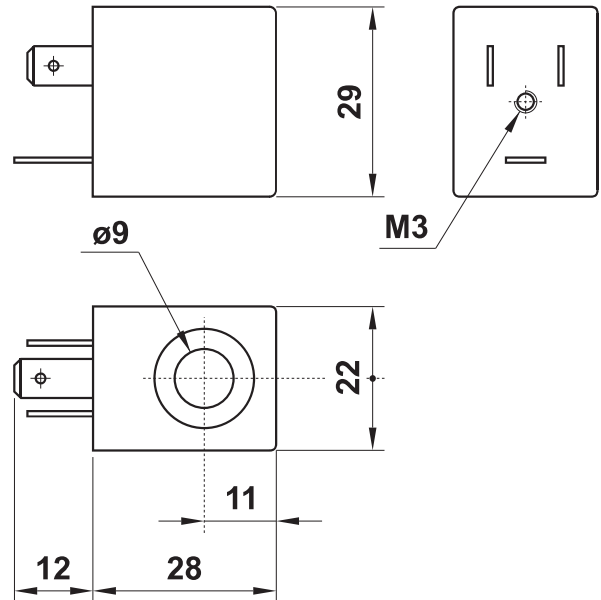
22 mm



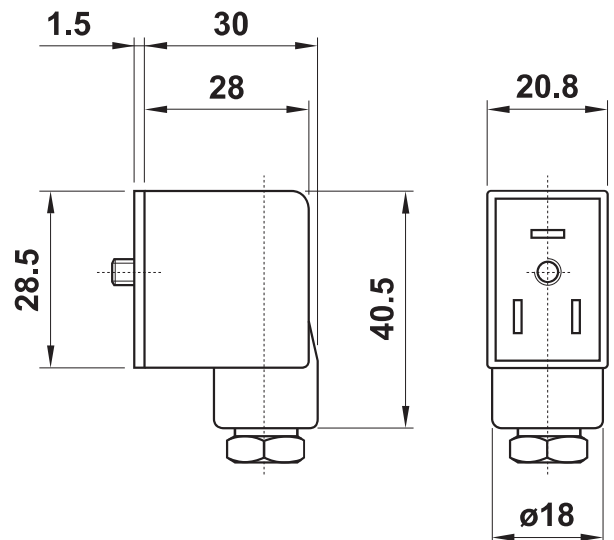
| | | |
|---|---------|---|
| temperatura max di esercizio | +50 °C | max working temperature |
| inserimento | ED 100% | duty cycle |
| protezione con connettore correttamente montato | IP 65 | protection with connector correctly mounted |
| tolleranza di tensione | ±10% | tension tolerance |

- a richiesta basso assorbimento 1.5W
low consumption (1.5W) on request

| codice code | tensione tension | consumo - power | |
|----------------|---------------------|-------------------|---------------------|
| | | a regime rated | di spunto inrush |
| 00.167.0 | 12V DC | 3W | |
| 00.028.0 | 24V DC | 3W | |
| 00.029.0 | 24V 50/60Hz | 5VA | 7.5VA |
| 00.030.0 | 110V 50/60Hz | 5VA | 7.5VA |
| 00.031.0 | 220V 50/60Hz | 5VA | 7.5VA |



| codice code | colore colour | cavo cable | tipo type |
|----------------|----------------------------|---------------|---|
| 00.197.0 | nero black | PG09 | normale standard |
| 00.344.0 | trasparente transparent | PG09 | con LED 24V with LED 24V |
| 00.345.0 | trasparente transparent | PG09 | con LED 24V e VDR with LED 24V and VDR |
| 00.346.0 | trasparente transparent | PG09 | con LED 115V with LED 115V |
| 00.347.0 | trasparente transparent | PG09 | con LED 115V e VDR with LED 115V and VDR |
| 00.394.0 | trasparente transparent | PG09 | con LED 230V with LED 230V |
| 00.395.0 | trasparente transparent | PG09 | con LED 230V e VDR with LED 230V and VDR |



PEZZI DI RICAMBIO - spare parts

| | |
|--|--|
| <p>canotto per elettropilota armature for solenoid pilot</p> <p>NC : 00.088.0 NA (NO) : 00.306.0</p> | <p>ghiera in alluminio e rondella aluminium nut and elastic ring</p> <p>00.125.2</p> |
| | <p>ghiera in plastica nut in plastic material</p> <p>00.186.0</p> |

valvole ad azion. elettropn. con sede sensore

solenoid actuated valves with slot for magnetic sensor



Modalità di funzionamento

Alle valvole ad azionamento elettropneumatico della serie 521 (G1/8") e 522 (G1/4") è stata aggiunta una sede per sensore magnetico che rileva la posizione della spola. Se la spola rimane in posizione azionata quando dovrebbe essere in posizione di riposo, il segnale restituito dal sensore può essere utilizzato ad esempio per comandare una valvola di messa a scarico dell'intero circuito o un segnale di allarme.

Possono essere utilizzati i sensori Hall PNP per cava a C (vedi pag. 660-661).

Non sono ammessi campi magnetici di disturbo in prossimità dei sensori.

Valve operation

To the solenoid actuated valves of the series 521 (G1/8") and 522 (G1/4"), a slot for magnetic sensor has been added. The magnetic sensor detects the position of the spool. If the spool remains in the actuated position when it should be in the idle position, the signal provided by the sensor can be used, for example, to control a quick exhaust valve for the entire circuit or to activate an alarm signal.

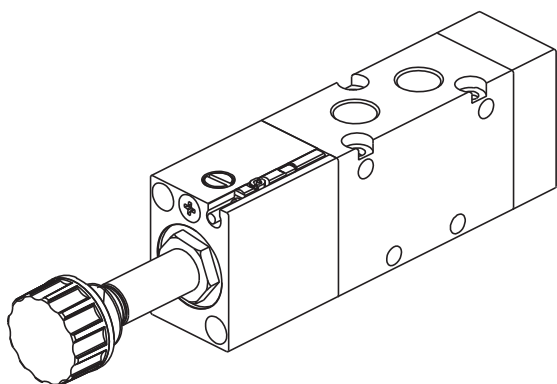
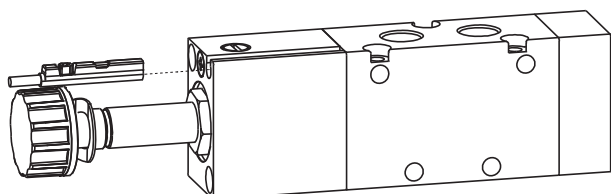
Hall PNP sensors for C-slot can be used (refer to page 660-661).
Disturbing magnetic fields near the sensors are not allowed.

Schema di montaggio sensori

Sensor assembling scheme

Sensore diritto per cava a C

Straight sensor for C-slot



Sensori utilizzabili:

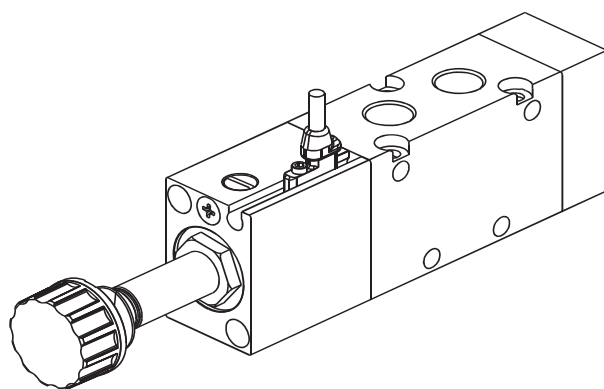
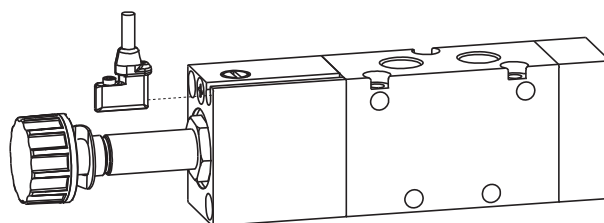
Usable sensors:

E3A-2C (26.547.0)

E3A-M8C (26.564.0)

Sensore a 90° per cava a C

90° sensor for C-slot



Sensori utilizzabili:

Usable sensors:

E3A90-M8C (26.548.0)

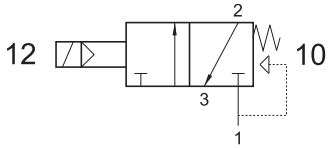
valvole ad azion. elettropn. con sede sensore

solenoid actuated valves with slot for magnetic sensor

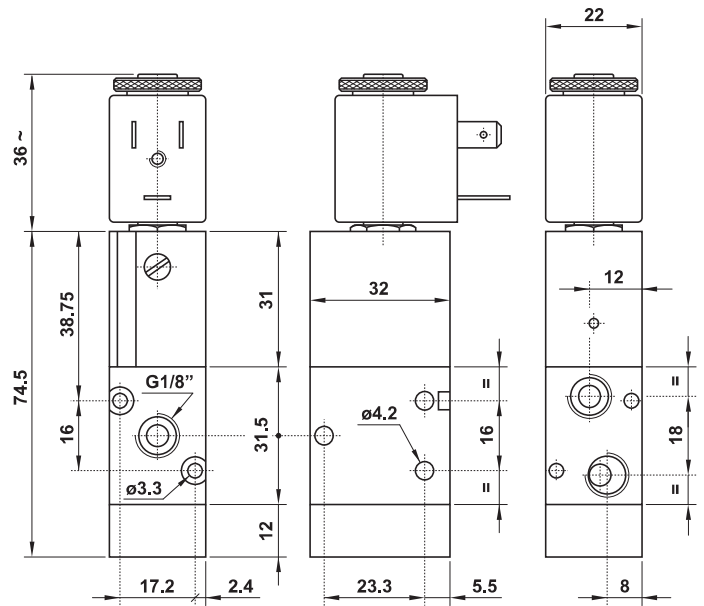
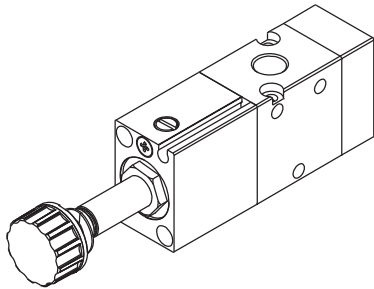


321S ME

3/2 1/8" NC comando elettrico - ritorno a molla, con sede sensore
 3/2 1/8" NC solenoid pilot - spring return, with slot for magnetic sensor

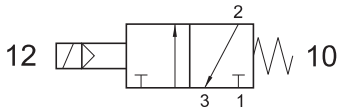


Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.



321S MRE

3/2 1/8" NC com. elettr. - ritorno a molla RINFORZATA, con sede sensore
 3/2 1/8" NC solenoid pilot - REINFORCED spring return, with slot for magnetic sensor

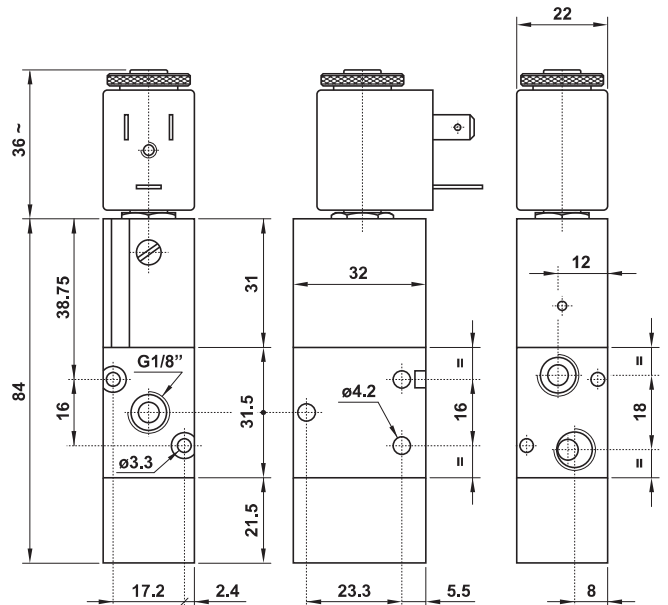


Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.

Pressione di esercizio: 2.5 ... 10 bar
 Working pressure: 2.5 ... 10 bar

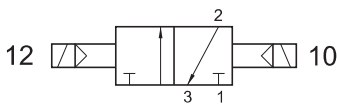
La molla rinforzata permette un ritorno efficace della spola anche in assenza di aria.
 The reinforced spring allows a prompt return of the spool also in lack of air.

Attenzione: il fondello per molla rinforzata è più lungo rispetto al fondello di una valvola con ritorno a molla normale.
 Attention: the bottom end cap for reinforced spring return is longer than the end cap for normal spring return.

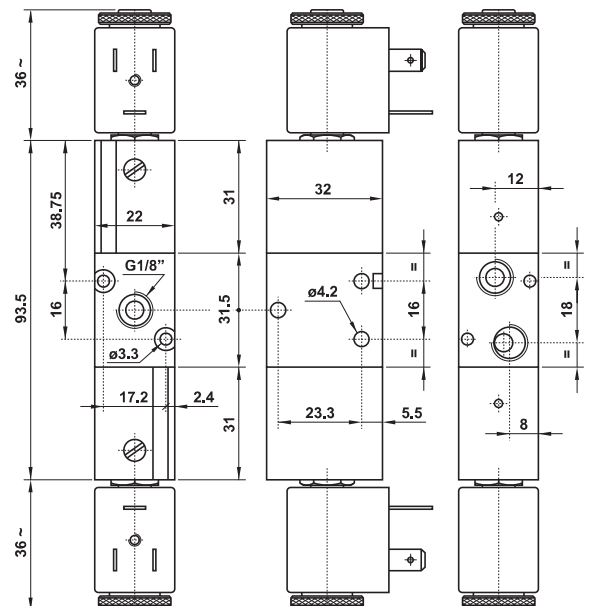
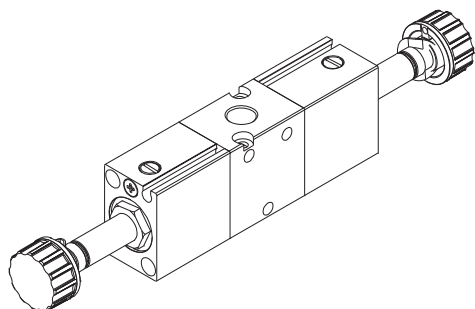


321S EE

3/2 1/8" doppio comando elettrico, con sede sensore
 3/2 1/8" double solenoid pilot, with slot for magnetic sensor



SOLO VERSIONE IN ALLUMINIO
 ONLY ALUMINIUM VERSION



valvole ad azion. elettropn. con sede sensore

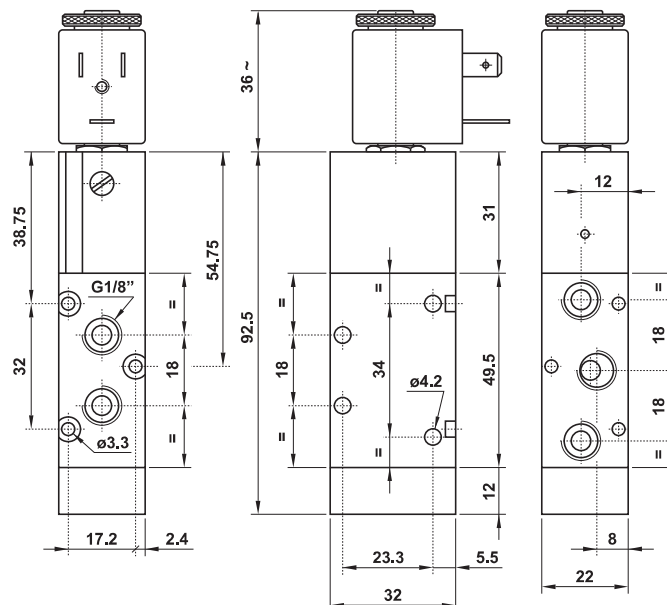
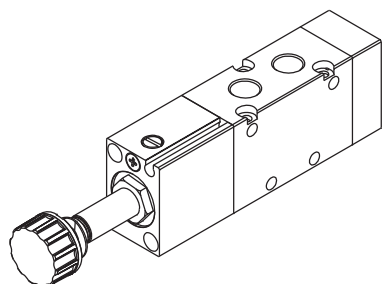
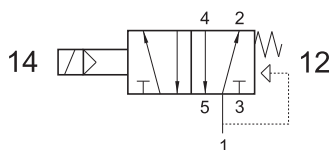
solenoid actuated valves with slot for magnetic sensor



521S ME

5/2 1/8" comando elettrico - ritorno a molla, con sede sensore

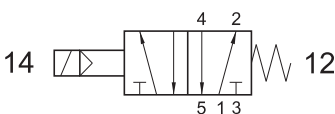
5/2 1/8" solenoid pilot - spring return, with slot for magnetic sensor



521S MRE

5/2 1/8" com. elettrico - ritorno a molla RINFORZATA, con sede sensore

5/2 1/8" solenoid pilot - REINFORCED spring return, with slot for magnetic sensor



Pressione di esercizio: 2.5 ... 10 bar

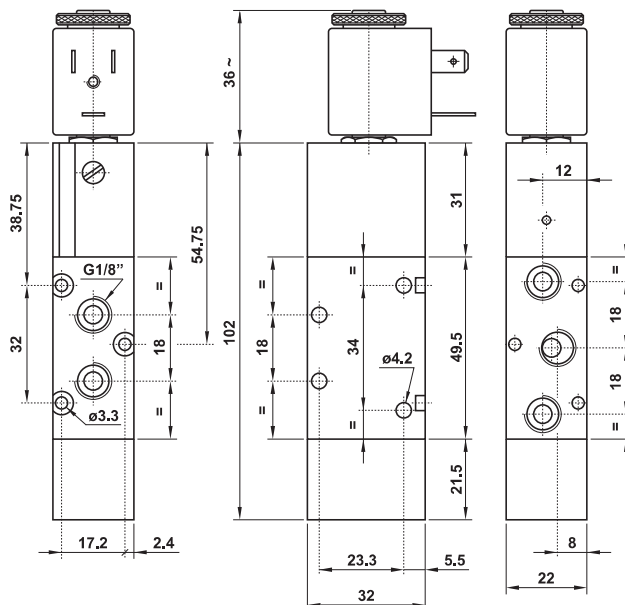
Working pressure: 2.5 ... 10 bar

La molla rinforzata permette un ritorno efficace della spola anche in assenza di aria.

The reinforced spring allows a prompt return of the spool also in lack of air.

Attenzione: il fondello per molla rinforzata è più lungo rispetto al fondello di una valvola con ritorno a molla normale.

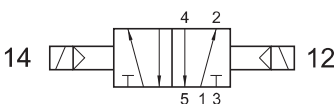
Attention: the bottom end cap for reinforced spring return is longer than the end cap for normal spring return.



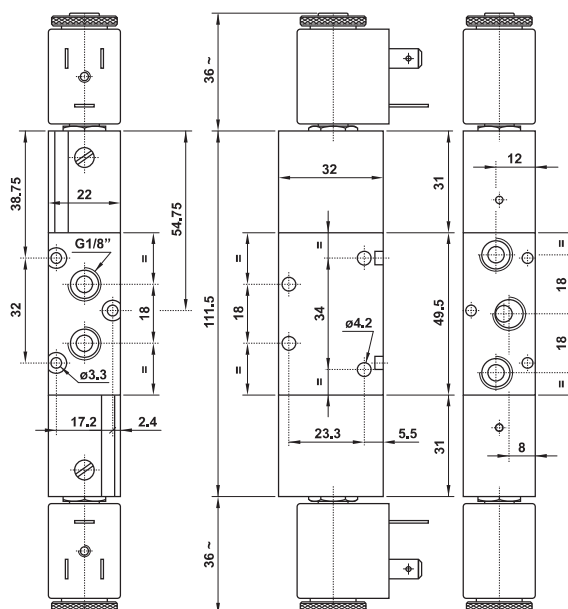
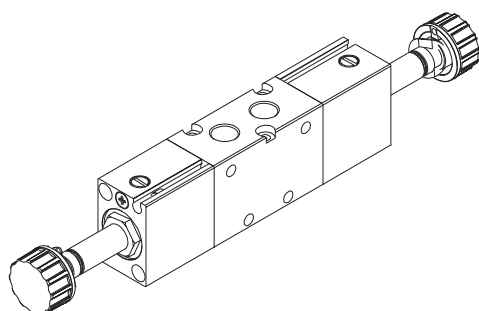
521S EE

5/2 1/8" doppio comando elettrico, con sede sensore

5/2 1/8" double solenoid pilot, with slot for magnetic sensor



SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



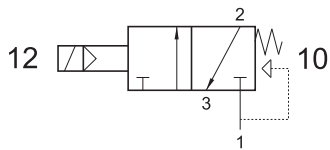
valvole ad azion. elettropn. con sede sensore

solenoid actuated valves with slot for magnetic sensor

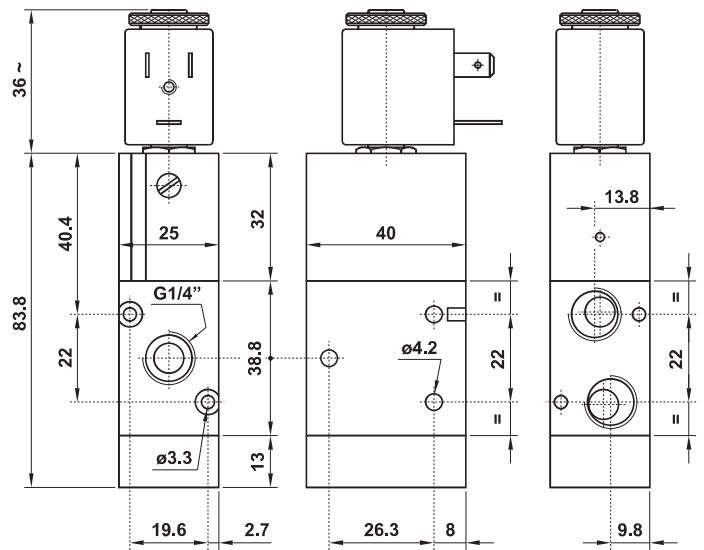
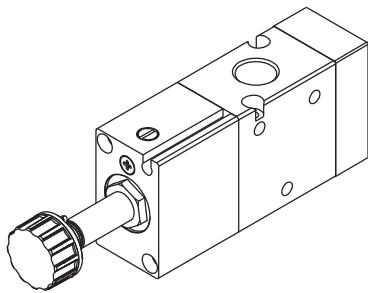


322S ME

3/2 1/4" NC comando elettrico - ritorno a molla, con sede sensore
 3/2 1/4" NC solenoid pilot - spring return, with slot for magnetic sensor

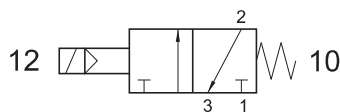


Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.



322S MRE

3/2 1/4" NC com. elettr. - rit. a molla RINFORZATA, con sede sensore
 3/2 1/4" NC solenoid pilot - REINFORCED spring return, with slot for magnetic sensor



Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.

Pressione di esercizio: 2.5 ... 10 bar

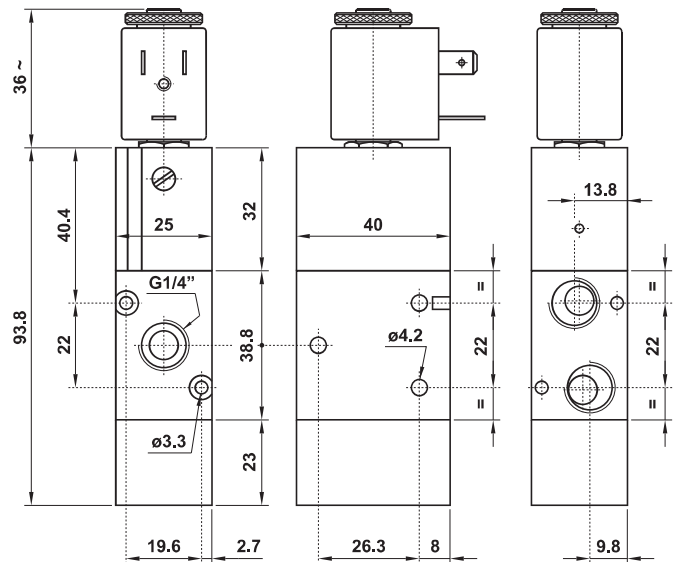
Working pressure: 2.5 ... 10 bar

La molla rinforzata permette un ritorno efficace della spola anche in assenza di aria.

The reinforced spring allows a prompt return of the spool also in lack of air.

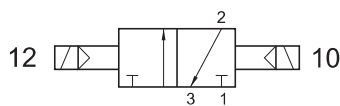
Attenzione: il fondello per molla rinforzata è più lungo rispetto al fondello di una valvola con ritorno a molla normale.

Attention: the bottom end cap for reinforced spring return is longer than the end cap for normal spring return.

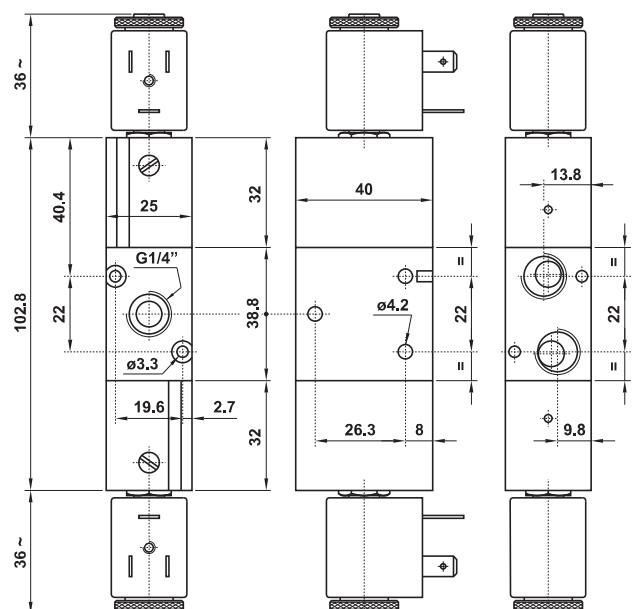
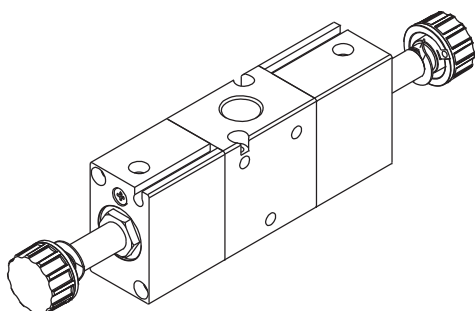


322S EE

3/2 1/4" doppio comando elettrico, con sede sensore
 3/2 1/4" double solenoid pilot, with slot for magnetic sensor



SOLO VERSIONE IN ALLUMINIO
 ONLY ALUMINIUM VERSION



valvole ad azion. elettropn. con sede sensore

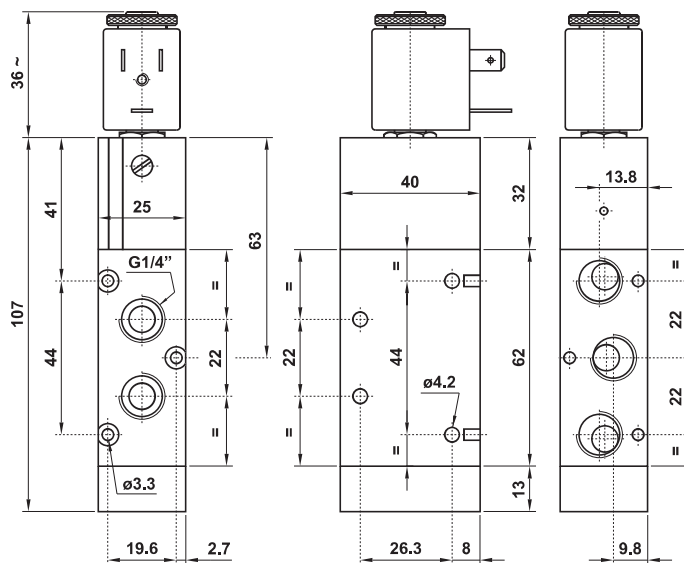
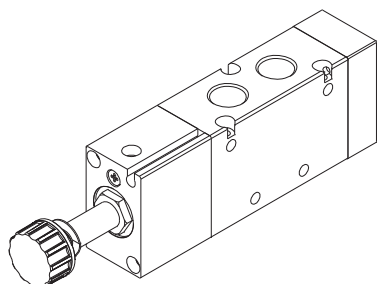
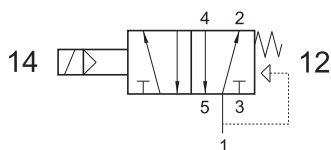
solenoid actuated valves with slot for magnetic sensor



522S ME

5/2 1/4" comando elettrico - ritorno a molla, con sede sensore

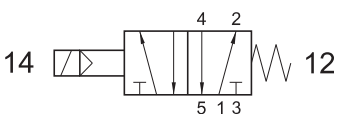
5/2 1/4" solenoid pilot - spring return, with slot for magnetic sensor



522S MRE

5/2 1/4" com. elettr. - ritorno a molla RINFORZATA, con sede sensore

5/2 1/4" solenoid pilot - REINFORCED spring return, with slot for magnetic sensor



Pressione di esercizio: 2.5 ... 10 bar

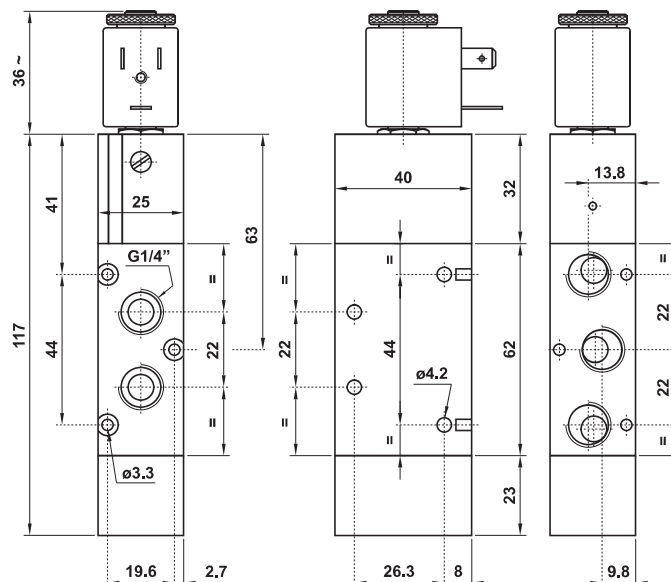
Working pressure: 2.5 ... 10 bar

La molla rinforzata permette un ritorno efficace della spola anche in assenza di aria.

The reinforced spring allows a prompt return of the spool also in lack of air.

Attenzione: il fondello per molla rinforzata è più lungo rispetto al fondello di una valvola con ritorno a molla normale.

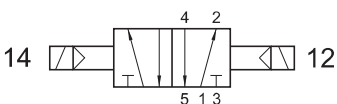
Attention: the bottom end cap for reinforced spring return is longer than the end cap for normal spring return.



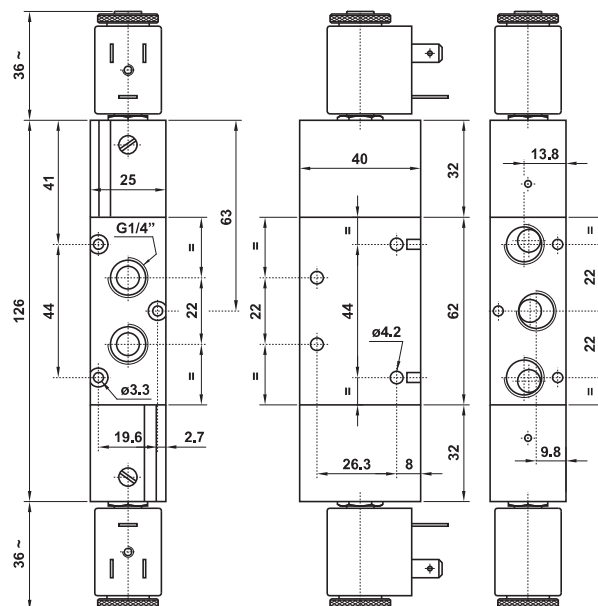
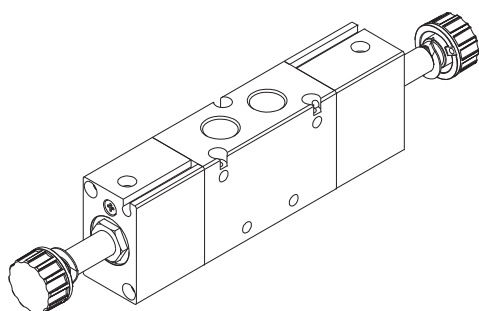
522S EE

5/2 1/4" doppio comando elettrico, con sede sensore

5/2 1/4" double solenoid pilot, with slot for magnetic sensor



SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



valvole ad azion. elettropn. con sede sensore

solenoid actuated valves with slot for magnetic sensor

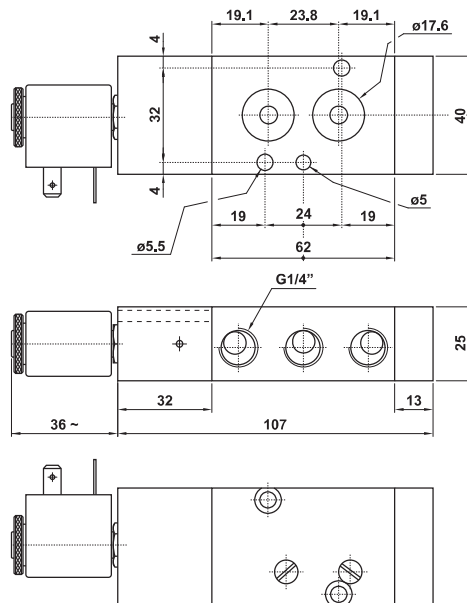
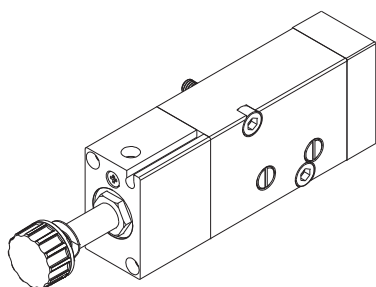
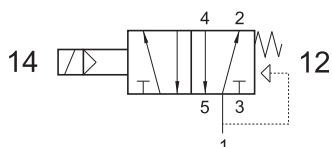


582S ME

NAMUR

5/2 comando elettrico - ritorno a molla, con sede sensore

5/2 solenoid pilot - spring return, with slot for magnetic sensor

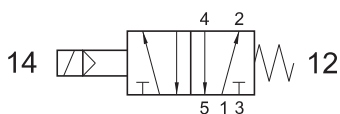


582S MRE

NAMUR

5/2 comando elettr. - ritorno a molla RINFORZATA, con sede sensore

5/2 solenoid pilot - REINFORCED spring return, with slot for magnetic sensor



Pressione di esercizio: 2.5 ... 10 bar

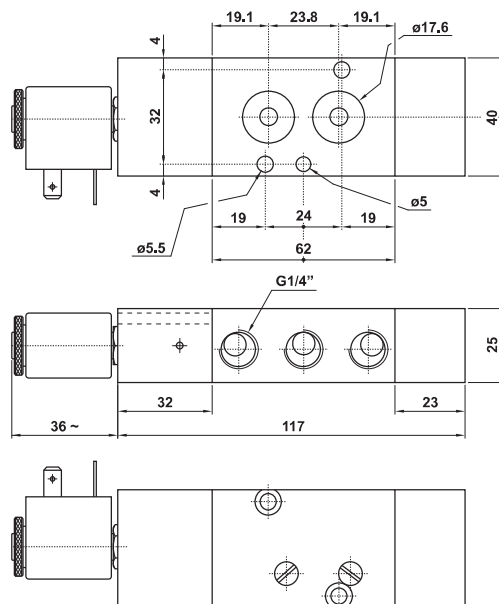
Working pressure: 2.5 ... 10 bar

La molla rinforzata permette un ritorno efficace della spola anche in assenza di aria.

The reinforced spring allows a prompt return of the spool also in lack of air.

Attenzione: il fondello per molla rinforzata è più lungo rispetto al fondello di una valvola con ritorno a molla normale.

Attention: the bottom end cap for reinforced spring return is longer than the end cap for normal spring return.

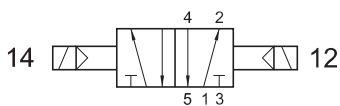


582S EE

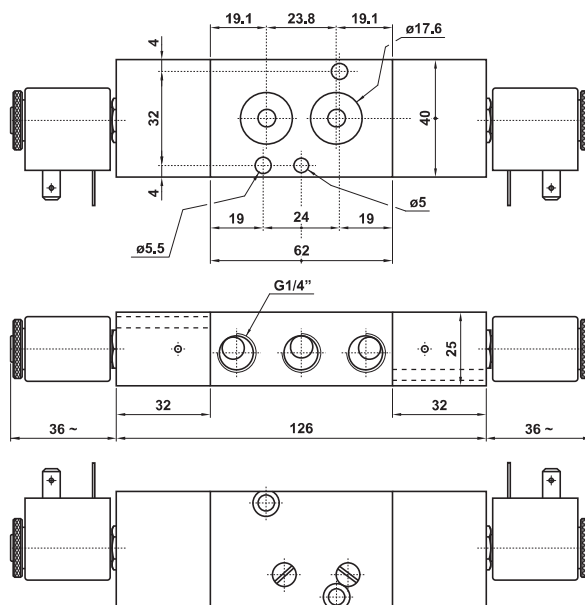
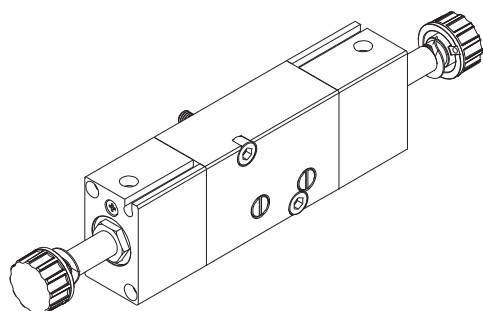
NAMUR

5/2 doppio comando elettrico, con sede sensore

5/2 double solenoid pilot, with slot for magnetic sensor



SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



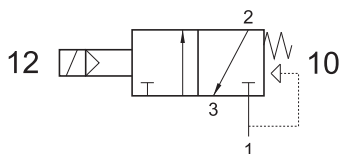


321 ME MIC xx

3/2 1/8" NC comando elettrico con elettropilota 15 mm

3/2 1/8" NC with 15 mm solenoid pilot

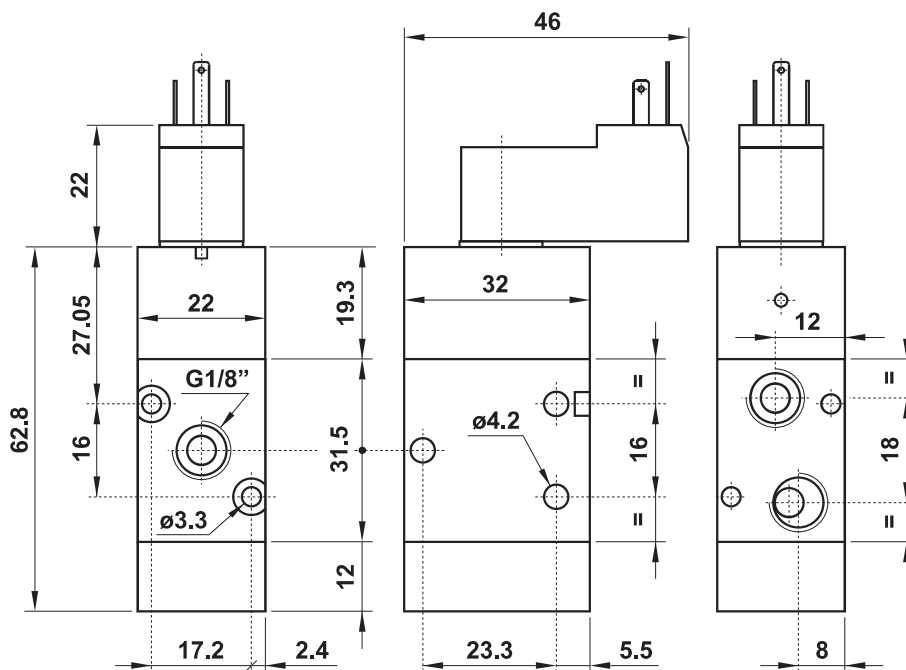
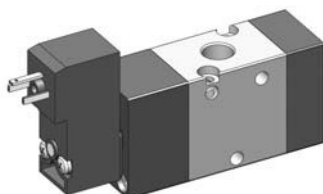
La valvola è venduta con elettropilota/i montato/i (per i dati tecnici vedi pag. 221).
The valve is sold with mounted solenoid pilot(s); for technical data refer to page 221.



Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.

Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

| | |
|-------------|----|
| 24V DC | 01 |
| 24V 50/60Hz | 02 |

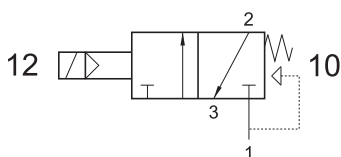


322 ME MIC xx

3/2 1/4" NC comando elettrico con elettropilota 15 mm

3/2 1/4" NC with 15 mm solenoid pilot

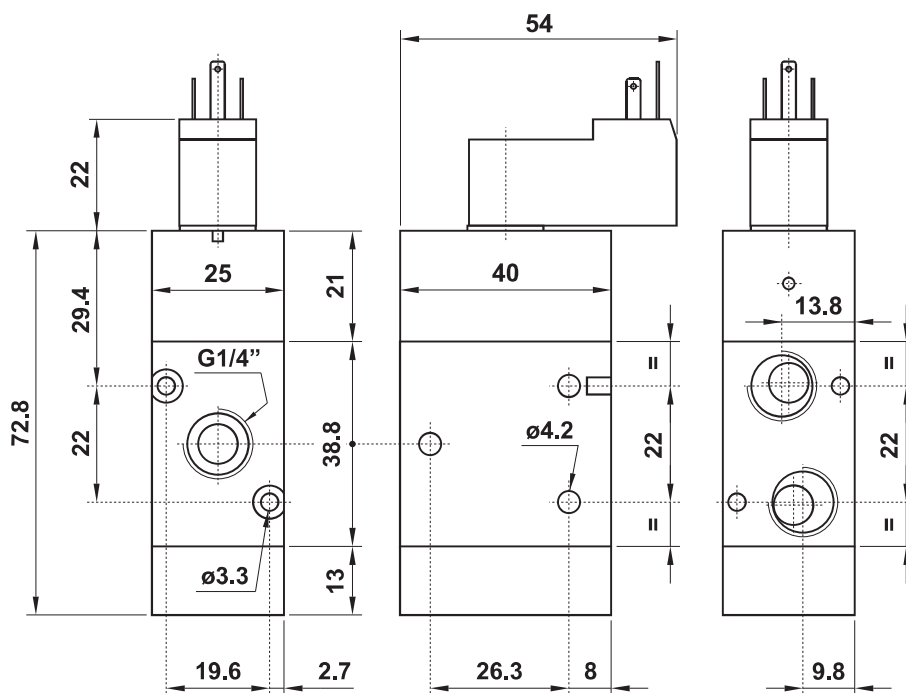
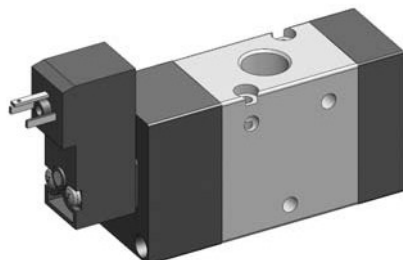
La valvola è venduta con elettropilota/i montato/i (per i dati tecnici vedi pag. 221).
The valve is sold with mounted solenoid pilot(s); for technical data refer to page 221.



Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.

Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

| | |
|-------------|----|
| 24V DC | 01 |
| 24V 50/60Hz | 02 |



valvole ad azionamento elettropneumatico

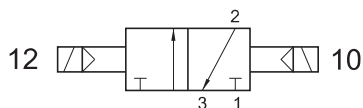
solenoid actuated valves



321 EE MIC xx

3/2 1/8" doppio comando elettrico con elettropilota 15 mm
3/2 1/8" with double 15 mm solenoid pilot

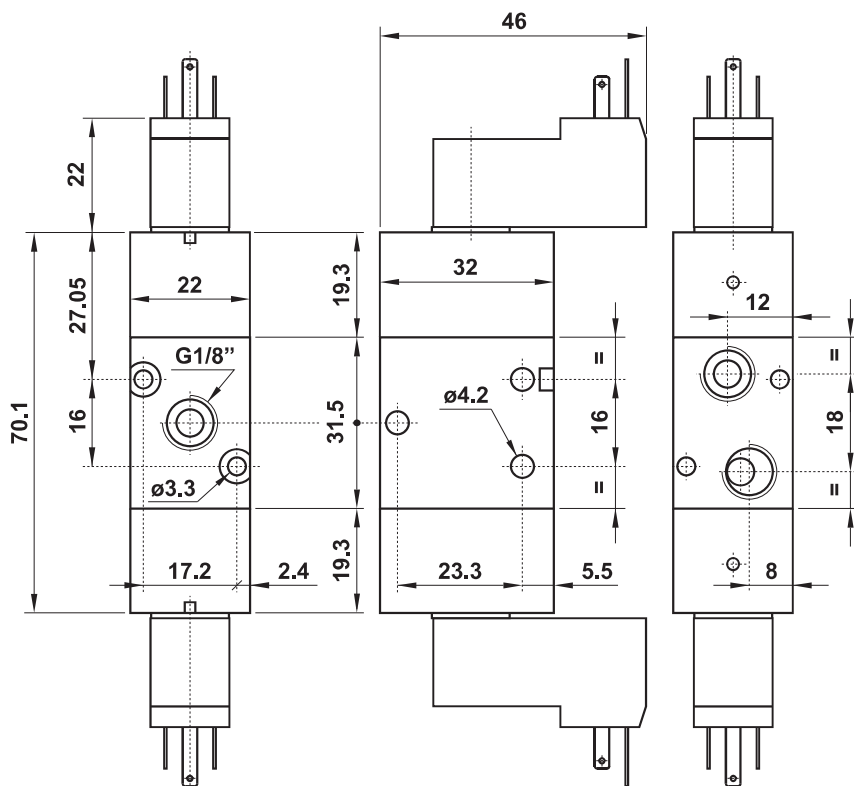
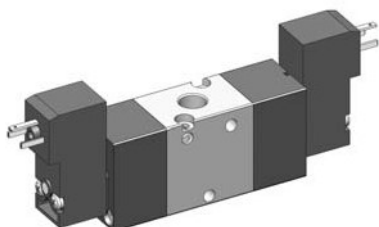
La valvola è venduta con elettropilota/i montato/i (per i dati tecnici vedi pag. 221).
The valve is sold with mounted solenoid pilot(s); for technical data refer to page 221.



SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION

Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

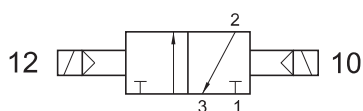
| | |
|-------------|----|
| 24V DC | 01 |
| 24V 50/60Hz | 02 |



322 EE MIC xx

3/2 1/4" doppio comando elettrico con elettropilota 15 mm
3/2 1/4" with double 15 mm solenoid pilot

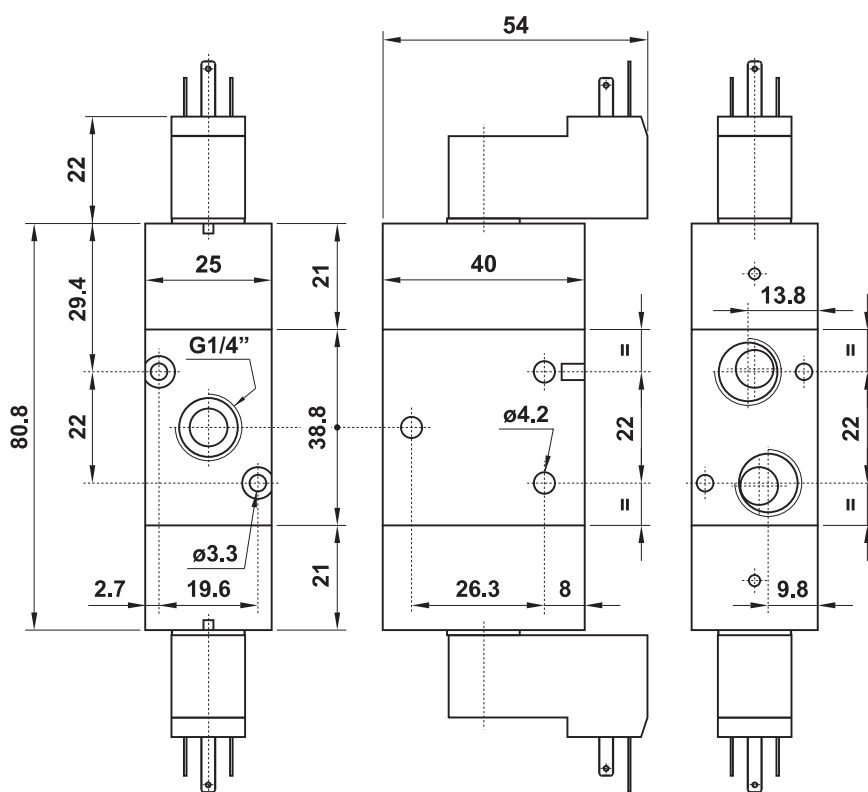
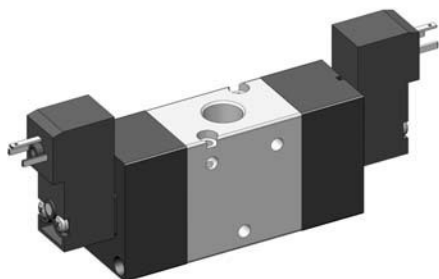
La valvola è venduta con elettropilota/i montato/i (per i dati tecnici vedi pag. 221).
The valve is sold with mounted solenoid pilot(s); for technical data refer to page 221.



SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION

Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

| | |
|-------------|----|
| 24V DC | 01 |
| 24V 50/60Hz | 02 |



valvole ad azionamento elettropneumatico

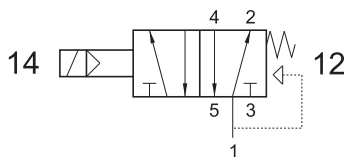
solenoid actuated valves



521 ME MIC xx

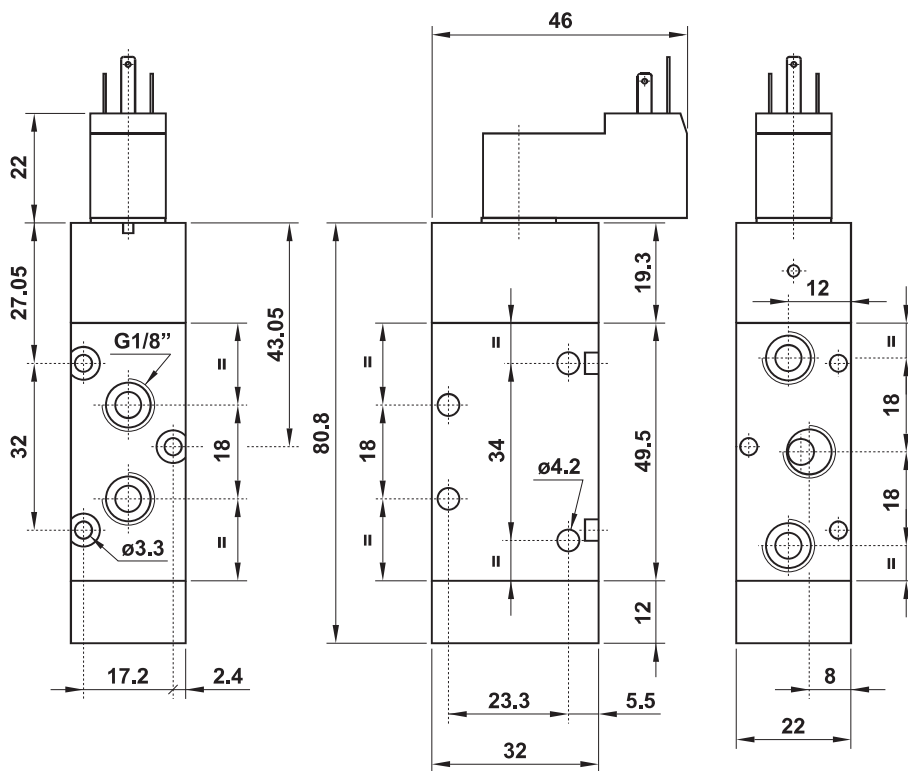
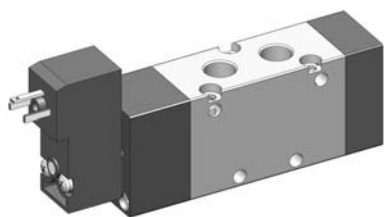
5/2 1/8" comando elettrico con elettropilota 15 mm
5/2 1/8" with 15 mm solenoid pilot

La valvola è venduta con elettropilota/i montato/i (per i dati tecnici vedi pag. 221).
The valve is sold with mounted solenoid pilot(s); for technical data refer to page 221.



Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

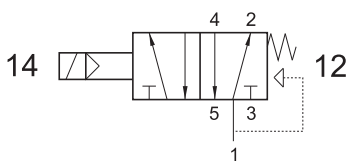
24V DC 01
24V 50/60Hz 02



522 ME MIC xx

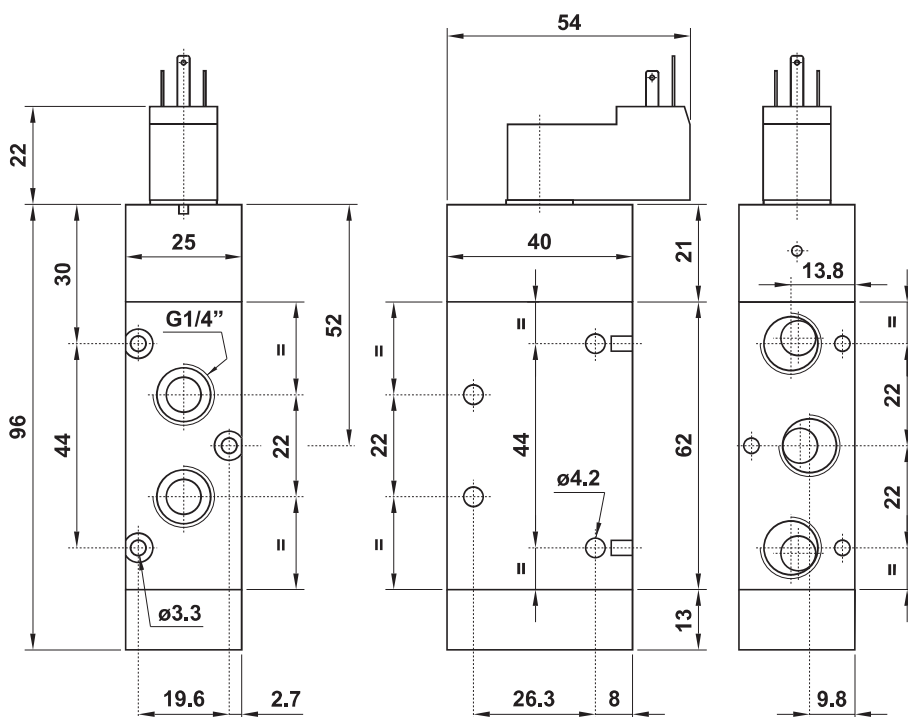
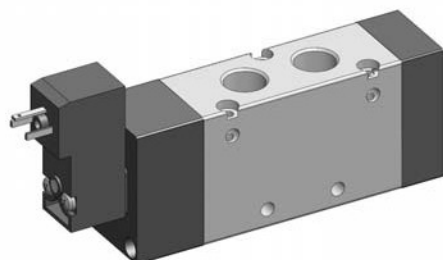
5/2 1/4" comando elettrico con elettropilota 15 mm
5/2 1/4" with 15 mm solenoid pilot

La valvola è venduta con elettropilota/i montato/i (per i dati tecnici vedi pag. 221).
The valve is sold with mounted solenoid pilot(s); for technical data refer to page 221.



Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

24V DC 01
24V 50/60Hz 02



valvole ad azionamento elettropneumatico

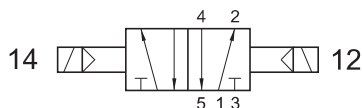
solenoid actuated valves



521 EE MIC xx

5/2 1/8" doppio comando elettrico con elettropilota 15 mm
5/2 1/8" with double 15 mm solenoid pilot

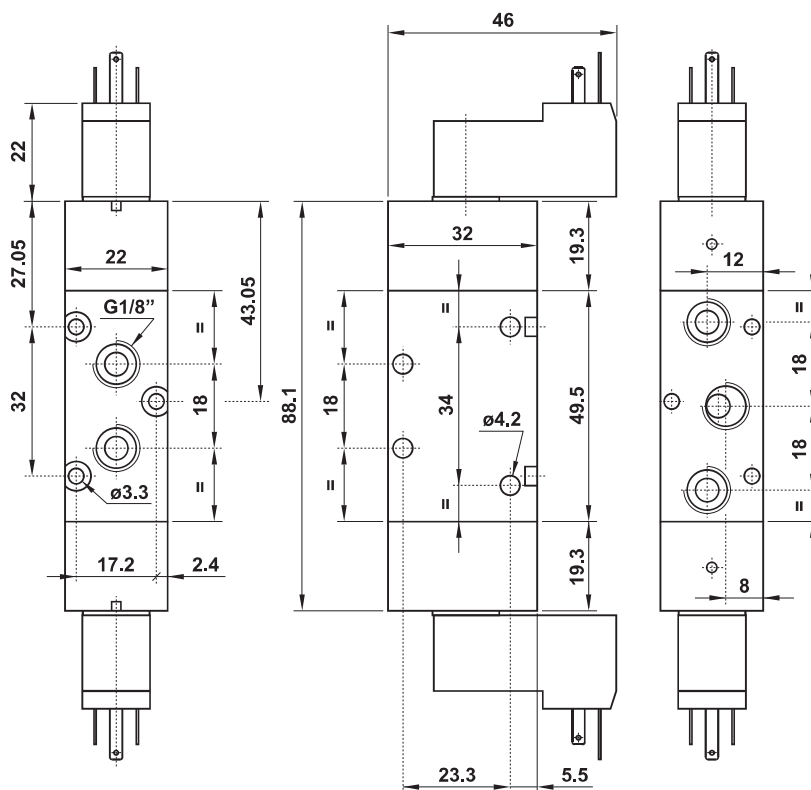
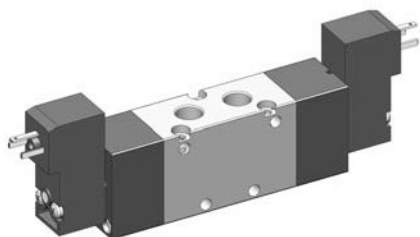
La valvola è venduta con elettropilota/i montato/i (per i dati tecnici vedi pag. 221).
The valve is sold with mounted solenoid pilot(s); for technical data refer to page 221.



SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION

Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

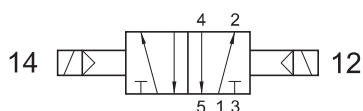
- | | |
|-------------|----|
| 24V DC | 01 |
| 24V 50/60Hz | 02 |



522 EE MIC xx

5/2 1/4" doppio comando elettrico con elettropilota 15 mm
5/2 1/4" with double 15 mm solenoid pilot

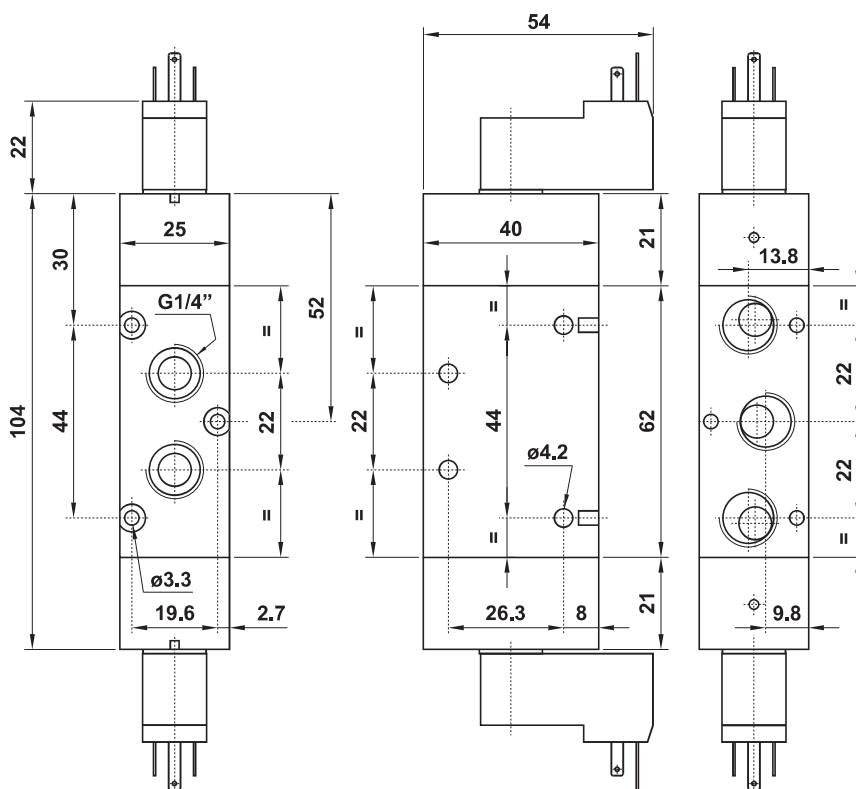
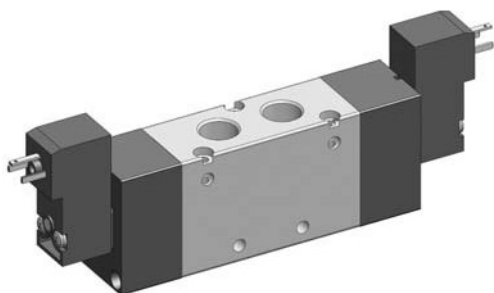
La valvola è venduta con elettropilota/i montato/i (per i dati tecnici vedi pag. 221).
The valve is sold with mounted solenoid pilot(s); for technical data refer to page 221.



SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION

Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

- | | |
|-------------|----|
| 24V DC | 01 |
| 24V 50/60Hz | 02 |

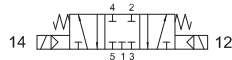


valvole ad azionamento elettropneumatico

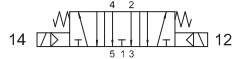
solenoid actuated valves



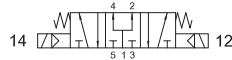
5213C EE MIC xx centri chiusi
closed centres



5213A EE MIC xx centri aperti
open centres



5213P EE MIC xx centri in pressione
pressurized centres

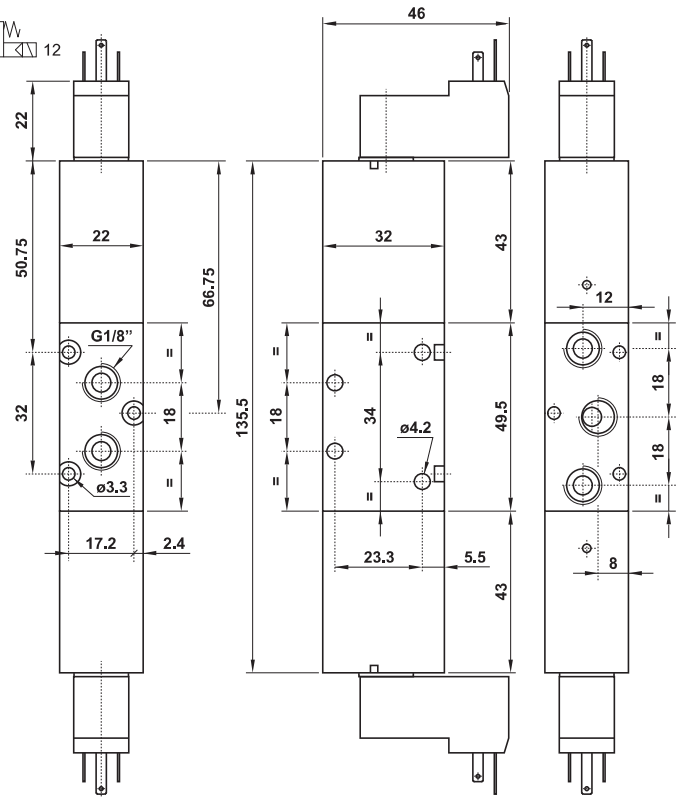
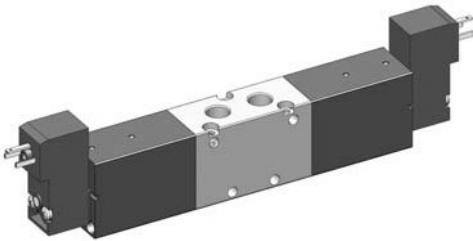


5/3 1/8" doppio comando elettrico con elettropilota 15 mm
5/3 1/8" with double 15 mm solenoid pilot

SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION

Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

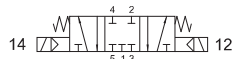
24V DC 01
24V 50/60Hz 02



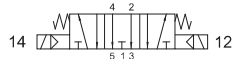
La valvola è venduta con elettropilota/i montato/i (per i dati tecnici vedi pag. 221).

The valve is sold with mounted solenoid pilot(s); for technical data refer to page 221.

5223C EE MIC xx centri chiusi
closed centres



5223A EE MIC xx centri aperti
open centres



5223P EE MIC xx centri in pressione
pressurized centres

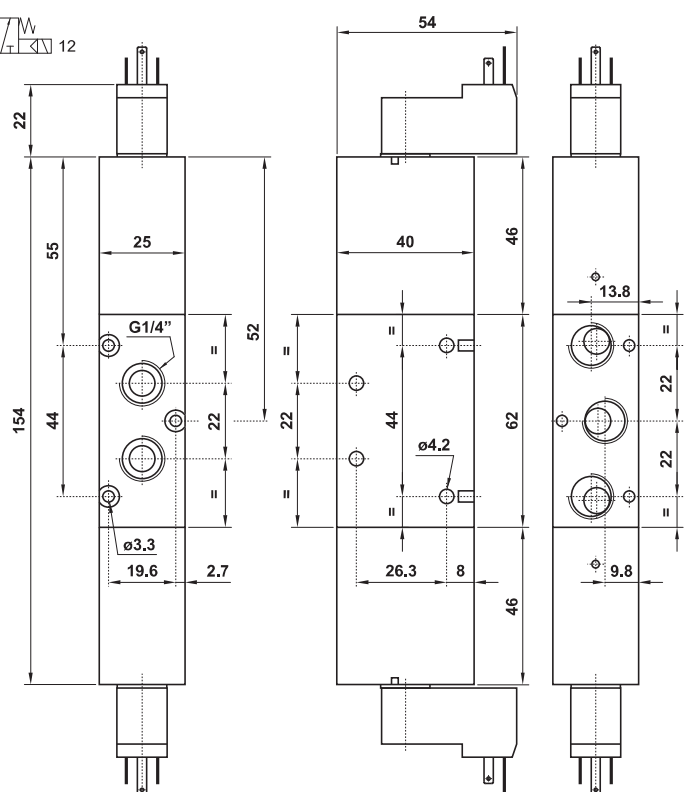
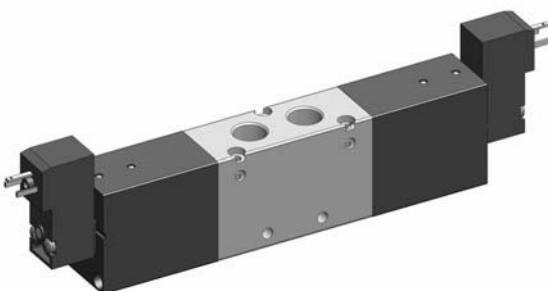


5/3 1/4" doppio comando elettrico con elettropilota 15 mm
5/3 1/4" with double 15 mm solenoid pilot

SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION

Nella sigla del prodotto sostituire le lettere "xx" con l'indicazione della tensione.
In the part number replace "xx" with the reference of the solenoid tension.

24V DC 01
24V 50/60Hz 02



La valvola è venduta con elettropilota/i montato/i (per i dati tecnici vedi pag. 221).

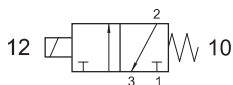
The valve is sold with mounted solenoid pilot(s); for technical data refer to page 221.

elettropiloti e connettori 15 mm

15 mm solenoids and connectors



15 mm

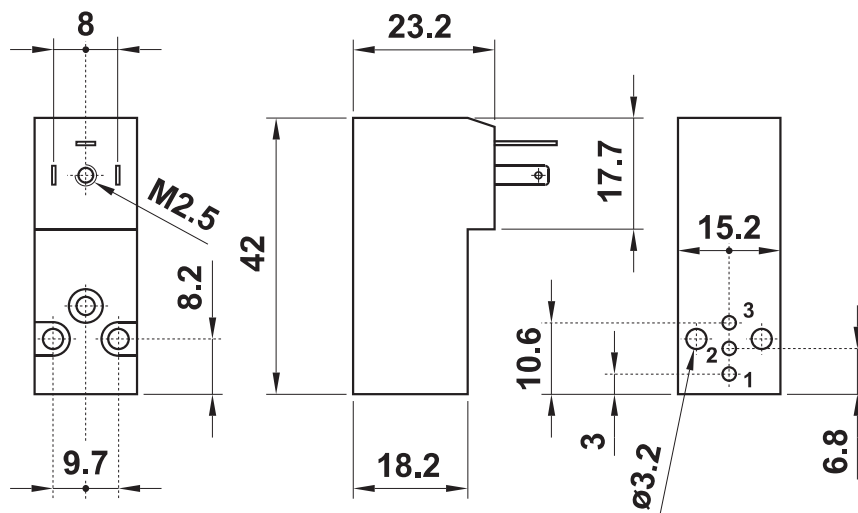


| | | |
|------------------------------|---------------------|-------------------------|
| funzione della valvola | 3/2 NC | valve function |
| diámetro nominale | 1.1 mm | nominal orifice |
| portata 1-2 | 30 NI/min | flow rate 1-2 |
| portata 2-3 | 35 NI/min | flow rate 2-3 |
| pressione di esercizio | max 10 bar | working pressure |
| durata cicli | 100x10 ⁶ | life time (cycles) |
| tempo di risposta | 10 ms | response time |
| temperatura max di esercizio | +50°C | max working temperature |
| inserimento | ED 100% | duty cycle |
| consumo a regime | DC: 2W | rated power consumption |
| | AC: 1.3VA | |
| protezione | IP 51 | protection |
| tolleranza di tensione | -10%; +15% | tension tolerance |

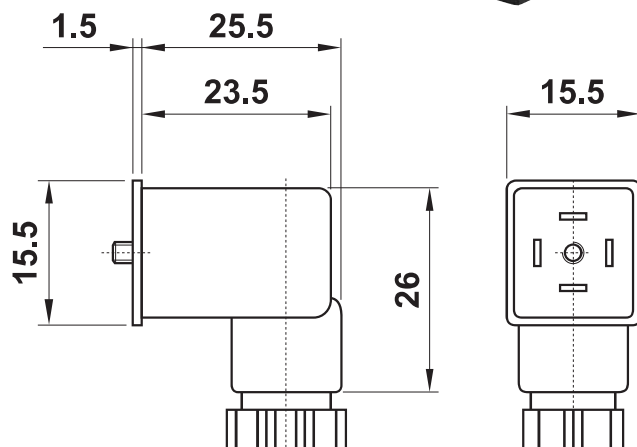
- Connessione elettrica: DIN 43650 forma C
Electrical connection: DIN 43650, C form
- Con azionatore manuale monostabile
With non-detented manual override

| ACCESSORI - accessories | |
|---|---|
| piastrina con guarnizione mounting plate with gasket |  |
| 00.414.0 | |
| vite di fissaggio (sono necessarie 2 viti) mounting screw (2 screws are necessary) |  |
| 00.413.0 | |

| codice code | tensione tension |
|----------------|---------------------|
| 00.253.0 | 12V DC |
| 00.254.0 | 24V DC |
| 00.255.0 | 24V 50/60Hz |
| 00.256.0 | 110V 50/60Hz |
| 00.257.0 | 220V 50/60Hz |



| codice code | colore colour | cavo cable | tipo type |
|----------------|----------------------------|---------------|---|
| 00.252.0 | nero black | PG07 | normale standard |
| 00.341.0 | trasparente transparent | PG07 | con LED 24V e VDR with LED 24V and VDR |
| 00.342.0 | trasparente transparent | PG07 | con LED 115V with LED 115V |
| 00.343.0 | trasparente transparent | PG07 | con LED 115V e VDR with LED 115V and VDR |
| 00.398.0 | trasparente transparent | PG07 | con LED 230V with LED 230V |
| 00.399.0 | trasparente transparent | PG07 | con LED 230V e VDR with LED 230V and VDR |

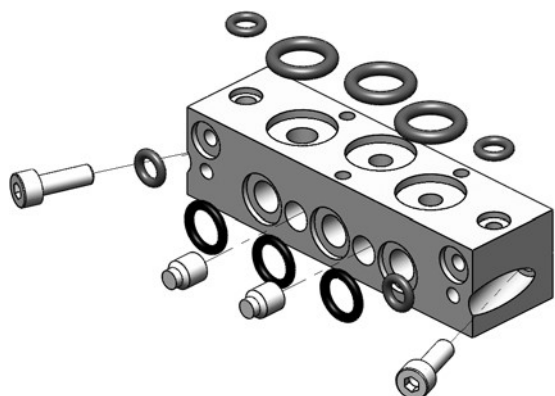
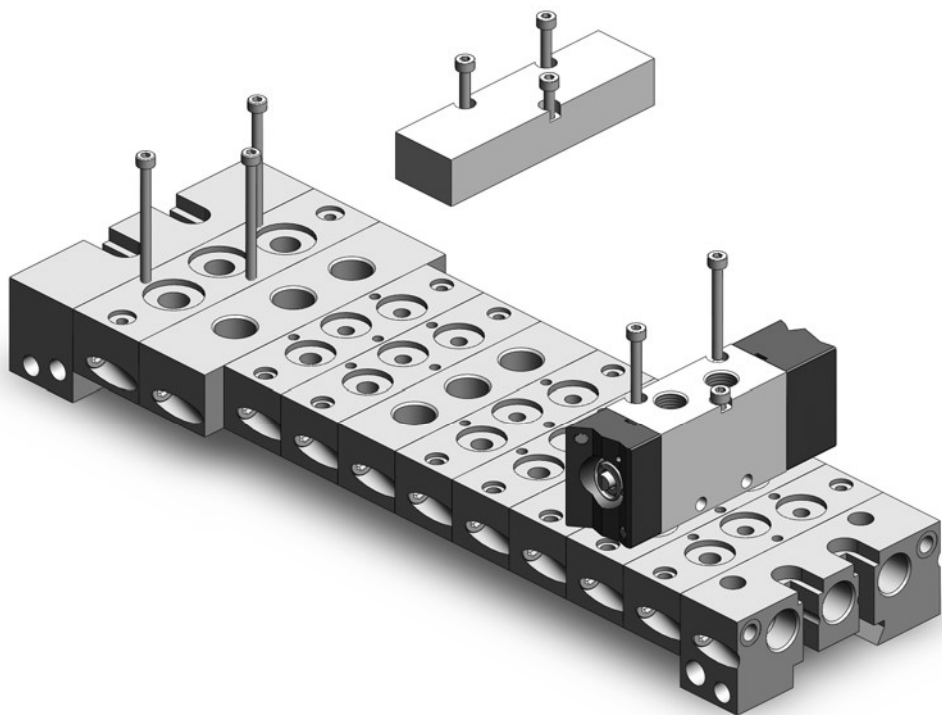
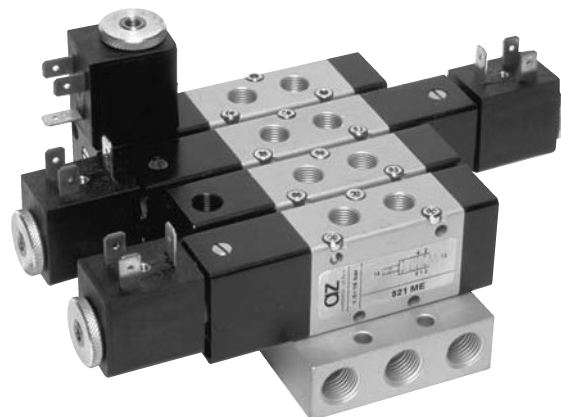


sottobasi per valvole a spola

manifolds for spool valves



- Sottobasi modulari per valvole a spola 1/8" e 1/4"
Multiple sub-bases for 1/8" and 1/4" spool valves
- Sottobasi a posti fissi per valvole a spola 1/8" e 1/4"
Manifolds for 1/8" and 1/4" spool valves
- Sottobasi speciali a richiesta
Special manifolds on request
- Materiale: alluminio anodizzato
Material: aluminium (anodize treatment)



ESEMPIO DI MONTAGGIO
assembly example

sottobasi modulari per valvole a spola

multiple sub-bases for spool valves



sottobase sub-base



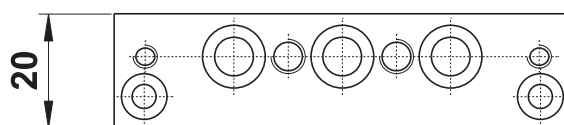
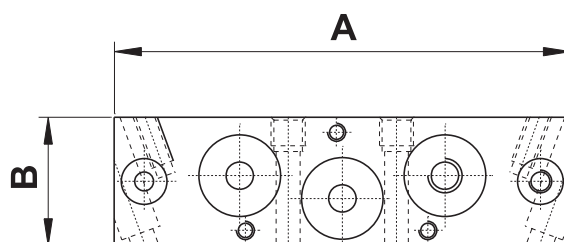
| | 1/8" | 1/8" ATEX | 1/4" | 1/4" ATEX |
|----------|------|--------------|------|--------------|
| A | 80 | 80 | 95 | 95 |
| B | 22.5 | 31 | 26 | 31 |

Le sottobasi possono essere utilizzate per il fissaggio di valvole da 1/8" o da 1/4". Ogni sottobase è venduta con i particolari necessari per il fissaggio e il montaggio della valvola.

Each sub-base is sold with all necessary components to install 1/8" or 1/4" valves.

CODICI DI ORDINAZIONE - ORDER CODES

- 07.039.2 per valvole 1/8" - for 1/8" valves
- 07.008.2 per valvole 1/8" ATEX - for 1/8" valves ATEX
- 07.052.2 per valvole 1/4" - for 1/4" valves
- 07.060.2 per valvole 1/4" ATEX - for 1/4" valves ATEX



intermedio

intermediate header



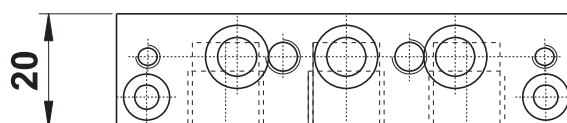
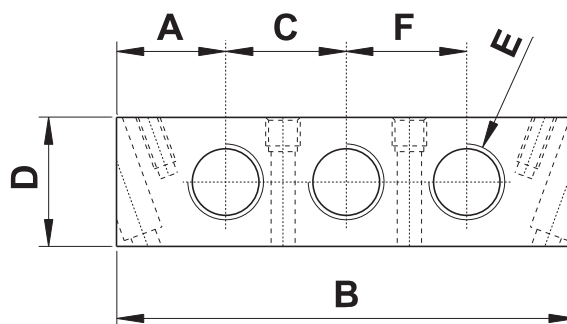
L'intermedio è utilizzabile per dividere una batteria di valvole in due parti e immettere l'aria per l'alimentazione di una delle due attraverso le connessioni di cui è dotato, e/o per dividere in due parti gli scarichi convogliati. È venduto con i pezzi necessari al suo assemblaggio.

An intermediate header with separate air supply is available to be installed in a manifold system which requires mixed operating pressures. It can be used also to divide the common exhausts. It is sold with all necessary components for installation.

CODICI DI ORDINAZIONE - ORDER CODES

- 07.040.2 per batterie di valvole 1/8" - for 1/8" manifolds
- 07.053.2 per batterie di valvole 1/4" - for 1/4" manifolds

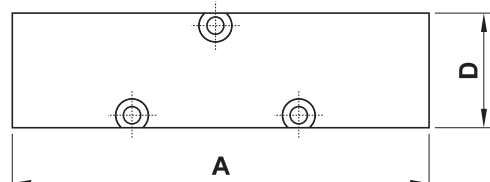
| | 1/8" | 1/4" |
|----------|---------|-------|
| A | 19 | 20 |
| B | 80 | 95 |
| C | 21 | 24 |
| D | 22.5 | 26 |
| E | G1 1/4" | G3/8" |
| F | 21 | 23 |



piastrina di chiusura

blanking plate

| | 1/8" 00.011.3 | 1/8" 00.078.2 | 1/4" 01.007.3 | 1/4" 01.078.2 |
|----------|------------------|------------------|------------------|------------------|
| A | 80 | 60 | 95 | 70 |
| D | 22 | 22 | 25 | 25 |



Venduta completa di viti, chiudi i fori di sottobasi eventualmente non utilizzate.

The blanking plate with screws is available to close manifold stations not in use.

CODICI DI ORDINAZIONE - ORDER CODES

- 00.011.3 per sottobasi modulari 1/8" - for 1/8" multiple sub-bases
- 00.078.2 per sottobasi a posti fissi 1/8" - for 1/8" manifolds
- 01.007.3 per sottobasi modulari 1/4" - for 1/4" multiple sub-bases
- 01.078.2 per sottobasi a posti fissi 1/4" - for 1/4" manifolds

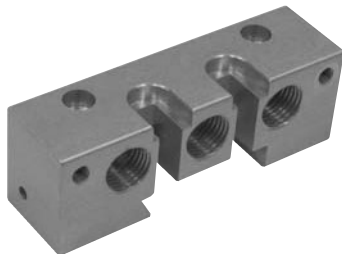
sottobasi modulari per valvole a spola

multiple sub-bases for spool valves



terminale destro G1/8"

G1/8" right inlet header



Per ogni batteria di valvole è necessario l'utilizzo di due terminali, uno destro e uno sinistro. Ogni terminale è venduto con i particolari necessari al suo assemblaggio.

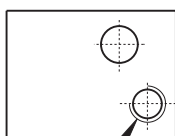
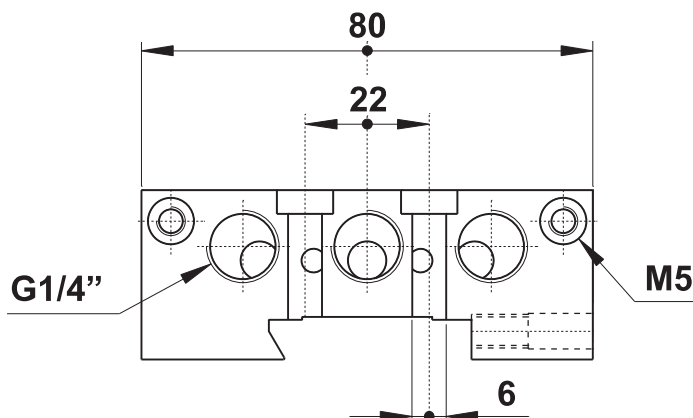
Each manifold assembly requires a right and a left hand inlet header kit.

Each inlet header is sold with all necessary components.

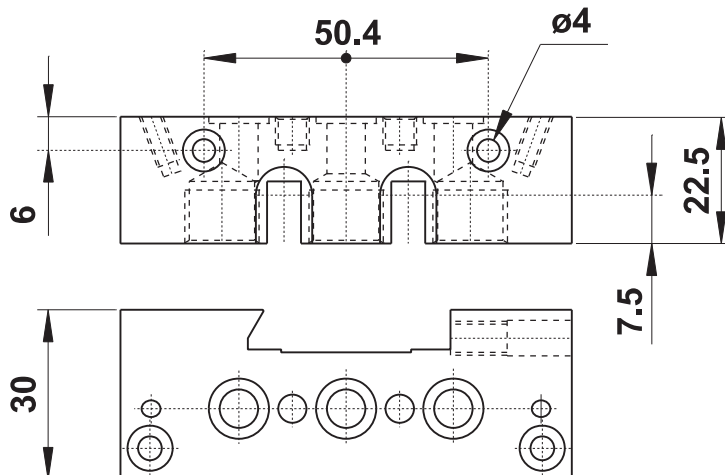
CODICE DI ORDINAZIONE

ORDER CODE

07.009.2 terminale destro per sottobasi 1/8"
right hand header for 1/8" manifolds



M6
foro per fissaggio
barra omega
mounting hole for
omega-profile



terminale sinistro G1/8"

G1/8" left inlet header



Per ogni batteria di valvole è necessario l'utilizzo di due terminali, uno destro e uno sinistro. Ogni terminale è venduto con i particolari necessari al suo assemblaggio.

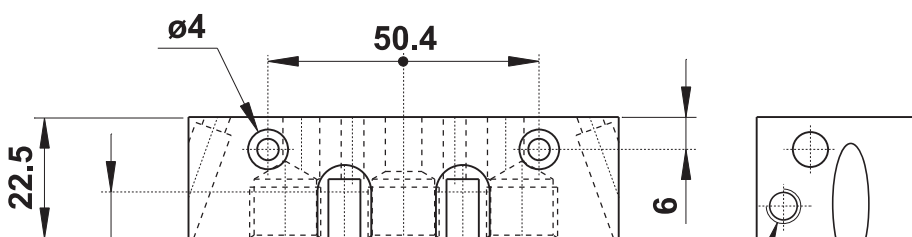
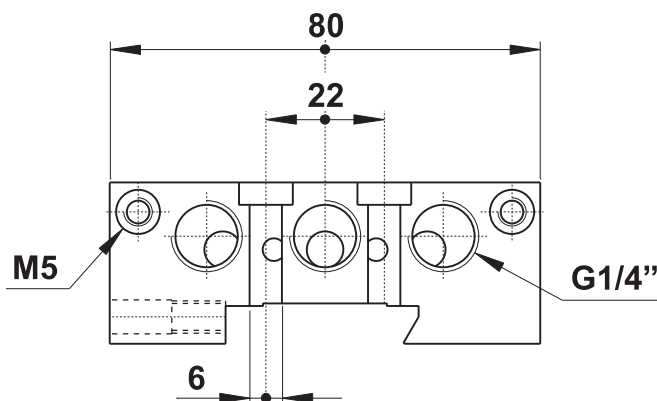
Each manifold assembly requires a right and a left hand inlet header kit.

Each inlet header is sold with all necessary components.

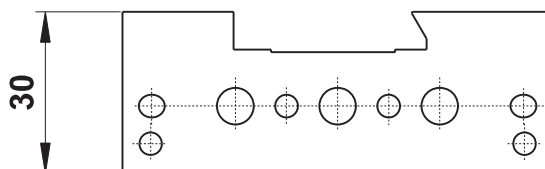
CODICE DI ORDINAZIONE

ORDER CODE

07.010.2 terminale sinistro per sottobasi 1/8"
left hand header for 1/8" manifolds



M6
foro per fissaggio
barra omega
mounting hole for
omega-profile



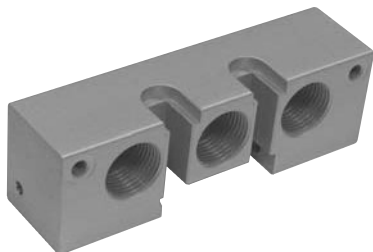
sottobasi modulari per valvole a spola

multiple sub-bases for spool valves



terminale destro G1/4"

G1/4" right inlet header



Per ogni batteria di valvole è necessario l'utilizzo di due terminali, uno destro e uno sinistro. Ogni terminale è venduto con i particolari necessari al suo assemblaggio.

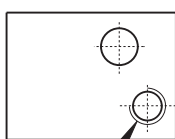
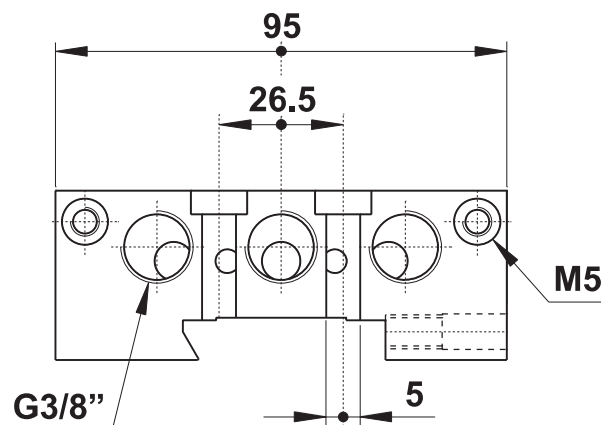
Each manifold assembly requires a right and a left hand inlet header kit.

Each inlet header is sold with all necessary components.

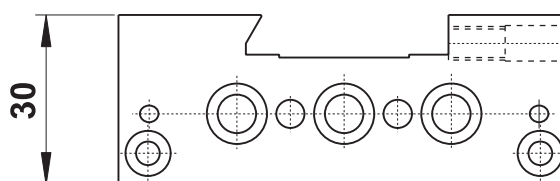
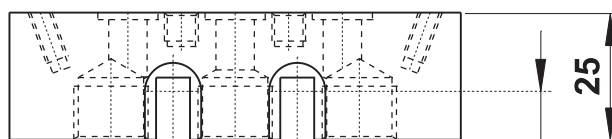
CODICE DI ORDINAZIONE

ORDER CODE

07.054.2 terminale destro per sottobasi 1/4"
right hand header for 1/4" manifolds

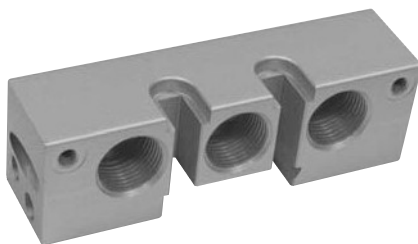


M6
foro per fissaggio
barra omega
mounting hole for
omega-profile



terminale sinistro G1/4"

G1/4" left inlet header



Per ogni batteria di valvole è necessario l'utilizzo di due terminali, uno destro e uno sinistro. Ogni terminale è venduto con i particolari necessari al suo assemblaggio.

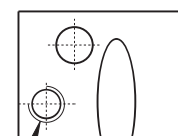
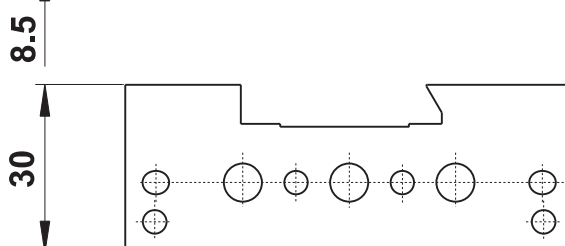
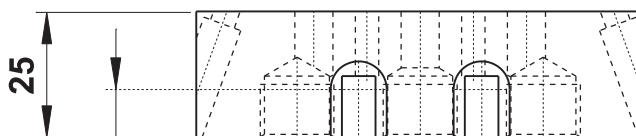
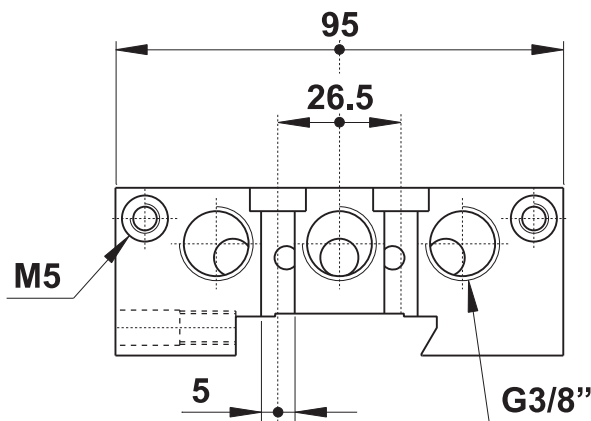
Each manifold assembly requires a right and a left hand inlet header kit.

Each inlet header is sold with all necessary components.

CODICE DI ORDINAZIONE

ORDER CODE

07.055.2 terminale sinistro per sottobasi 1/4"
left hand header for 1/4" manifolds



M6
foro per fissaggio
barra omega
mounting hole for
omega-profile

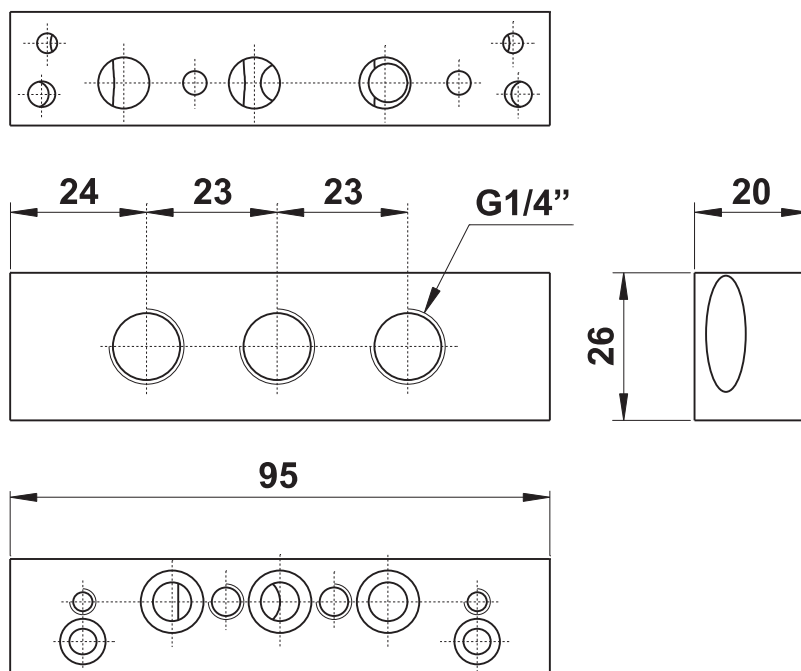
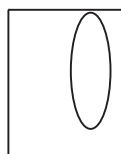
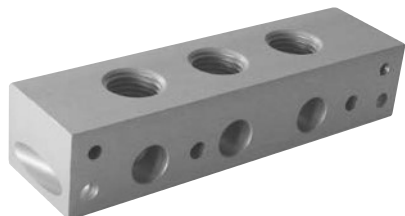
sottobasi modulari per valvole a spola

multiple sub-bases for spool valves



interfaccia G1/4"-G1/8"

G1/4"-G1/8" interface



Questa sottobase di riduzione è utilizzata per l'installazione di valvole da 1/8" in una batteria di valvole da 1/4", formando così una batteria ibrida. È dotata di connessioni supplementari G1/4", da tappare in caso di mancato utilizzo. È venduta con i particolari necessari per il montaggio.

This reduction sub-base is used to assemble 1/8" valves on a 1/4" manifold, creating a hybrid manifold. It provides extra G1/4"-connections (close them by a plug if they are not necessary). It is sold in kit with all necessary components.

CODICE DI ORDINAZIONE - ORDER CODE

07.081.2

Questa sottobase di riduzione deve essere combinata con un terminale destro G1/4" 07.054.2 e un terminale sinistro G1/8" 07.010.2.

This reduction sub-base must be combined with a G1/4" right inlet header 07.054.2 and a G1/8" left inlet header 07.010.2.

diaframma interno

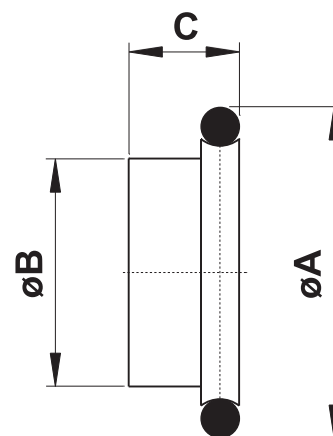
internal diaphragm

Questo diaframma deve essere collocato internamente tra un elemento e l'altro della batteria di valvole per interrompere il flusso dell'aria e dividere la batteria in due o più settori. Può essere utilizzato per interrompere solo l'alimentazione, solo gli scarichi o sia l'alimentazione sia gli scarichi.

This diaphragm must be inserted between two elements of the manifold to interrupt the air flow and divide the manifold into two or more parts. It can be used to interrupt only the supply air flow, only the exhausts or both air supply and exhausts.



| | 1/8" | 1/4" |
|----------|------|------|
| A | 10 | 12 |
| B | 6.6 | 8.8 |
| C | 3.2 | 3.2 |



CODICI DI ORDINAZIONE - ORDER CODES

07.011.2 per batterie di valvole 1/8" - for 1/8" manifolds

07.057.2 per batterie di valvole 1/4" - for 1/4" manifolds

sottobasi a posti fissi per valvole a spola

manifolds for spool valves



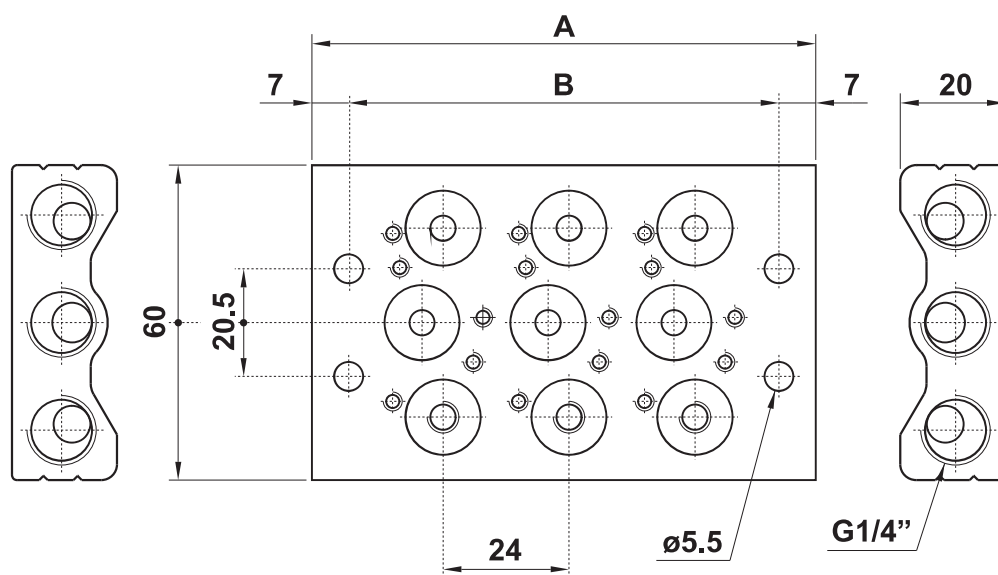
Le sottobasi a posti fissi possono essere utilizzate per il fissaggio di valvole a 3 vie e a 5 vie, da 1/8" o da 1/4". Ogni sottobase è venduta con i particolari necessari per il fissaggio e il montaggio delle valvole. Eventuali posizioni non utilizzate possono essere tappate con la piastrina di chiusura. Sono disponibili appositi accessori (vedi pagina seguente) per ottenere l'uscita o lo scarico indipendente di una o più valvole.

These manifolds can be used for the installation of three and five way valves, 1/8" or 1/4". Each manifold is sold with all necessary pieces for installation. Unused stations can be closed with a blanking plate. Accessories (see next page) are available to obtain a separate air inlet or exhaust for certain valves.



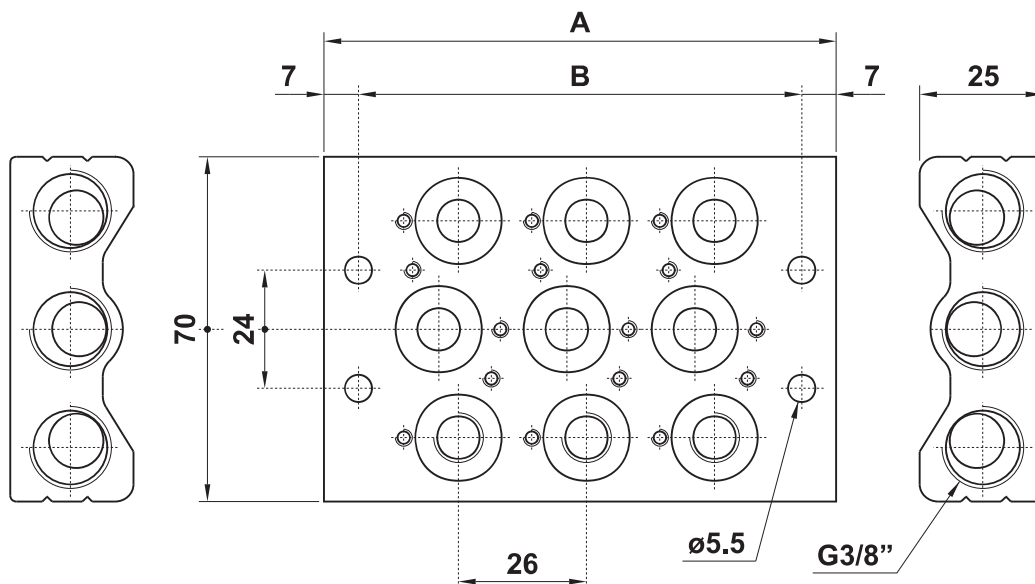
1/8"

| modello model | nr. posiz. no. stations | A | B |
|------------------|----------------------------|-----|-----|
| 00.052.2 | 2 | 72 | 58 |
| 00.053.2 | 3 | 96 | 82 |
| 00.054.2 | 4 | 120 | 106 |
| 00.055.2 | 5 | 144 | 130 |
| 00.056.2 | 6 | 168 | 154 |
| 00.057.2 | 7 | 192 | 178 |
| 00.058.2 | 8 | 216 | 202 |
| 00.059.2 | 9 | 240 | 226 |
| 00.060.2 | 10 | 264 | 250 |
| 00.081.2 | 11 | 288 | 274 |
| 00.097.2 | 12 | 312 | 298 |



1/4"

| modello model | nr. posiz. no. stations | A | B |
|------------------|----------------------------|-----|-----|
| 01.042.2 | 2 | 78 | 64 |
| 01.043.2 | 3 | 104 | 90 |
| 01.044.2 | 4 | 130 | 116 |
| 01.045.2 | 5 | 156 | 142 |
| 01.046.2 | 6 | 182 | 168 |
| 01.047.2 | 7 | 208 | 194 |
| 01.048.2 | 8 | 234 | 220 |
| 01.051.2 | 9 | 260 | 246 |
| 01.052.2 | 10 | 286 | 272 |



accessori per basi a posti fissi

accessories for manifolds



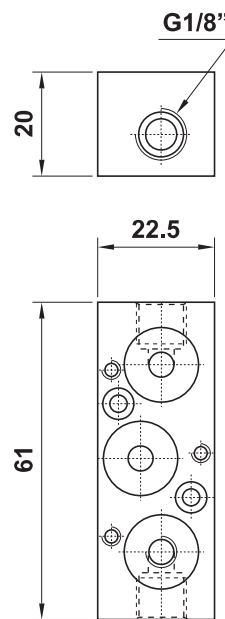
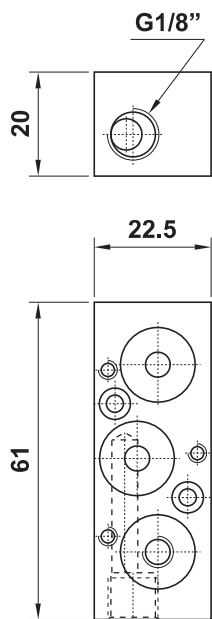
adattatore per entrata separata
adapting plate for separate air inlet

adattatore per scarichi separati
adapting plate for separate air exhaust

G1/8"

00.064.2

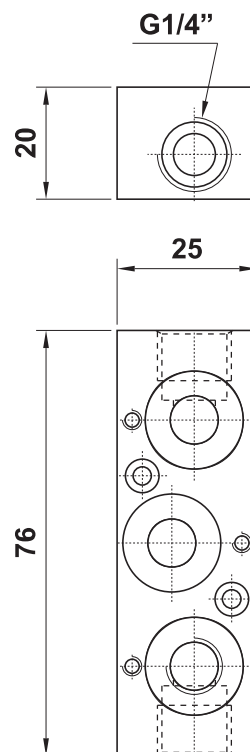
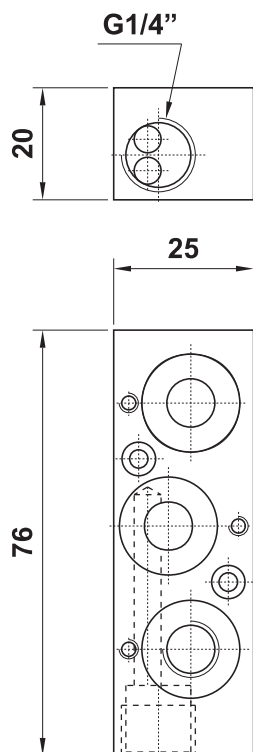
00.080.2



G1/4"

01.049.2

01.050.2

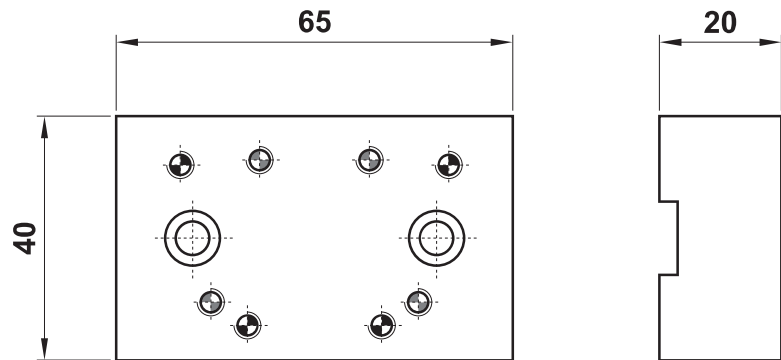


Ogni pezzo è venduto in kit con i particolari necessari al suo assemblaggio.
Each element is sold in kit with all necessary pieces for installation.


adattatore per cilindro ISO 15552 interface for cylinder ISO 15552

CODICE DI ORDINAZIONE
ORDER CODE

00.095.2



 Fori per il fissaggio di valvole 521
Mounting holes for valves 521

 Fori per il fissaggio di valvole 522
Mounting holes for valves 522

È utilizzabile per l'installazione di una valvola della serie 521 o 522 su un cilindro ISO 15552 dall'alesaggio 32 all'alesaggio 100 (serie N).
Ogni pezzo è venduto con tutti i particolari necessari al suo assemblaggio.

*It can be used to install a valve 521 or 522 on a cylinder ISO 15552 from bore 32 to bore 100 (series N).
It is sold with all necessary pieces for installation.*

Per l'installazione sul cilindro è necessario innanzi tutto smontare una delle due testate.
For the installation on the cylinder it is necessary to remove one end cap.

accessori per valvole a spola

accessories for spool valves



adattatore per cilindro ISO 15552

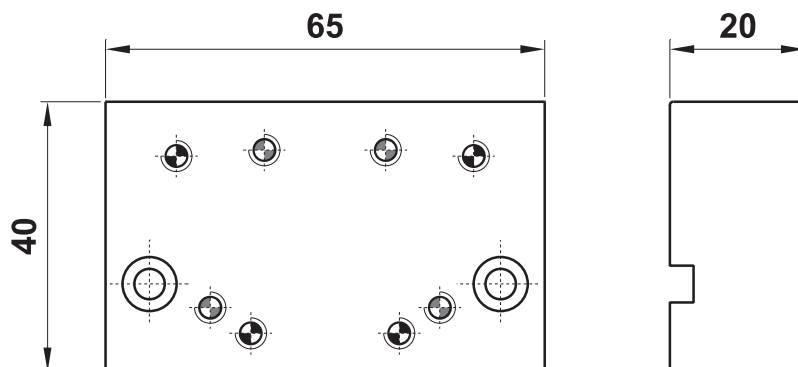
profilo EASY

interface for cylinder ISO 15552


profile EASY

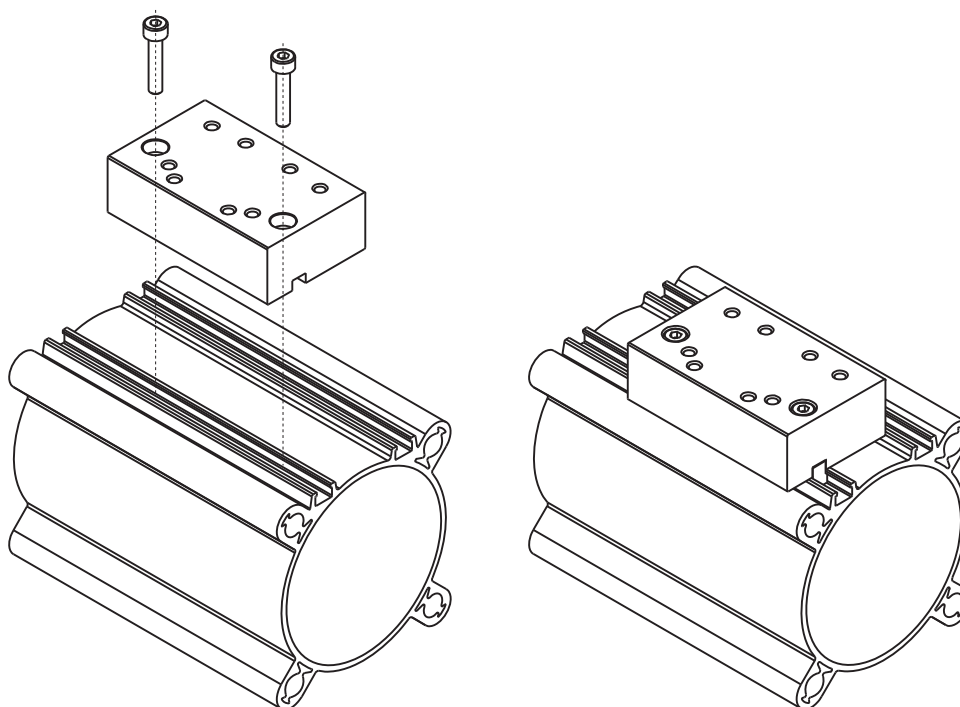
CODICE DI ORDINAZIONE
ORDER CODE

00.131.2



 Fori per il fissaggio di valvole 521
Mounting holes for valves 521

 Fori per il fissaggio di valvole 522
Mounting holes for valves 522



È utilizzabile per l'installazione di una valvola della serie 521 o 522 su un cilindro ISO 15552 dall'alesaggio 32 all'alesaggio 125, PROFILO EASY (serie E).
Ogni pezzo è venduto con tutti i particolari necessari al suo assemblaggio.

*It can be used to install a valve 521 or 522 on a cylinder ISO 15552 from bore 32 to bore 125, PROFILE EASY (series E).
It is sold with all necessary pieces for installation.*

Per l'installazione sul cilindro è necessario innanzi tutto smontare una delle due testate.

For the installation on the cylinder it is necessary to remove one end cap.

adattatore per profilo omega

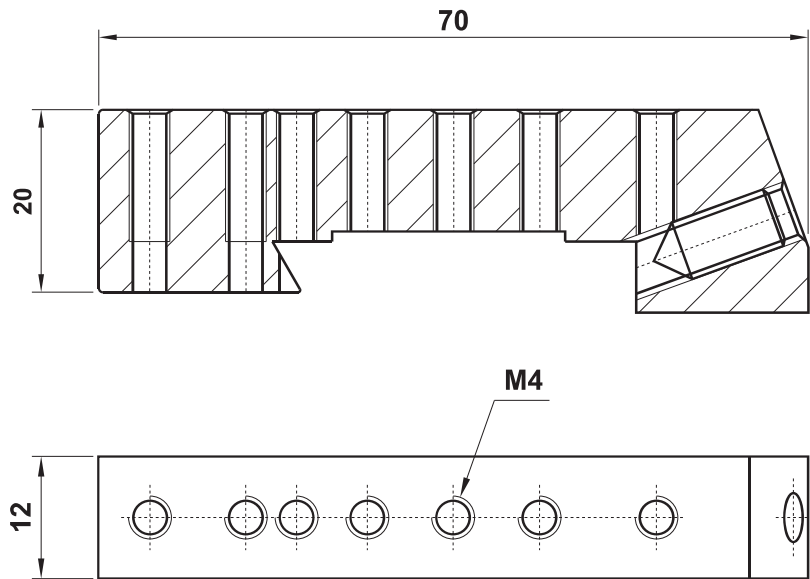
interface for omega-profile



adattatore per profilo omega interface for omega-profile

CODICE DI ORDINAZIONE
ORDER CODE

00.109.2



È utilizzabile per l'installazione di una sottobase a posti fissi per valvole della serie 751, 731, 521, 522, 851 su una barra a profilo Ω (omega).

Per il fissaggio è necessario utilizzare le viti (non incluse nel kit) qui indicate:

- sottobasi posti fissi e modulari per valvole 851: n. 2 viti a brugola zincate bianche M4x40
- sottobasi posti fissi e modulari per valvole 751 e 731: n. 2 viti a brugola zincate bianche M4x20
- sottobasi posti fissi per valvole 521: n. 2 viti a brugola zincate bianche M4x25
- sottobasi posti fissi per valvole 522: n. 2 viti a brugola zincate bianche M4x30

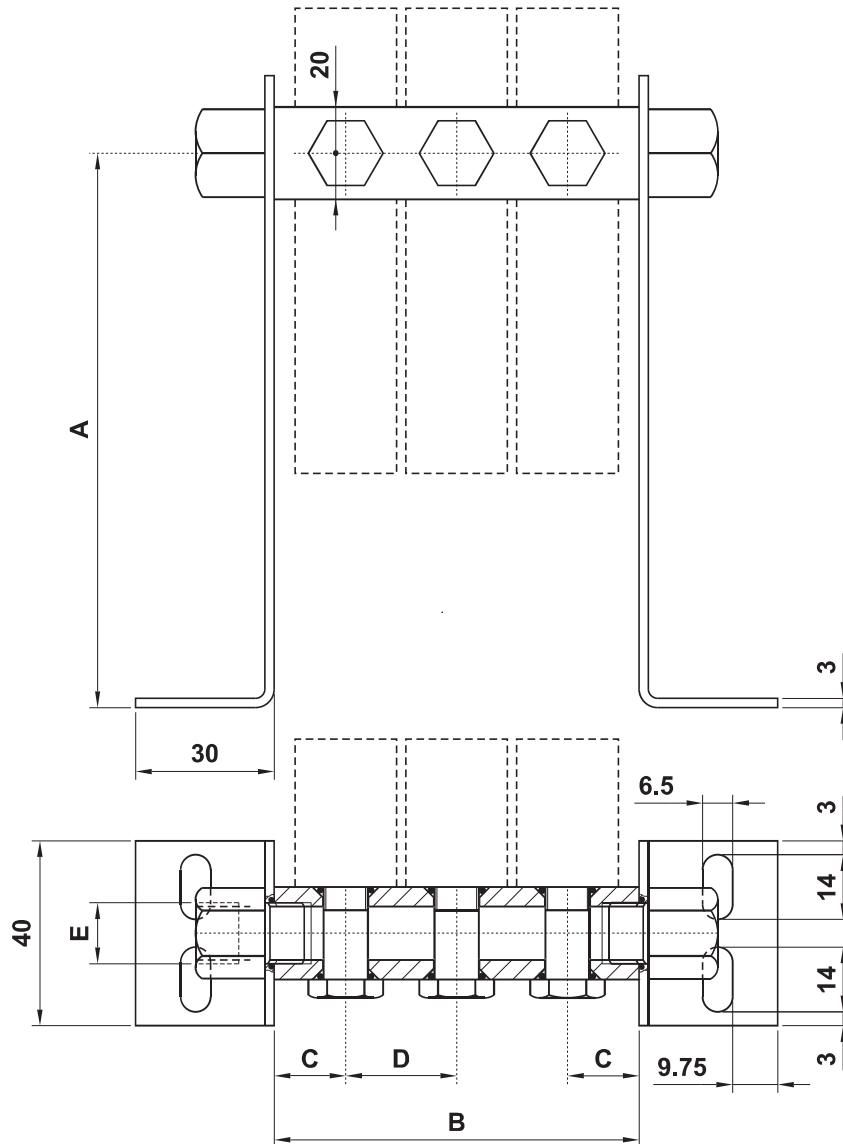
It can be used to install a manifold for valves 751, 731, 521, 522, 851 on a profile Ω (omega).

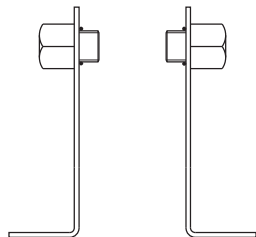
For installation use the following screws (screws are not supplied with the kit):

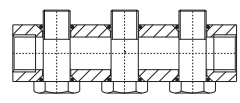
- manifolds and multiple sub-bases for valves 851: n. 2 screws M4x40
- manifolds and multiple sub-bases for valves 751 and 731: n. 2 screws M4x20
- manifolds for valves 521: n. 2 screws M4x25
- manifolds for valves 522: n. 2 screws M4x30

collettori per valvole a spola

gang manifolds for spool valves



| | | 1/8" | | 1/4" | |
|---|--|------------------|-----|------------------|-----|
| | | modello model | A | modello model | A |
|  | | 00.029.2 | 120 | 01.029.2 | 120 |
| | | 00.067.2 | 60 | 01.038.2 | 60 |

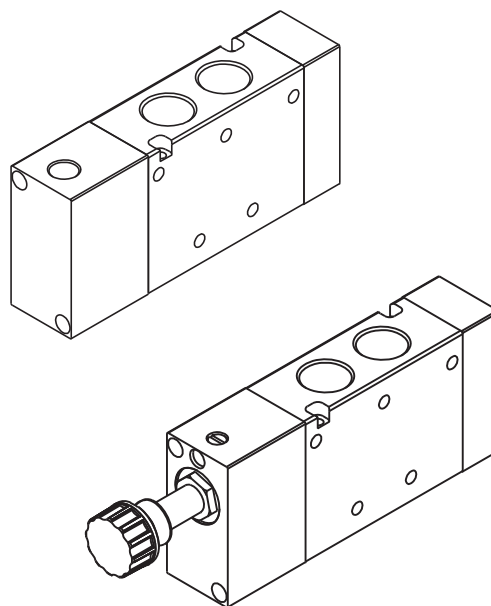
| | | modello model | nr. posizioni no. stations | B | C | D | E |
|------|---|------------------|-------------------------------|-----|------|----|-------|
| 1/8" |  | 00.042.3 | 2 | 55 | 15.5 | 24 | G1/4" |
| | | 00.043.3 | 3 | 79 | 15.5 | 24 | G1/4" |
| | | 00.044.3 | 4 | 103 | 15.5 | 24 | G1/4" |
| | | 00.045.3 | 5 | 127 | 15.5 | 24 | G1/4" |
| | | 00.046.3 | 6 | 151 | 15.5 | 24 | G1/4" |
| 1/4" | | 01.032.3 | 2 | 62 | 17.5 | 27 | G3/8" |
| | | 01.033.3 | 3 | 89 | 17.5 | 27 | G3/8" |
| | | 01.034.3 | 4 | 116 | 17.5 | 27 | G3/8" |
| | | 01.035.3 | 5 | 143 | 17.5 | 27 | G3/8" |
| | | 01.036.3 | 6 | 170 | 17.5 | 27 | G3/8" |

valvole a spola G3/8"

spool valves G3/8"



- Valvole a spola 5/2 con attacchi filettati G3/8"
5/2 spool valves with G3/8" threaded ports
- Azionamento pneumatico e elettropneumatico
Pneumatically piloted and solenoid actuated valves
- Montaggio in linea
Installation in-line
- Comandi elettrici con azionamento manuale bistabile
Solenoid pilots with detented manual override



I prodotti di seguito indicati sono venduti senza bobine, da acquistarsi separatamente (vedi pag. 244).

The following listed products are sold without coils, which are bought separately (refer to page 244).

Tempi di risposta - response times

| | |
|-----------------------------------|------------------------------------|
| monostabile <i>mono-stable</i> | TRA (14): 19 ms TRR (12): 45 ms |
| bistabile <i>bi-stable</i> | TRA (14): 50 ms TRR (12): 50 ms |

Materiali

Corpo: alluminio 11S

Molle: INOX

Guarnizioni: NBR

Spola: INOX

Parti interne: ottone OT58

Materials

Body: aluminium 11S

Springs: stainless steel

Seals: NBR

Spool: stainless steel

Internal parts: brass OT58

| | | |
|--|---|--|
| Diametro nominale <i>Nominal orifice</i> | 9 mm | |
| Portata nominale a 6 bar, Δp 1 bar <i>Nominal flow rate at 6 bar, Δp 1 bar</i> | 1500 NI/min | |
| Temperatura di esercizio <i>Temperature range</i> | max +60°C | |
| Pressione di esercizio <i>Working pressure</i> | al. interna monost. [<i>monost. internal air supply</i>] | al. interna bist. [<i>bi-stable internal air supply</i>] |
| | 2.5 ... 10 bar 0.25 ... 1 MPa | 1.5 ... 10 bar 0.15 ... 1 MPa |
| Fluido <i>Fluid</i> | Aria filtrata 50 μ con o senza lubrificazione <i>50μ filtered, lubricated or non lubricated air</i> | |

valvole a spola G3/8"

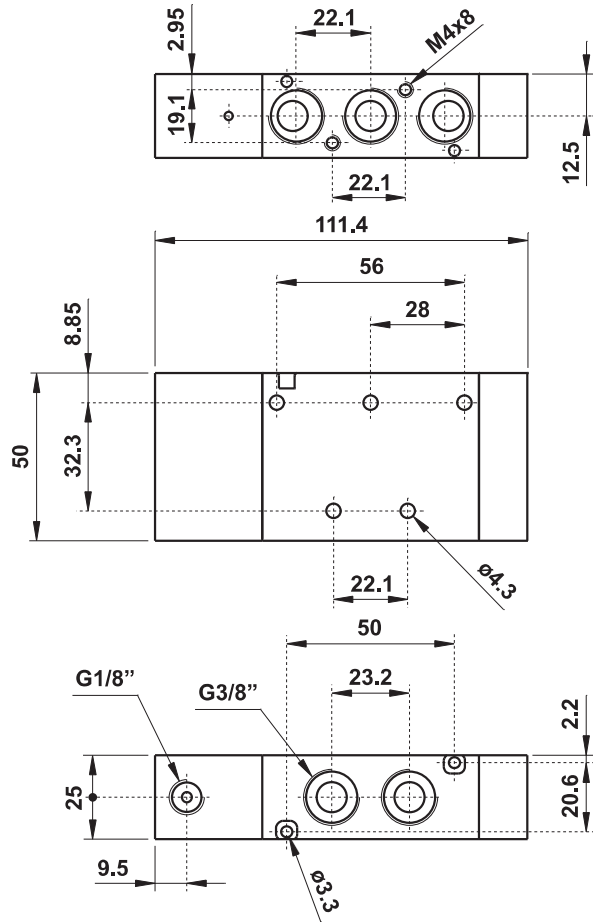
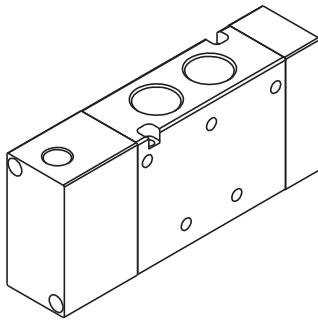
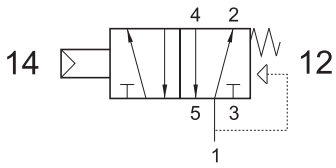
spool valves G3/8"



523 MC

5/2 3/8" comando pneumatico - ritorno a molla

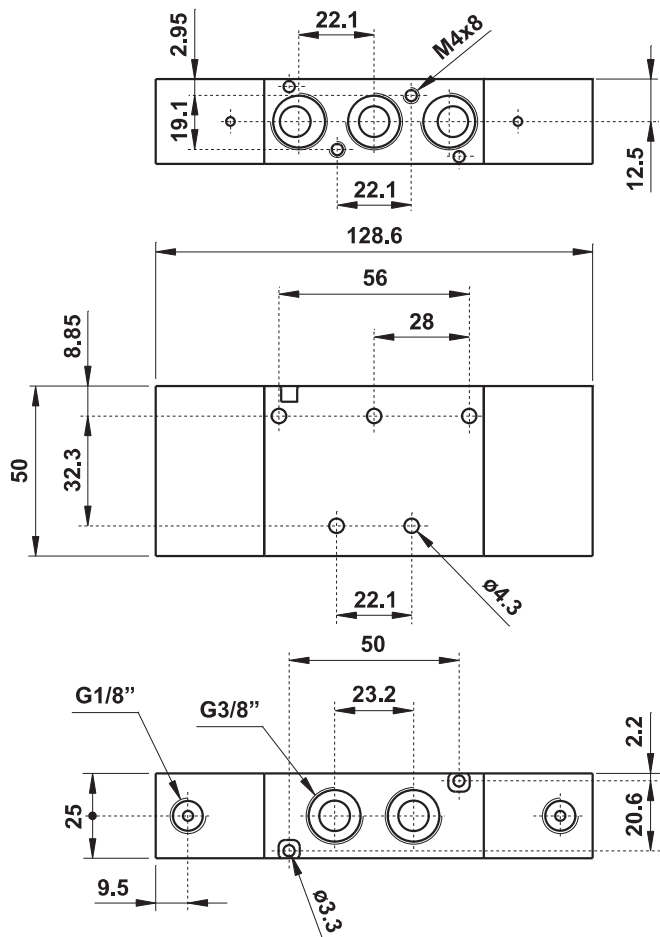
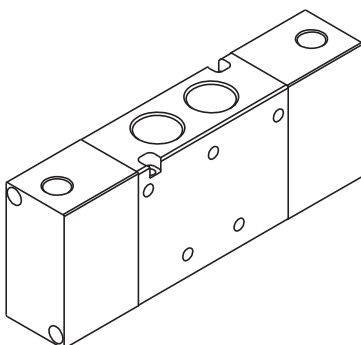
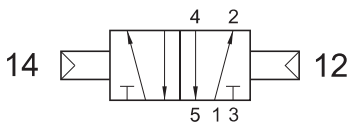
5/2 3/8" pneumatic pilot - spring return



523 CC

5/2 3/8" doppio comando pneumatico

5/2 3/8" double pneumatic pilot



valvole a spola G3/8"

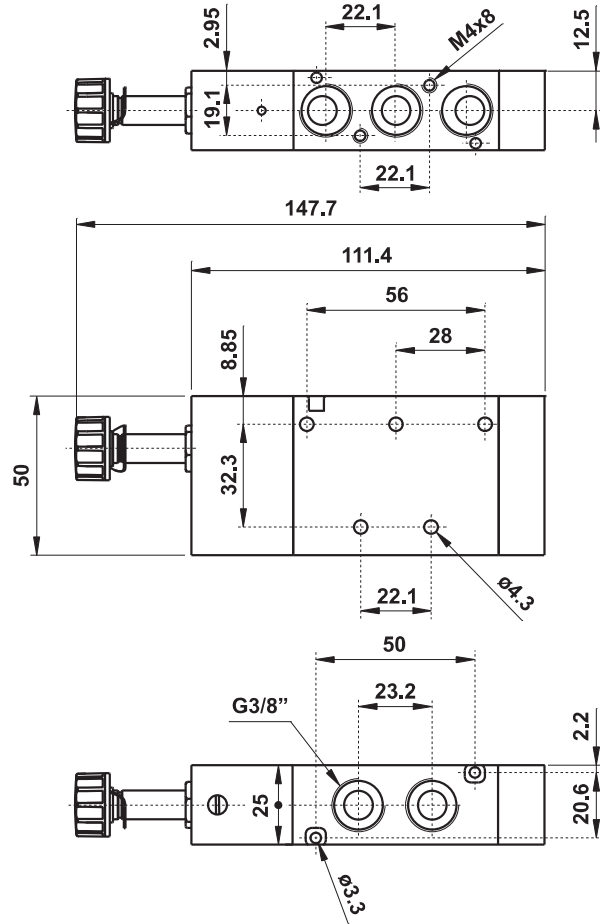
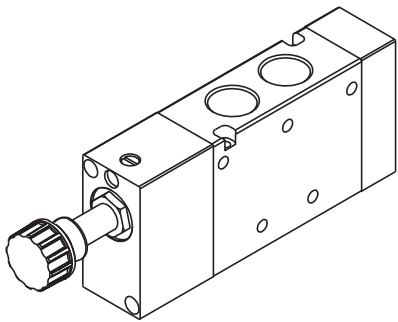
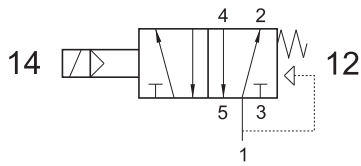
spool valves G3/8"



523 ME

5/2 3/8" comando elettrico - ritorno a molla

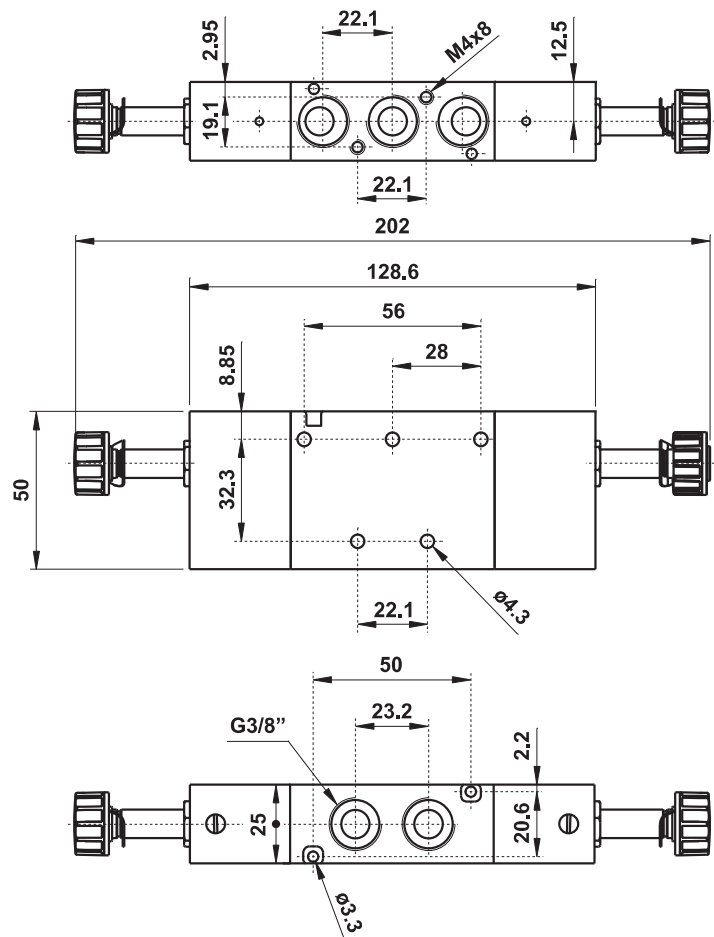
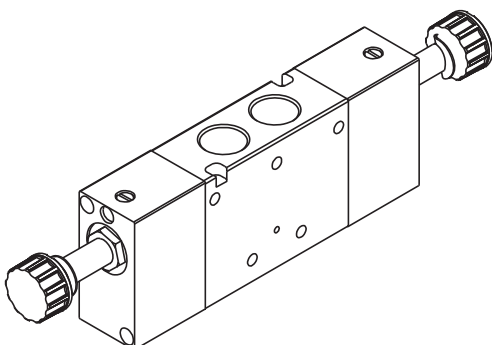
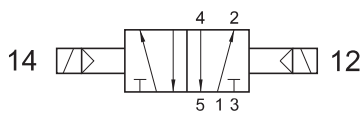
5/2 3/8" solenoid pilot - spring return



523 EE

5/2 3/8" doppio comando elettrico

5/2 3/8" double solenoid pilot

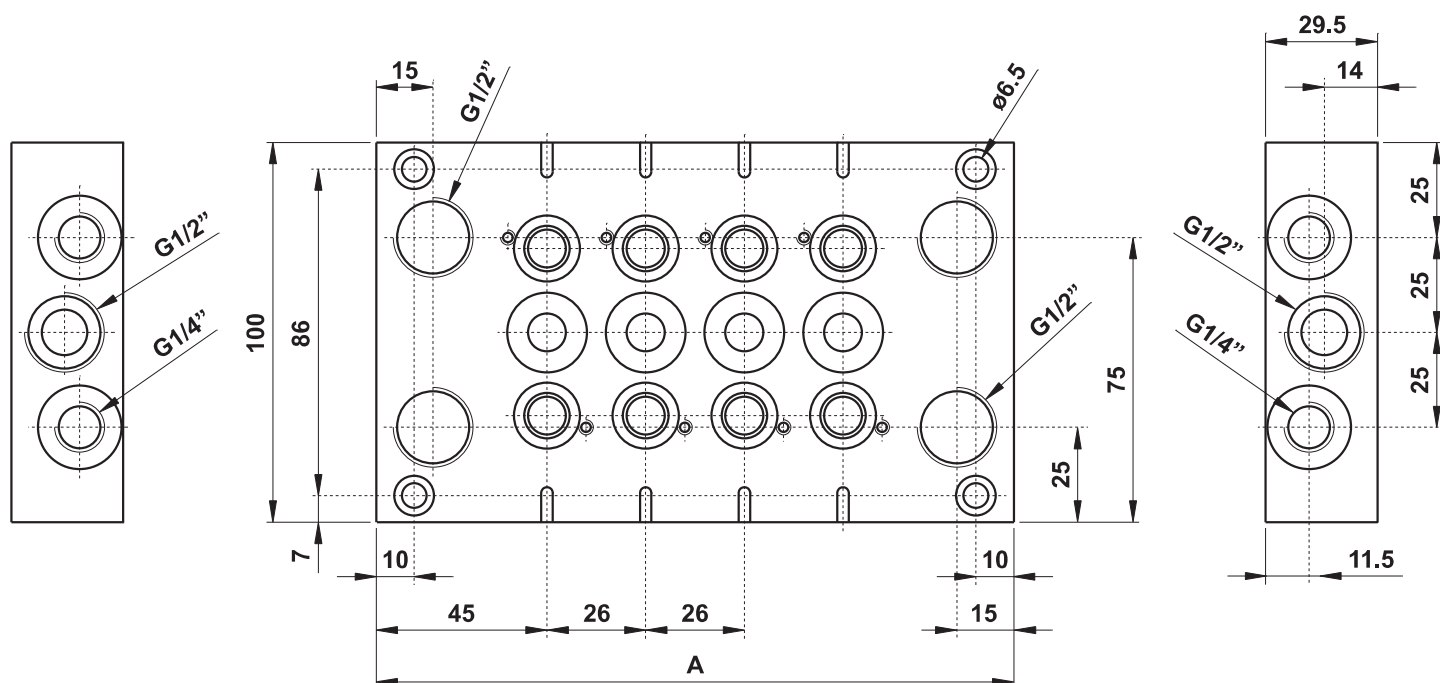


sottobasi per valvole a spola G3/8"

manifolds for spool valves G3/8"



- Scarichi convogliati superiori (G1/2") o laterali (G1/4")
Common exhaust on the top (G1/2") or on the side (G1/4")
- Se non utilizzati, gli scarichi G1/4" possono essere chiusi con i tappi forniti in kit
If not used, the G1/4" exhaust ports can be closed by the plugs supplied in kit
- Le basi sono fornite complete di viti per il montaggio delle valvole
The manifolds are supplied with screws for valves assembling
- Materiale: alluminio anodizzato
Material: aluminium (anodize treatment)



| modello model | nr. posiz. no. stations | A |
|------------------|----------------------------|-----|
| 09.002.2 | 2 | 116 |
| 09.003.2 | 3 | 142 |
| 09.004.2 | 4 | 168 |
| 09.005.2 | 5 | 194 |
| 09.006.2 | 6 | 220 |
| 09.007.2 | 7 | 246 |
| 09.008.2 | 8 | 272 |
| 09.009.2 | 9 | 298 |
| 09.010.2 | 10 | 324 |

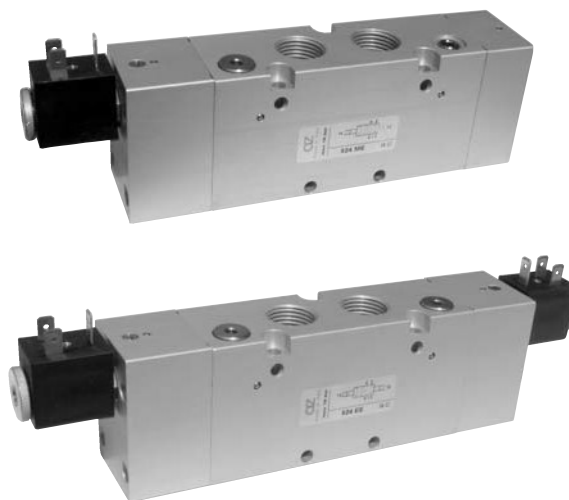


valvole G1/2" azionamento elettropneumatico

solenoid actuated valves - G1/2"



- Valvole a spola 3/2-5/2-5/3 con attacchi filettati G1/2"
3/2-5/2-5/3 spool valves with G1/2" threaded ports
- Elevatissima portata
Very high flow rate
- Montaggio in linea
Installation in-line
- Comandi elettrici con azionamento manuale bistabile
Solenoid pilots with detented manual override as standard
- Multifunzionalità e adattabilità
Multifunction feature



I prodotti di seguito indicati sono venduti senza bobine, da acquistarsi separatamente (vedi pag. 244).

The following listed products are sold without coils, which are bought separately (refer to page 244).

Kit ricambi - spare parts

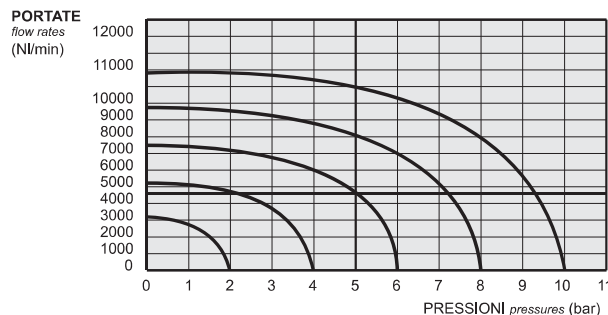
02.030.2 : per valvole a 3/2 vie [for 3/2 way valves] ME - ME AS - MC

02.031.2 : per valvole a 5/2 vie [for 5/2 way valves] ME - ME AS - MC

02.032.2 : per valvole a 3/2 vie [for 3/2 way valves] EE - EE AS - CC

02.033.2 : per valvole a 5/2 vie [for 5/2 way valves] EE - EE AS - CC

02.034.2 : per valvole a 5/3 vie [for 5/3 way valves] EE - EE AS - CC



Tempi di risposta - response times

| | |
|-----------------------------------|------------------------------------|
| monostabile <i>mono-stable</i> | TRA (14): 39 ms TRR (12): 60 ms |
| bistabile <i>bi-stable</i> | TRA (14): 90 ms TRR (12): 90 ms |

Materiali

Corpo: alluminio 11S

Molle: INOX

Guarnizioni: NBR

Spola: INOX

Parti interne: ottone OT58

Materials

Body: aluminium 11S

Springs: stainless steel

Seals: NBR

Spool: stainless steel

Internal parts: brass OT58

| | | | |
|--|---|---|--------------------------------------|
| Diametro nominale <i>Nominal orifice</i> | | 13 mm | |
| Portata nominale a 6 bar, Δp 1 bar <i>Nominal flow rate at 6 bar, Δp 1 bar</i> | | 4600 NI/min | |
| Temperatura di esercizio <i>Temperature range</i> | | max +60°C | |
| Pressione di esercizio <i>Working pressure</i> | al. interna monost. [monost. internal air supply] | al. interna bist. [bi-stable internal air supply] | alim. separata [separate air supply] |
| | 2.5 ... 10 bar 0.25 ... 1 MPa | 1 ... 10 bar 0.1 ... 1 MPa | -0.9 ... 10 bar -0.09 ... 1 MPa |
| Pressione di azionamento (per alimentazione separata) <i>Actuating pressure (for separate air supply)</i> | monostabile [mono-stable] | | bistabile [bi-stable] |
| | 2.5 ... 10 bar 0.25 ... 1 MPa | | 1 ... 10 bar 0.1 ... 1 MPa |
| Fluido <i>Fluid</i> | Aria filtrata 50μ con o senza lubrificazione <i>50μ filtered, lubricated or non lubricated air</i> | | |

valvole G1/2" azionamento elettropneumatico

solenoid actuated valves - G1/2"



Multifunzionalità e adattabilità della valvola

La funzione della valvola può essere variata in ogni momento secondo necessità cambiando la posizione dei tappi da M5 e G1/8" collocati nel corpo secondo gli schemi sottoriportati.

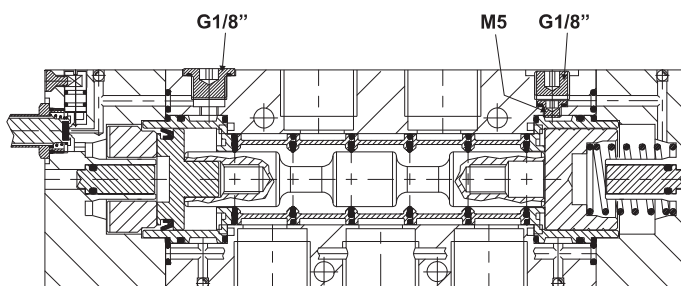
La valvola è fornita nella configurazione richiesta al momento dell'ordine. Eventuali tappi aggiuntivi possono essere ordinati separatamente.

Multifunction feature of the valve

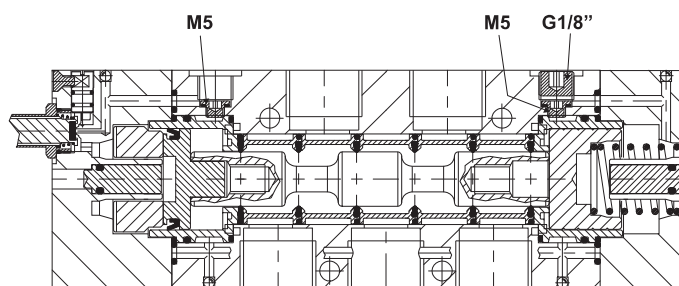
The function of the valve can be changed in any moment. To do this it is enough to change the position of the plugs M5 and G1/8", which are inserted into the body according to the scheme.

The valve is supplied in the configuration specified on the order. More plugs can be ordered separately.

324 ME
524 ME

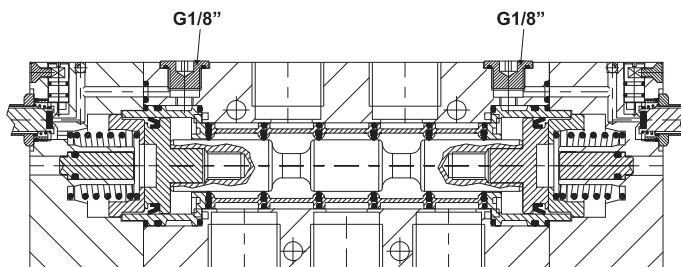


324 ME AS
524 ME AS



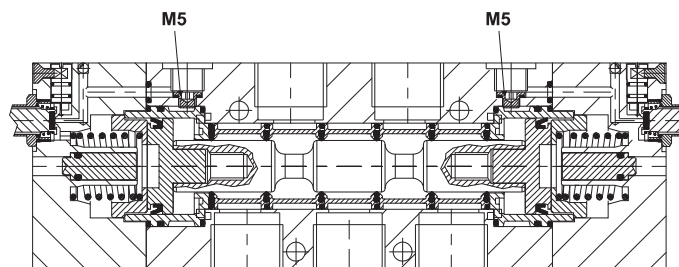
324 EE
524 EE

5243C EE
5243A EE
5243P EE



324 EE AS
524 EE AS

5243C EE AS
5243A EE AS
5243P EE AS



valvole G1/2" azionamento elettropneumatico

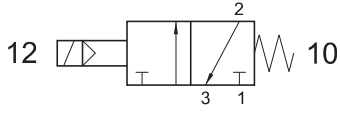
solenoid actuated valves - G1/2"



324 ME

3/2 1/2" NC comando elettrico - ritorno a molla

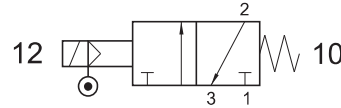
3/2 1/2" NC solenoid pilot - spring return



324 ME AS

3/2 1/2" comando elettrico alimentazione separata - ritorno a molla

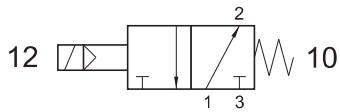
3/2 1/2" solenoid pilot with separate air supply - spring return



324 MEA

3/2 1/2" NA comando elettrico - ritorno a molla

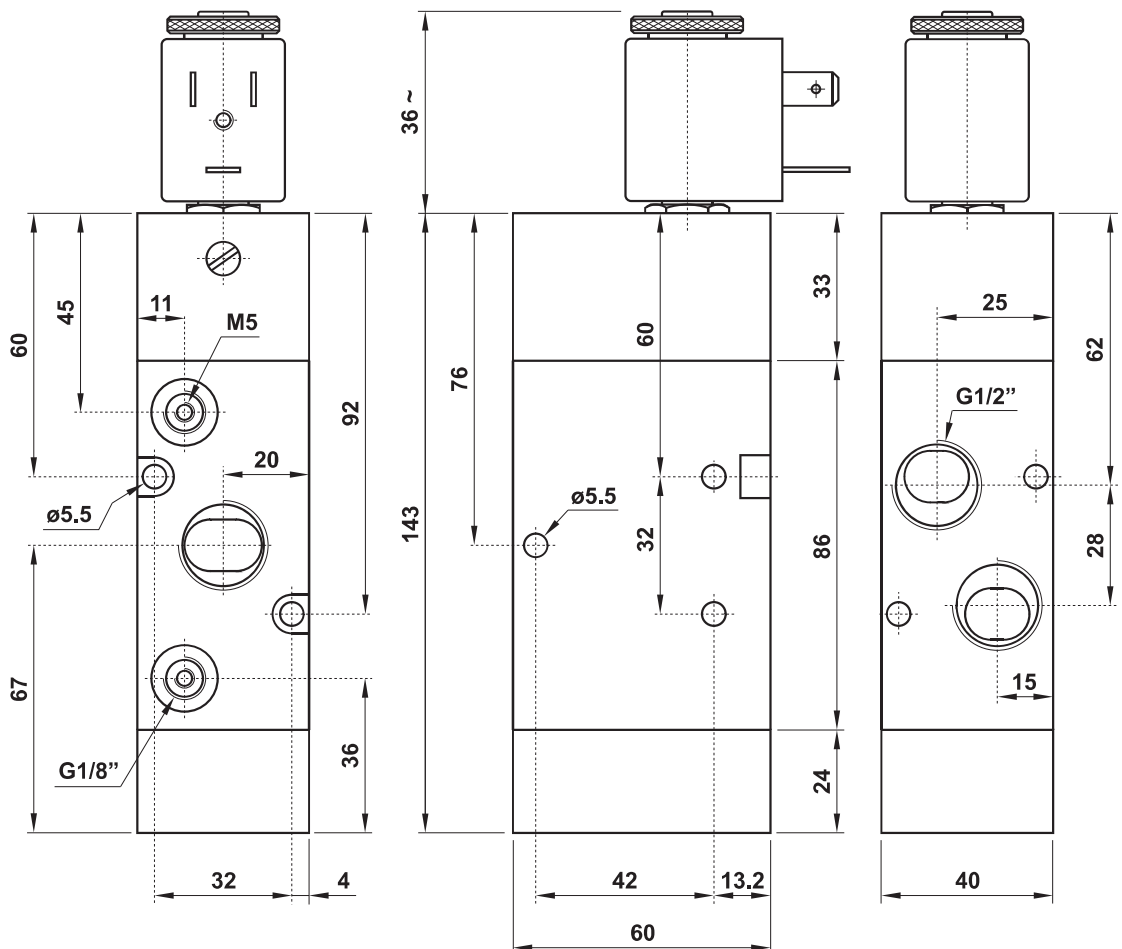
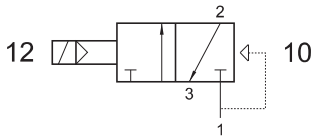
3/2 1/2" NO solenoid pilot - spring return



324 EFP

3/2 1/2" NC comando elettrico - ritorno a molla pneumatica

3/2 1/2" NC solenoid pilot - pneumatic spring return



valvole G1/2" azionamento elettropneumatico

solenoid actuated valves - G1/2"



324 EE

3/2 1/2" doppio comando elettrico

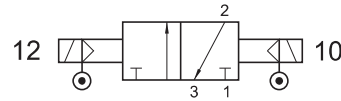
3/2 1/2" double solenoid pilot



324 EE AS

3/2 1/2" doppio comando elettrico alimentazione separata

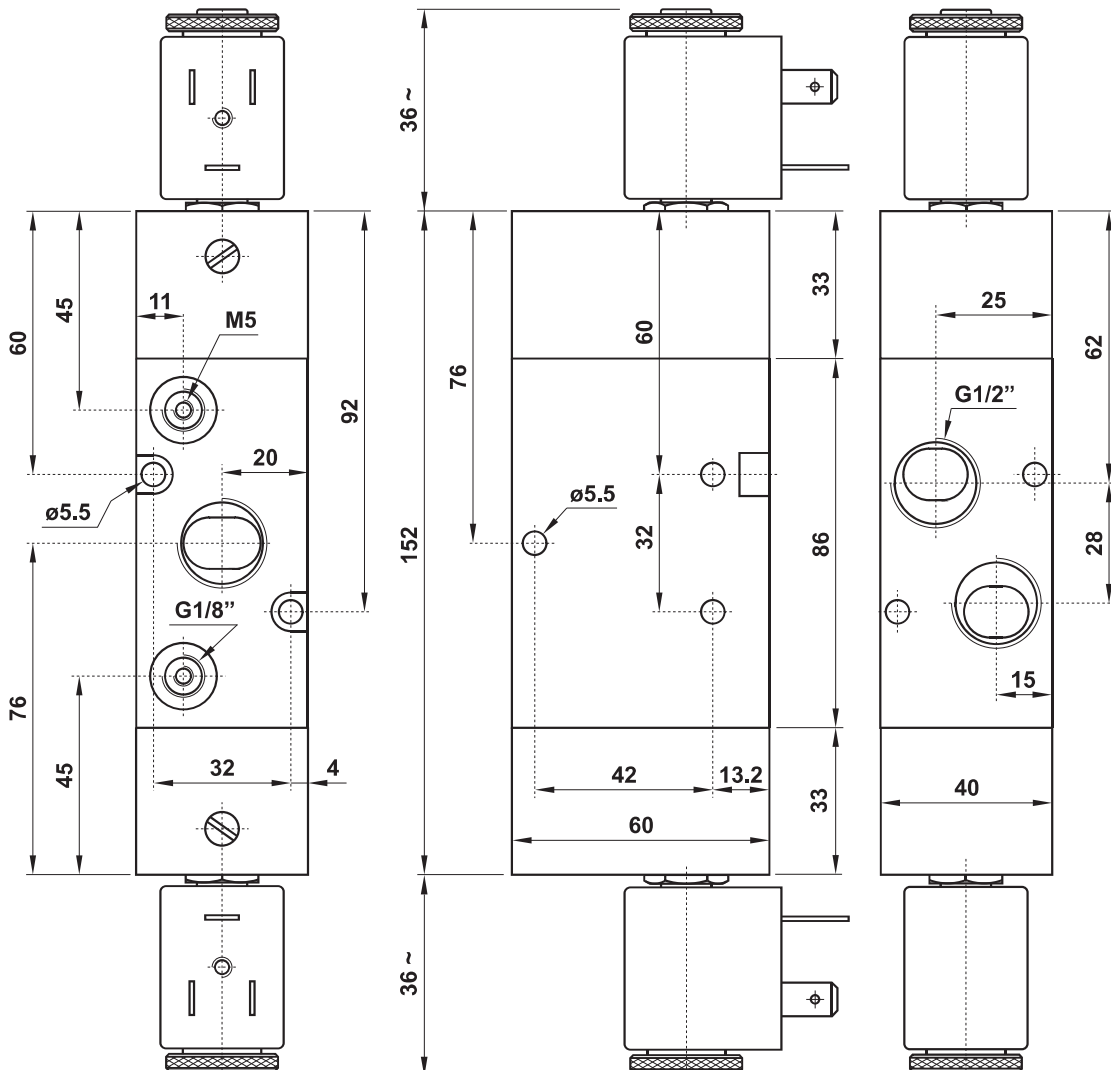
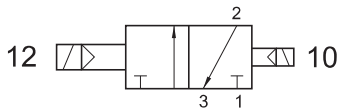
3/2 1/2" double solenoid pilot with separate air supply



324 EED

3/2 1/2" doppio comando elettrico - con differenziale

3/2 1/2" double solenoid pilot - with differential



valvole G1/2" azionamento elettropneumatico

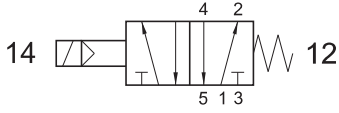
solenoid actuated valves - G1/2"



524 ME

5/2 1/2" comando elettrico - ritorno a molla

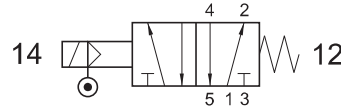
5/2 1/2" solenoid pilot - spring return



524 ME AS

5/2 1/2" comando elettrico alimentazione separata - ritorno a molla

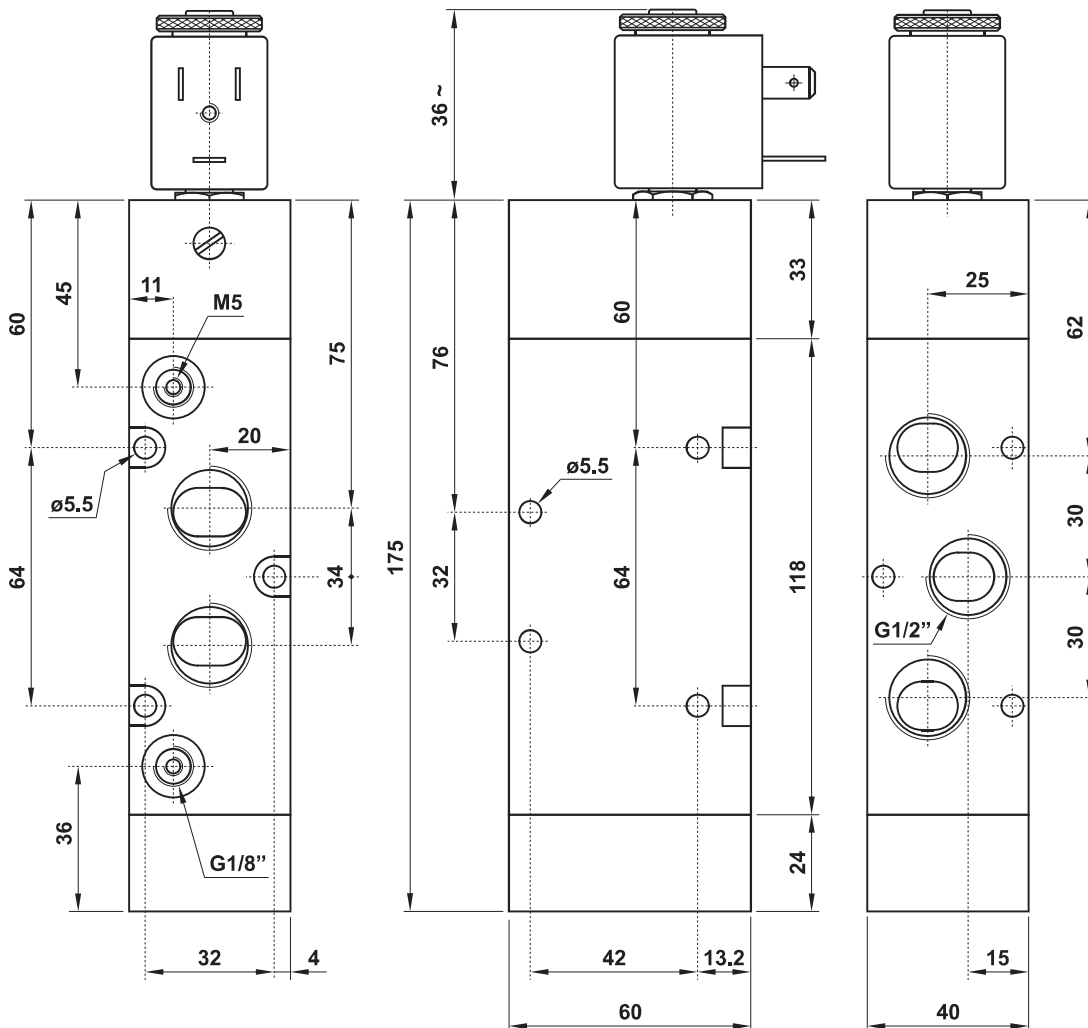
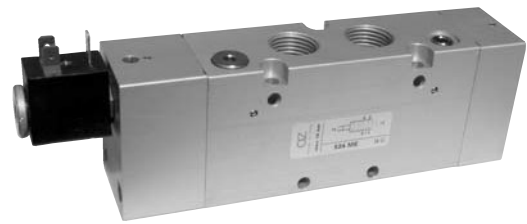
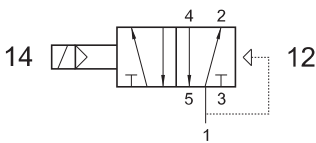
5/2 1/2" solenoid pilot with separate air supply - spring return



524 EFP

5/2 1/2" comando elettrico - ritorno a molla pneumatica

5/2 1/2" solenoid pilot - pneumatic spring return



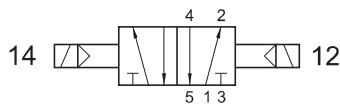
valvole G1/2" azionamento elettropneumatico

solenoid actuated valves - G1/2"



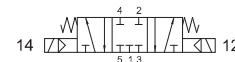
524 EE

5/2 1/2" doppio comando elettrico
5/2 1/2" double solenoid pilot



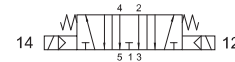
5243C EE

centri chiusi
closed centres



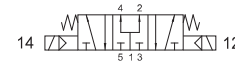
5243A EE

centri aperti
open centres



5243P EE

centri in pressione
pressurized centres

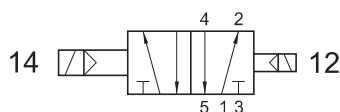


5/3 1/2" doppio comando elettrico

5/3 1/2" double solenoid pilot

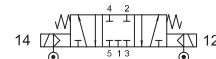
524 EED

5/2 1/2" doppio comando elettrico - con differenziale
5/2 1/2" double solenoid pilot - with differential



5243C EE AS

centri chiusi
closed centres



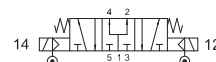
5243A EE AS

centri aperti
open centres



5243P EE AS

centri in pressione
pressurized centres

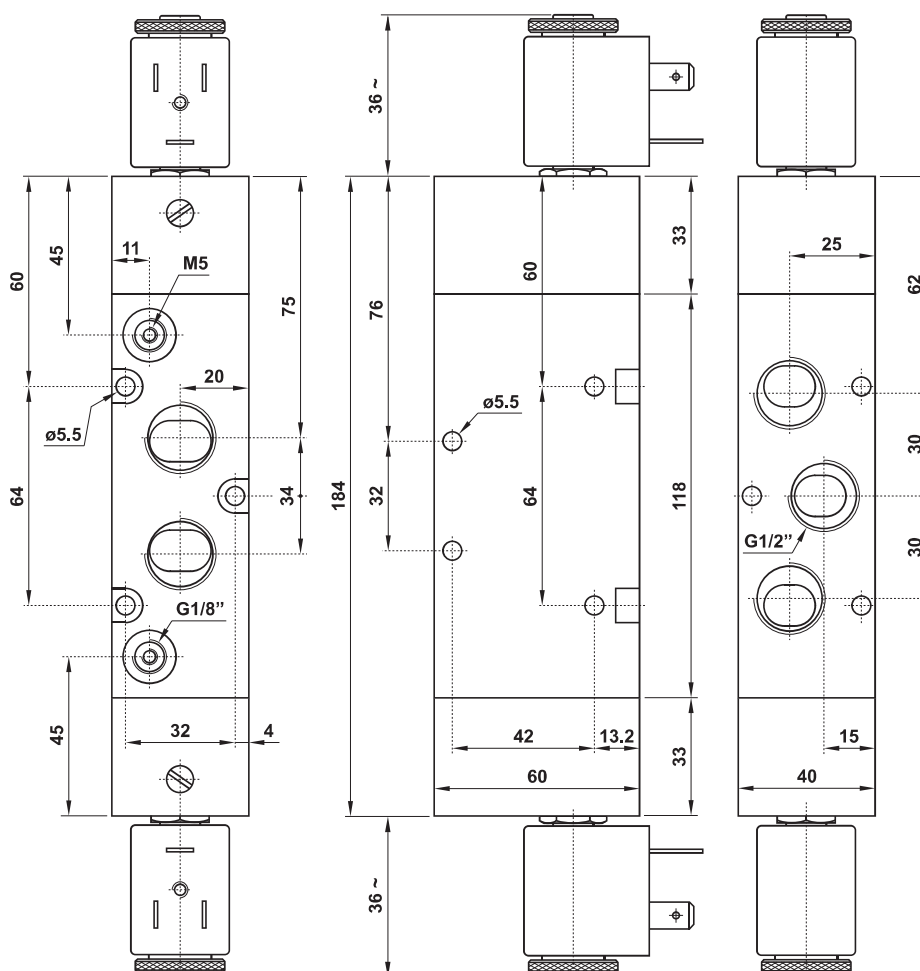
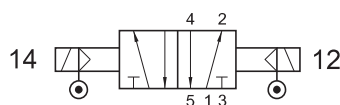


5/3 1/2" doppio comando elettrico alimentazione separata

5/3 1/2" double solenoid pilot with separate air supply

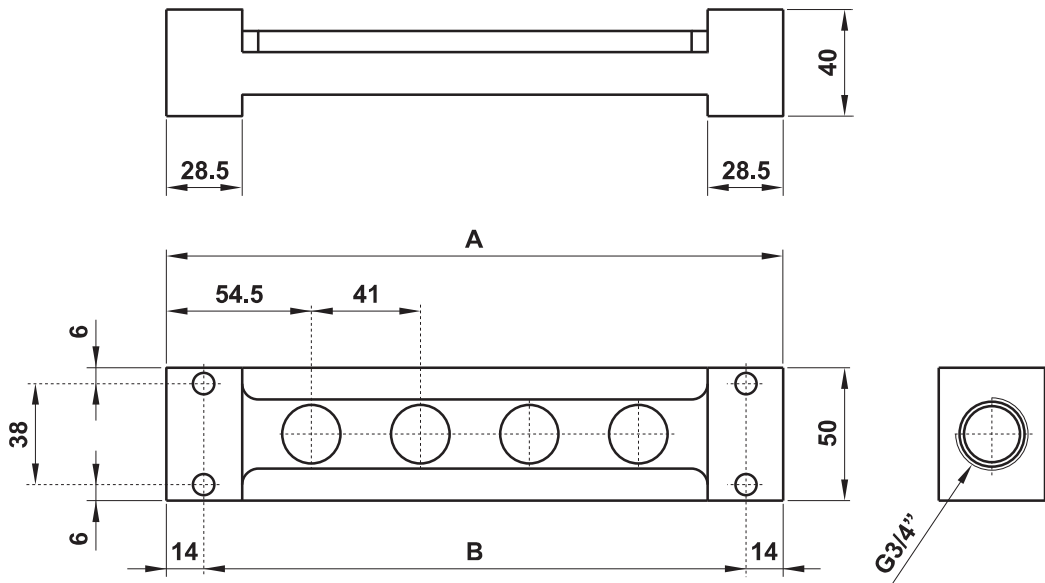
524 EE AS

5/2 1/2" doppio comando elettrico alimentazione separata
5/2 1/2" double solenoid pilot with separate air supply

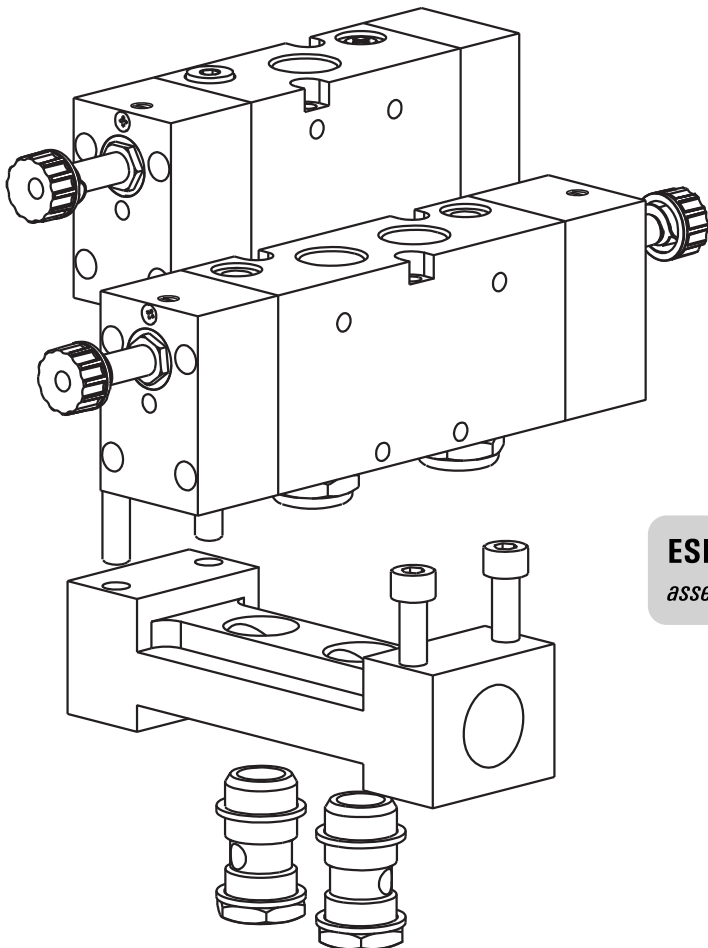
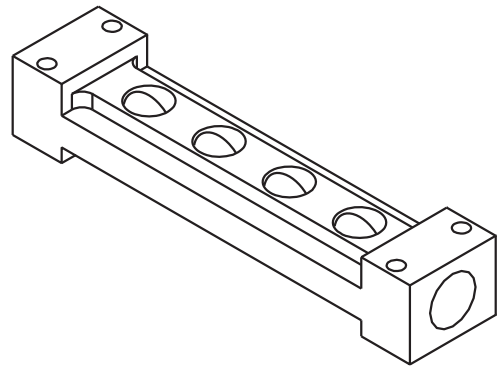


collettori per valvole a spola G1/2"

gang manifolds for spool valves G1/2"



| modello model | nr. posiz. no. stations | A | B |
|------------------|----------------------------|-----|-----|
| 02.042.2 | 2 | 150 | 122 |
| 02.043.2 | 3 | 191 | 163 |
| 02.044.2 | 4 | 232 | 204 |



ESEMPIO DI MONTAGGIO

assembly example

Questi collettori in alluminio possono essere utilizzati per formare una batteria di valvole a spola G1/2". Sono venduti con tutti i particolari necessari all'assemblaggio.

These gang manifolds in aluminium can be used to assemble more G1/2" spool valves together. Each component is sold with all necessary pieces for installation.

bobine e connettori 22 mm

22 mm coils and connectors



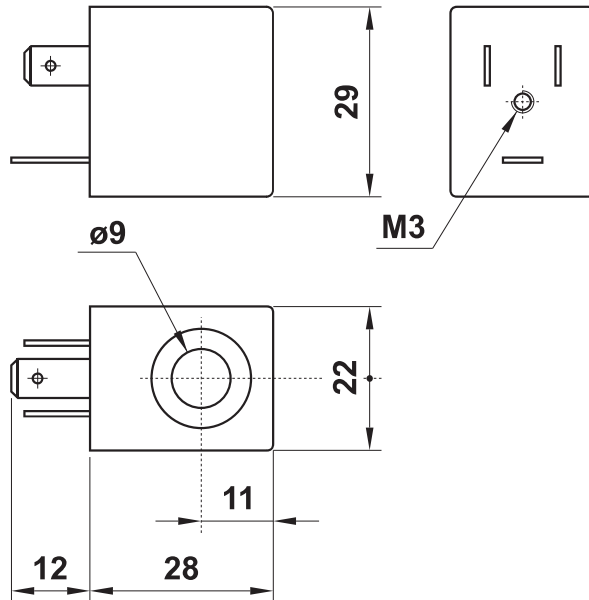
22 mm



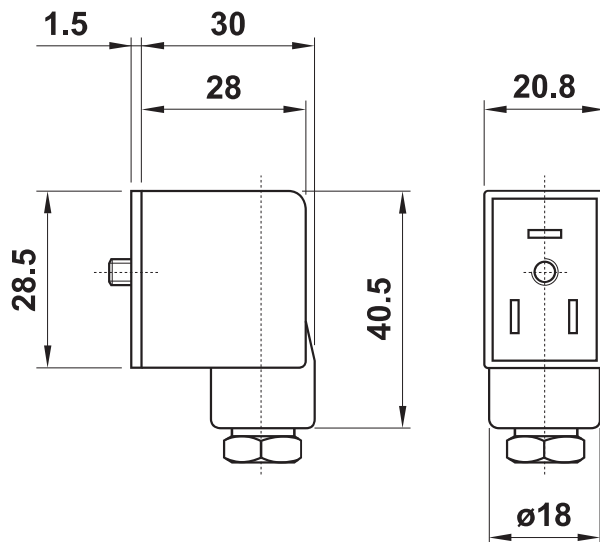
| | | |
|---|----------------|--|
| temperatura max di esercizio | +50°C | <i>max working temperature</i> |
| inserimento | ED 100% | <i>duty cycle</i> |
| protezione con connettore correttamente montato | IP 65 | <i>protection with connector correctly mounted</i> |
| tolleranza di tensione | ±10% | <i>tension tolerance</i> |

- a richiesta basso assorbimento 1.5W
low consumption (1.5W) on request

| codice <i>code</i> | tensione <i>tension</i> | consumo - power | |
|-----------------------|----------------------------|--------------------------|----------------------------|
| | | a regime <i>rated</i> | di spunto <i>inrush</i> |
| 00.167.0 | 12V DC | 3W | |
| 00.028.0 | 24V DC | 3W | |
| 00.029.0 | 24V 50/60Hz | 5VA | 7.5VA |
| 00.030.0 | 110V 50/60Hz | 5VA | 7.5VA |
| 00.031.0 | 220V 50/60Hz | 5VA | 7.5VA |



| codice <i>code</i> | colore <i>colour</i> | cavo <i>cable</i> | tipo <i>type</i> |
|-----------------------|-----------------------------------|----------------------|--|
| 00.197.0 | nero <i>black</i> | PG09 | normale <i>standard</i> |
| 00.344.0 | trasparente <i>transparent</i> | PG09 | con LED 24V <i>with LED 24V</i> |
| 00.345.0 | trasparente <i>transparent</i> | PG09 | con LED 24V e VDR <i>with LED 24V and VDR</i> |
| 00.346.0 | trasparente <i>transparent</i> | PG09 | con LED 115V <i>with LED 115V</i> |
| 00.347.0 | trasparente <i>transparent</i> | PG09 | con LED 115V e VDR <i>with LED 115V and VDR</i> |
| 00.394.0 | trasparente <i>transparent</i> | PG09 | con LED 230V <i>with LED 230V</i> |
| 00.395.0 | trasparente <i>transparent</i> | PG09 | con LED 230V e VDR <i>with LED 230V and VDR</i> |



PEZZI DI RICAMBIO - spare parts

| | |
|---|--|
| <p>canotto per elettropilota <i>armature for solenoid pilot</i></p> <p>NC : 00.088.0 NA (NO) : 00.306.0</p> | <p>ghiera in alluminio e rondella <i>aluminium nut and elastic ring</i></p> <p>00.125.2</p> |
| | <p>ghiera in plastica <i>nut in plastic material</i></p> <p>00.186.0</p> |