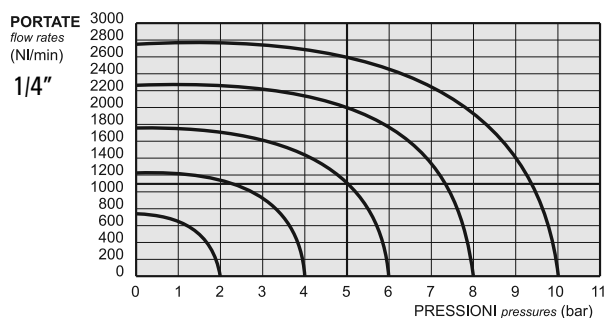
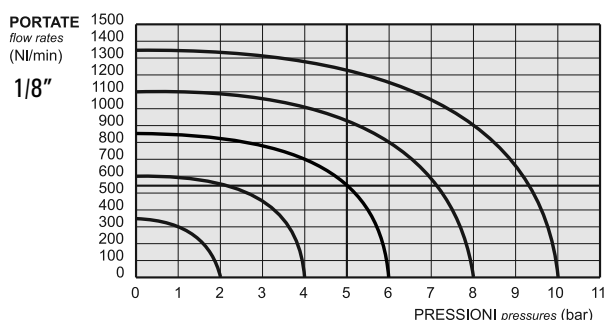
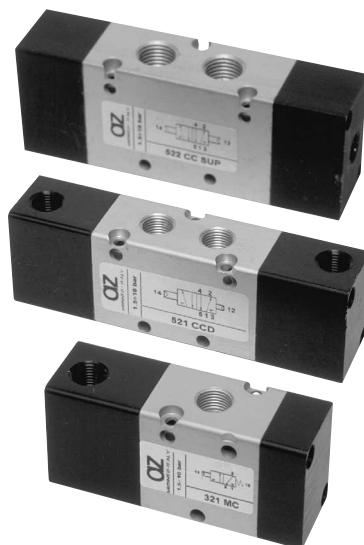


valvole ad azionamento pneumatico

pneumatically piloted 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 (pag. 192-201)
Installation in-line, gang or manifold mounted (refer to pages 192-201)
- Ampia gamma di azionamenti
Comprehensive range of actuations
- Versioni con elemento logico integrato
Versions with integrated logic element
- 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

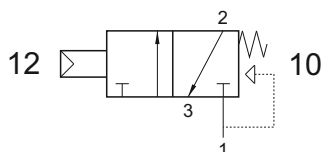
	1/8"	1/4"
monostabile <i>mono-stable</i>	TRA (14): 6 ms TRR (12): 15 ms	TRA (14): 7 ms TRR (12): 15 ms
bistabile <i>bi-stable</i>	TRA (14): 7 ms TRR (12): 7 ms	TRA (14): 7 ms TRR (12): 7 ms

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>	monostabile <i>[mono-stable]</i>	bistabile <i>[bi-stable]</i>
	2.5 ... 10 bar 0.25 ... 1 MPa	-0.9 ... 10 bar -0.09 ... 1 MPa
Pressione di azionamento <i>Actuating pressure</i>	monostabile <i>[mono-stable]</i>	bistabile <i>[bi-stable]</i>
	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 50µ filtered, lubricated or non lubricated air	

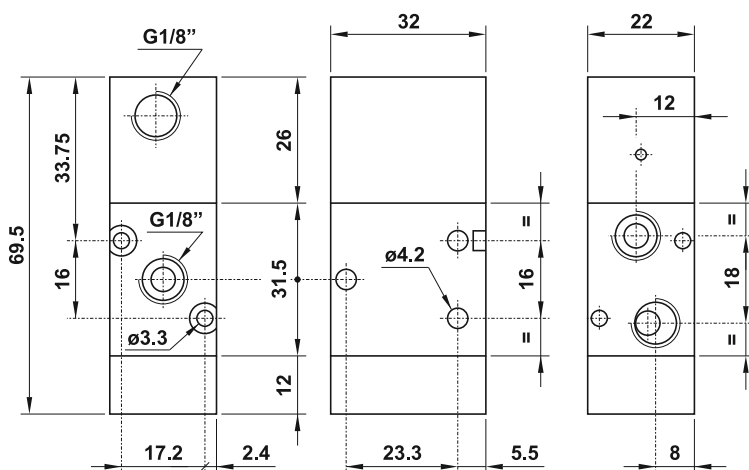
321 MC

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

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



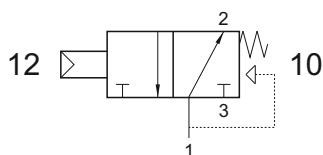
Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.



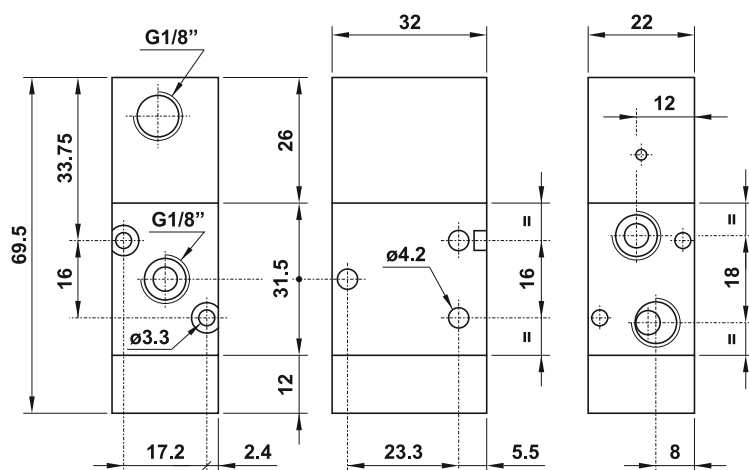
321 MCA

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

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



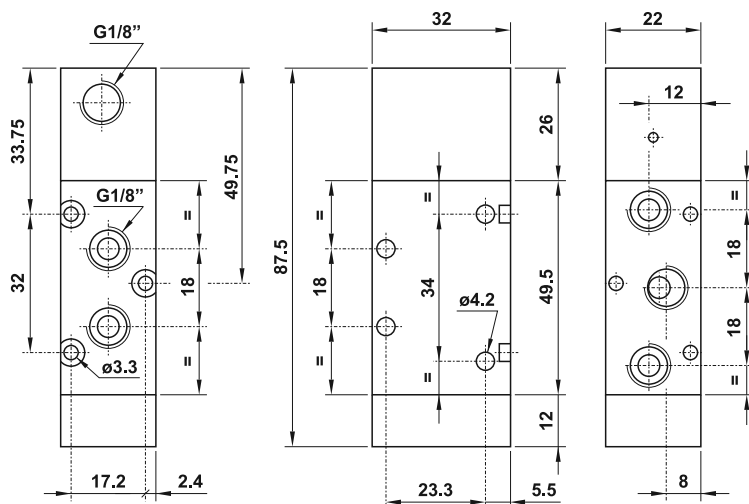
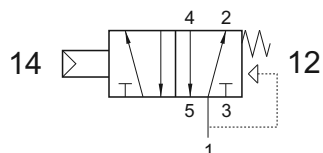
Non può essere utilizzata come valvola normalmente chiusa.
It cannot be used as normally closed valve.



521 MC

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

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



Technical drawing showing three vertical plates with dimensions and hole specifications.

Plate 1 (Left):

- Total height: 83.5
- Top hole: G1/8"
- Distance from top edge to center of top hole: 33.75
- Distance between centers of top and middle holes: 16
- Distance from center of middle hole to center of bottom hole: 31.5
- Distance from center of bottom hole to bottom edge: 26
- Distance from left edge to center of middle hole: 17.2
- Distance from left edge to center of bottom hole: 2.4
- Hole diameter: $\varnothing 3.3$

Plate 2 (Middle):

- Total width: 32
- Distance from left edge to center of left hole: 23.3
- Distance from center of left hole to center of right hole: 5.5
- Hole diameter: $\varnothing 4.2$

Plate 3 (Right):

- Total width: 22
- Distance from left edge to center of top hole: 12
- Distance from center of top hole to center of middle hole: 18
- Distance from center of middle hole to center of bottom hole: 8

Technical drawing showing three views (a, b, c) of a mechanical component with dimensions and features.

View (a): Front view showing a rectangular plate with a total height of 83.5. The plate has four circular features. The top feature is labeled G1/8". The second feature from the top is also labeled G1/8" and has a diameter of $\varnothing 3.3$. The bottom feature has a diameter of 17.2. The distance between the top and second features is 33.75. The distance between the second and third features is 16. The distance between the third and bottom features is 2.4. The total width is 26. The distance from the top edge to the center of the second feature is 31.5.

View (b): Side view showing a rectangular plate with a total width of 32. The plate has two circular features. The top feature has a diameter of $\varnothing 4.2$. The distance between the top and bottom features is 16. The distance from the top edge to the center of the top feature is 23.3. The distance from the bottom edge to the center of the bottom feature is 5.5.

View (c): End view showing a rectangular plate with a total width of 22. The plate has four circular features. The top feature has a diameter of 12. The distance between the top and second features is 18. The distance between the second and third features is 8. The distance between the third and bottom features is 18. The distance from the top edge to the center of the top feature is 12. The distance from the bottom edge to the center of the bottom feature is 18.

[illegible]

valvole ad azionamento pneumatico

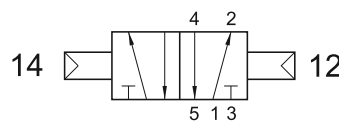
pneumatically piloted valves



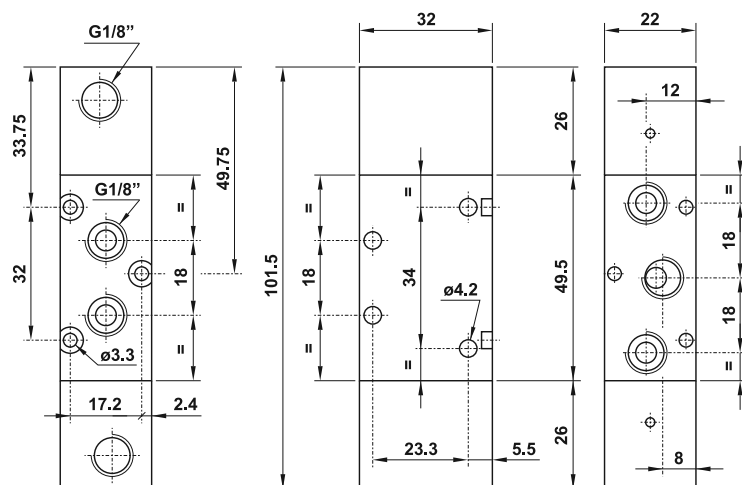
521 CC

5/2 1/8" doppio comando pneumatico

5/2 1/8" double pneumatic pilot



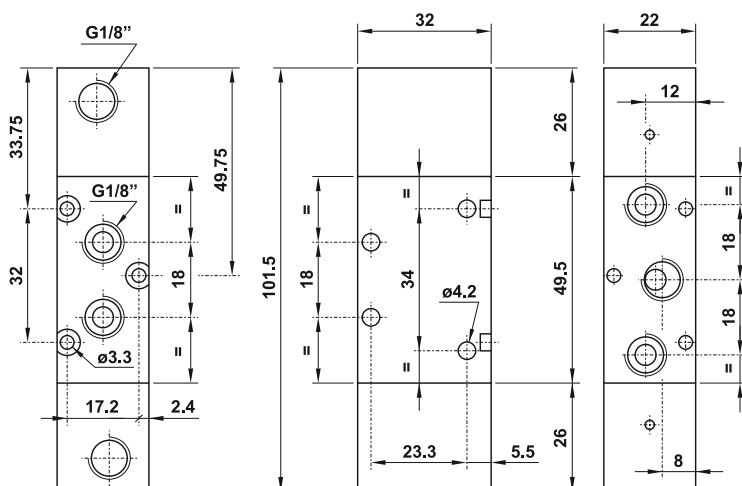
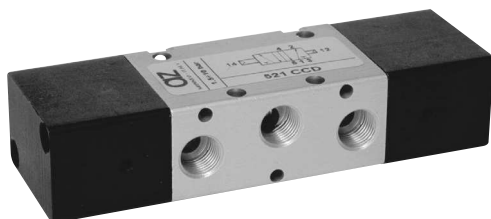
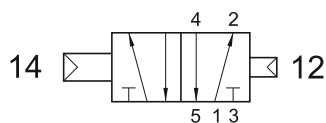
Può essere utilizzata con vuoto.
It can be used with vacuum.



521 CCD

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

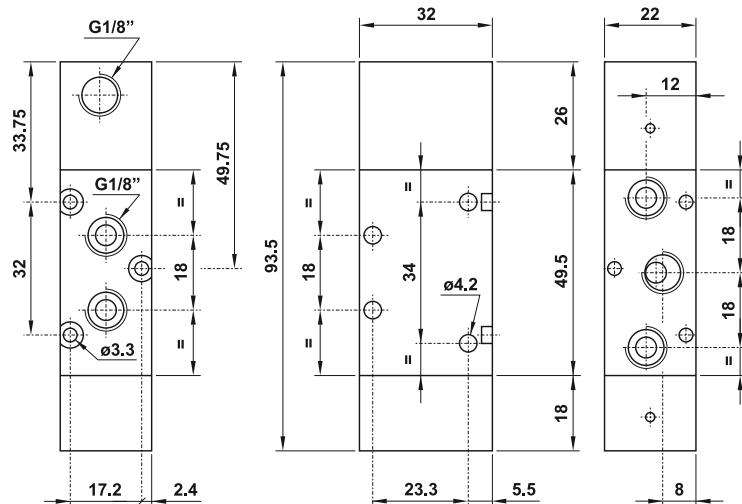
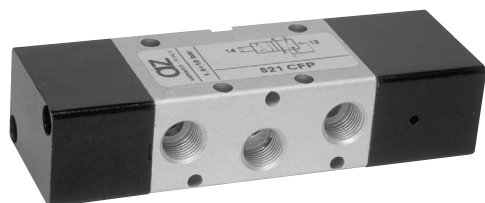
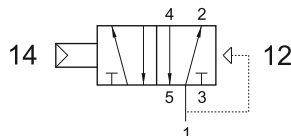
5/2 1/8" double pneumatic pilot - with differential



521 CFP

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

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



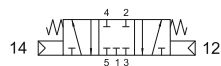
valvole ad azionamento pneumatico

pneumatically piloted valves



5213C CC

centri chiusi
closed centres



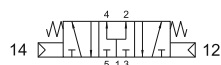
5213A CC

centri aperti
open centres



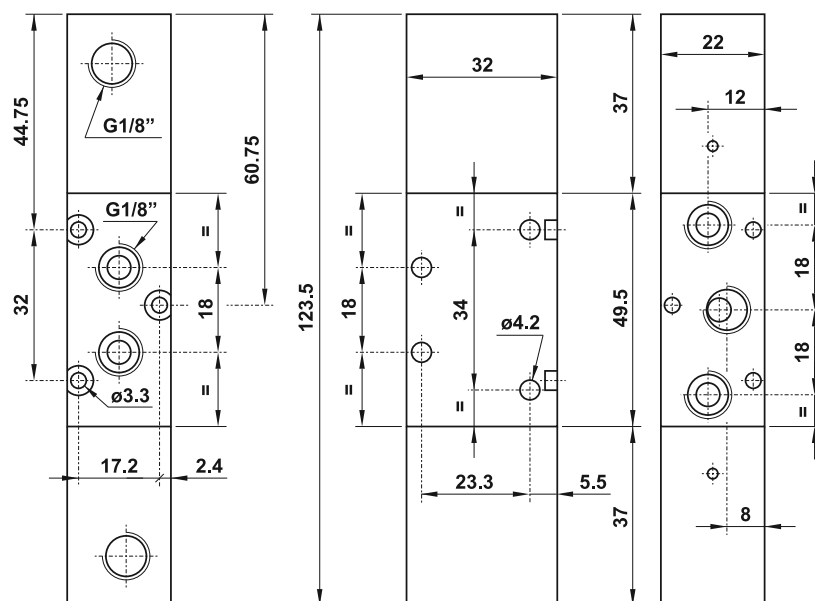
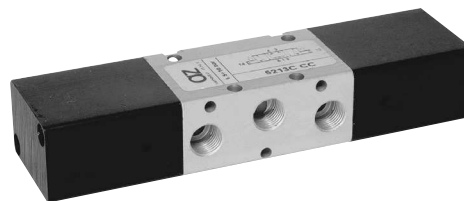
5213P CC

centri in pressione
pressurized centres



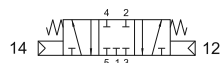
5/3 1/8" doppio comando pneumatico

5/3 1/8" double pneumatic pilot



5223C CC

centri chiusi
closed centres



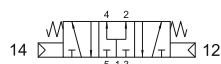
5223A CC

centri aperti
open centres



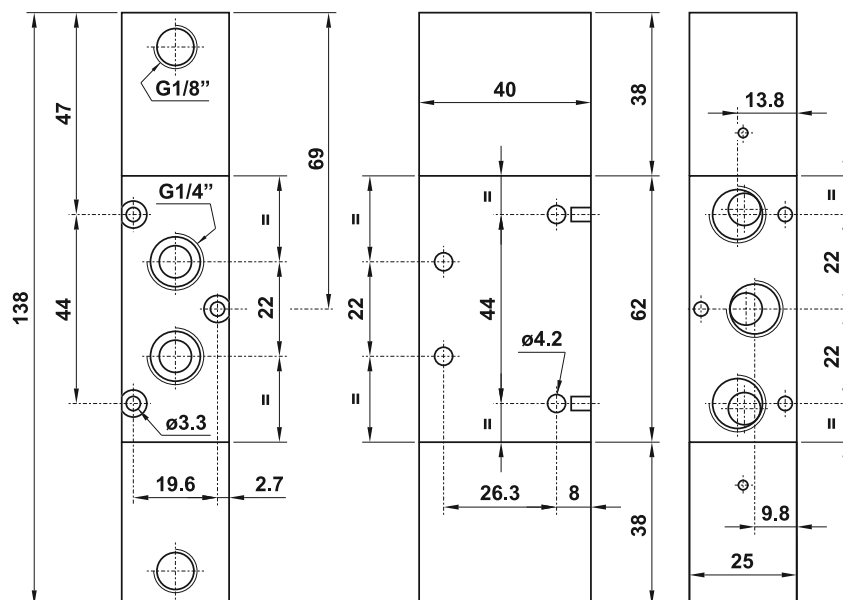
5223P CC

centri in pressione
pressurized centres



5/3 1/4" doppio comando pneumatico

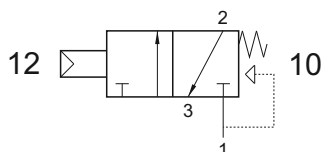
5/3 1/4" double pneumatic pilot



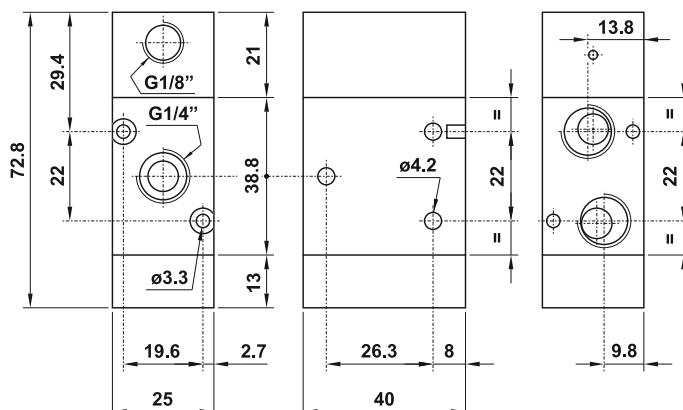
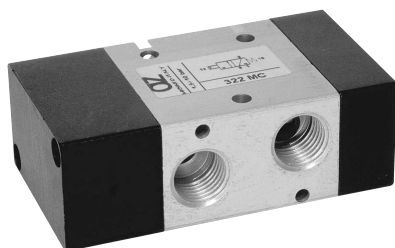
322 MC

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

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



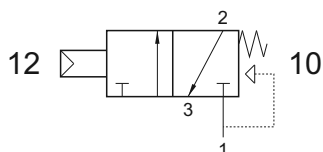
Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.



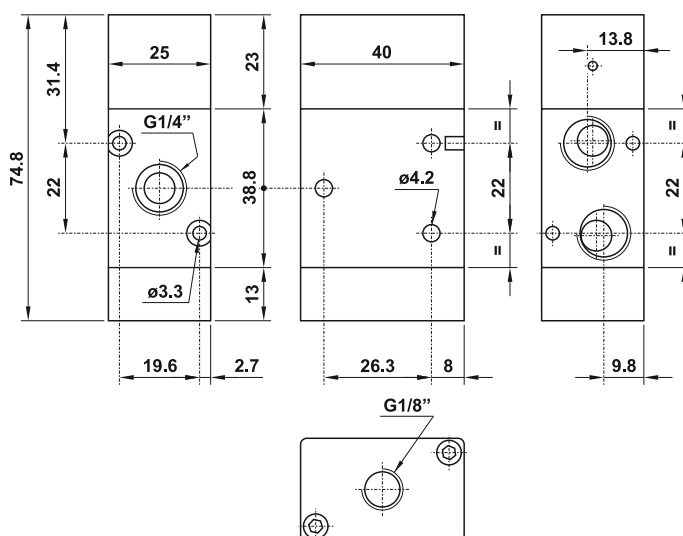
322 MC SUP

3/2 1/4" NC comando pneumatico attacco superiore - ritorno a molla

3/2 1/4" NC pneumatic pilot on the top - spring return



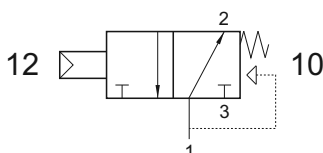
Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.



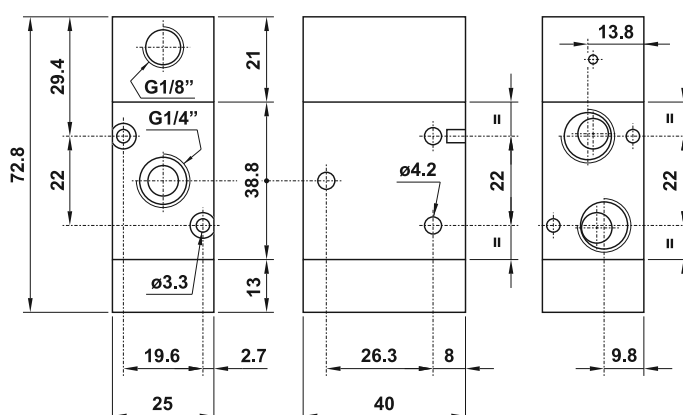
322 MCA

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

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



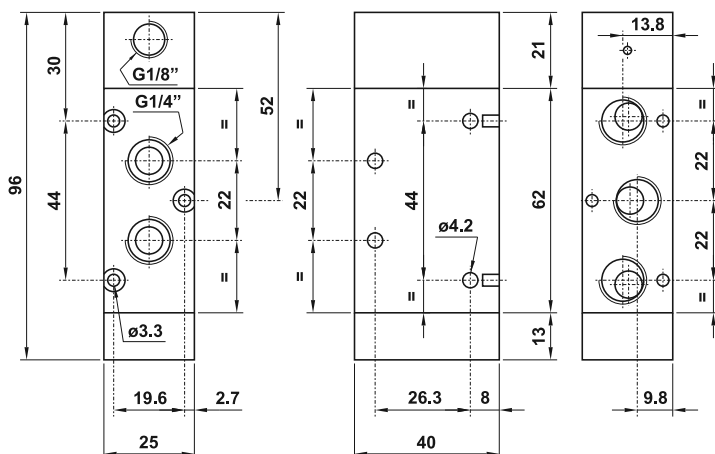
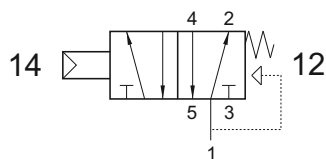
Non può essere utilizzata come valvola normalmente chiusa.
It cannot be used as normally closed valve.



522 MC

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

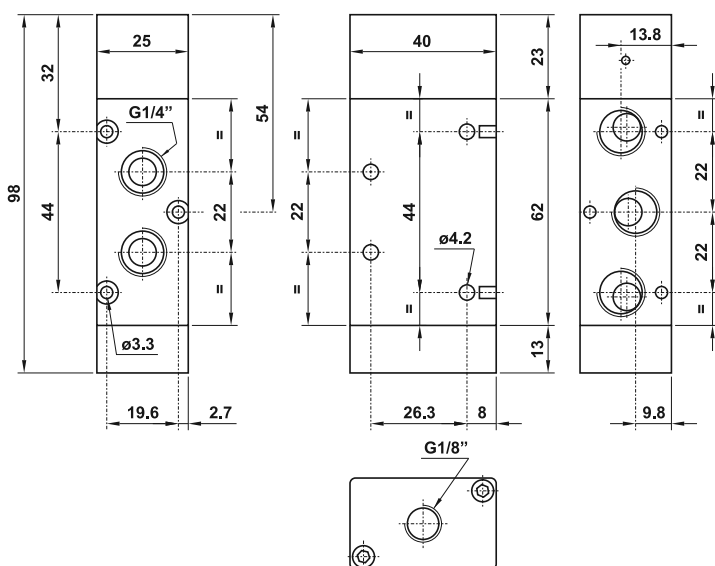
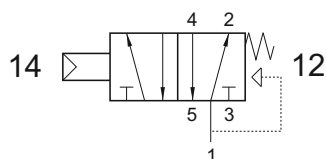
5/2 1/4" pneumatic pilot - spring return



522 MC SUP

5/2 1/4" comando pneumatico attacco superiore - ritorno a molla

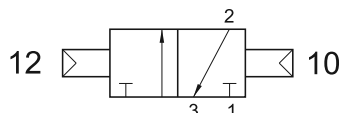
5/2 1/4" pneumatic pilot on the top - spring return



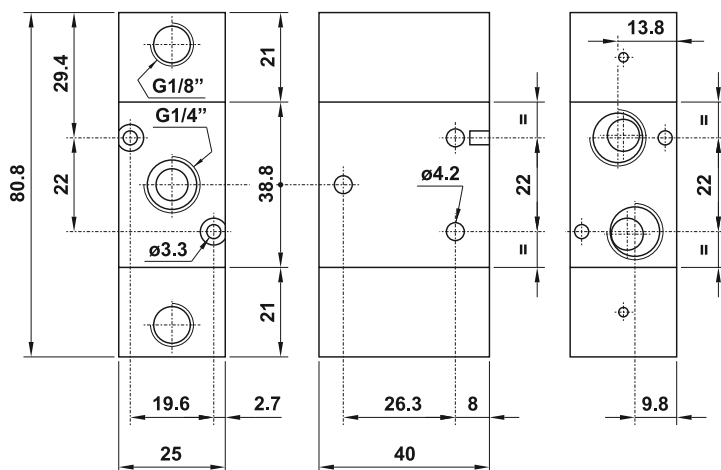
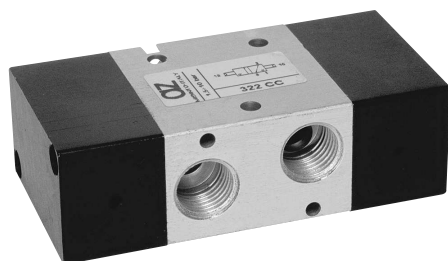
322 CC

3/2 1/4" doppio comando pneumatico

3/2 1/4" double pneumatic pilot



Può essere utilizzata con vuoto.
It can be used with vacuum.



valvole ad azionamento pneumatico

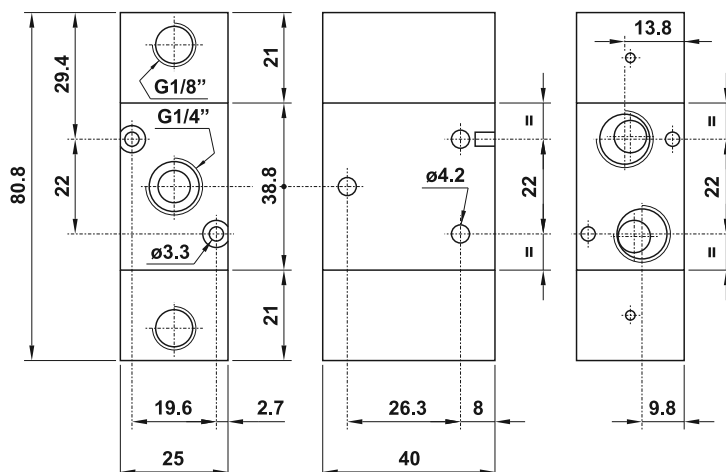
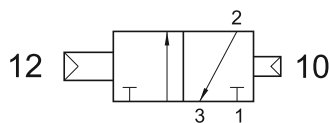
pneumatically piloted valves



322 CCD

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

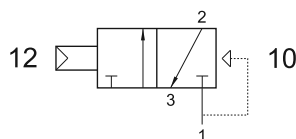
3/2 1/4" double pneumatic pilot - with differential



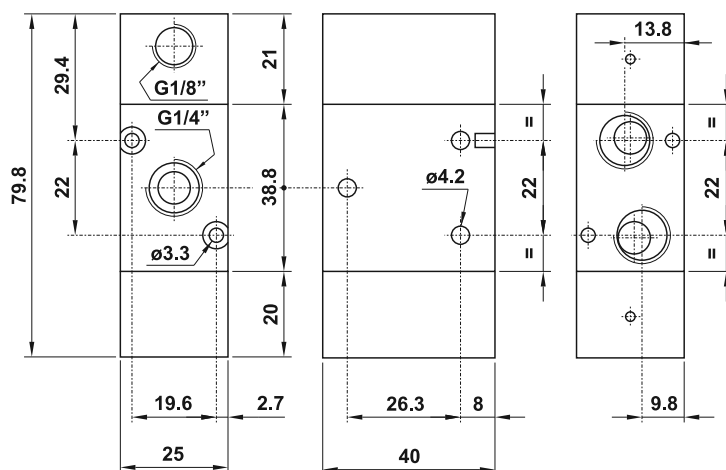
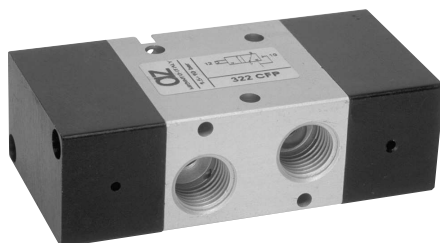
322 CFP

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

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



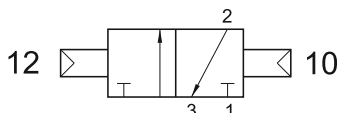
Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.



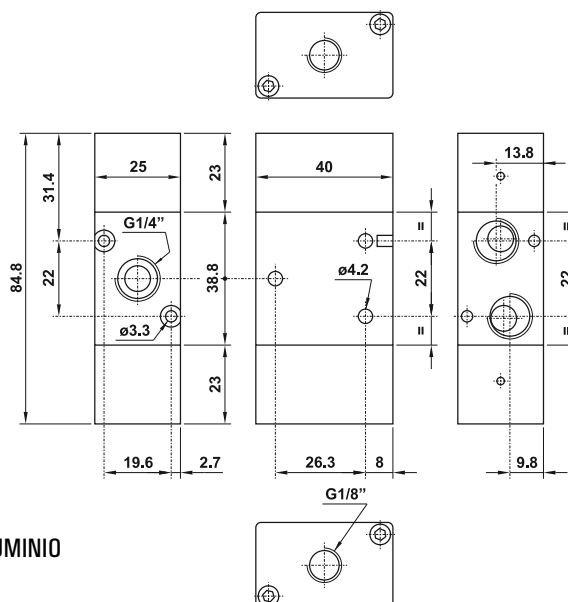
322 CC SUP

3/2 1/4" doppio comando pneumatico attacco superiore

3/2 1/4" double pneumatic pilot on the top



Può essere utilizzata con vuoto.
It can be used with vacuum.



SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION

valvole ad azionamento pneumatico

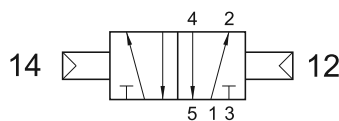
pneumatically piloted valves



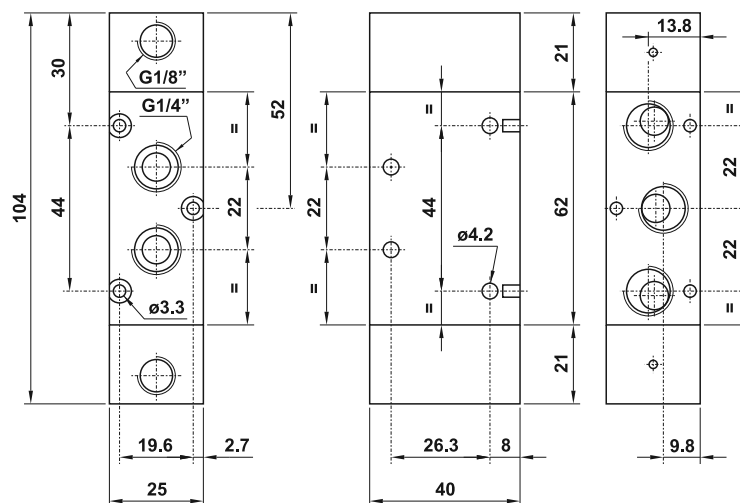
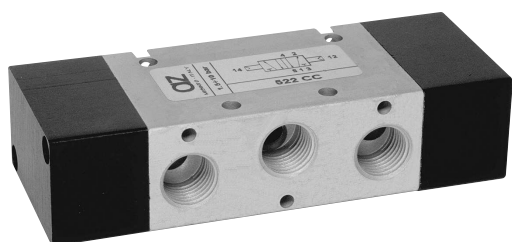
522 CC

5/2 1/4" doppio comando pneumatico

5/2 1/4" double pneumatic pilot



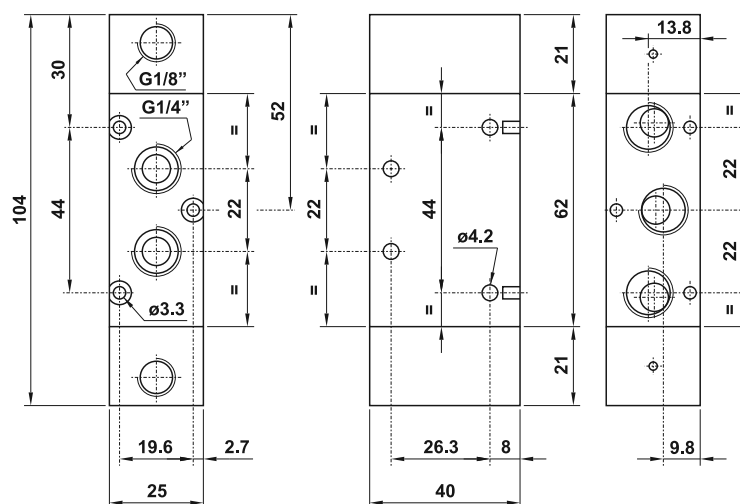
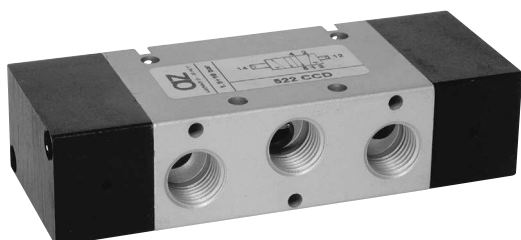
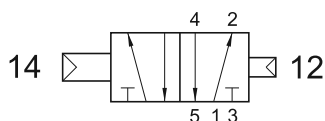
Può essere utilizzata con vuoto.
It can be used with vacuum.



522 CCD

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

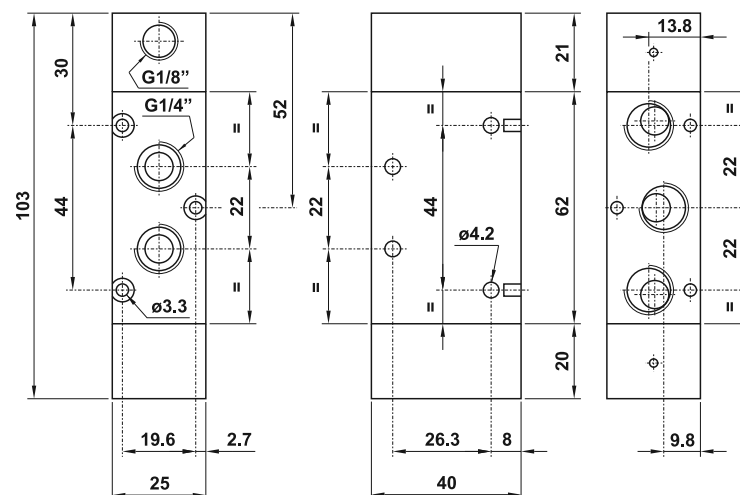
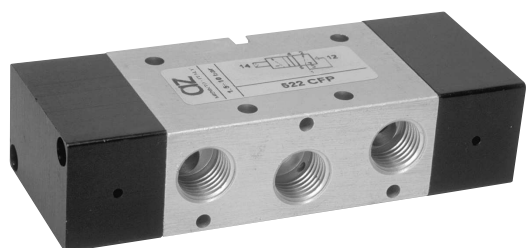
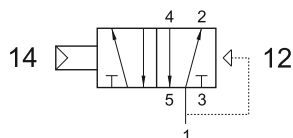
5/2 1/4" double pneumatic pilot - with differential

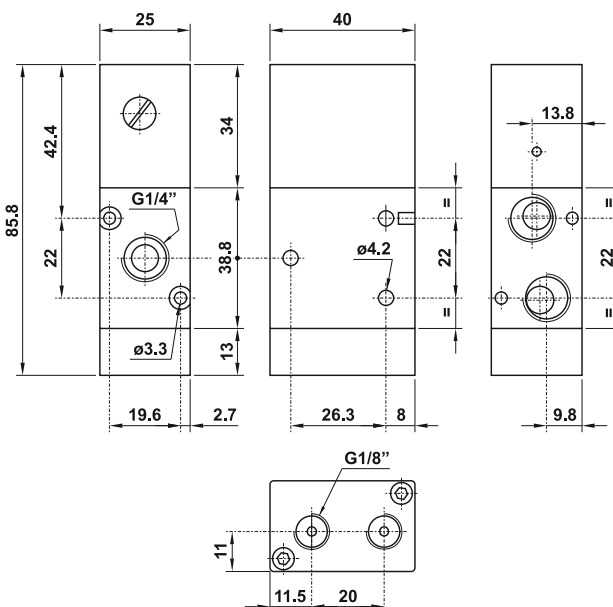
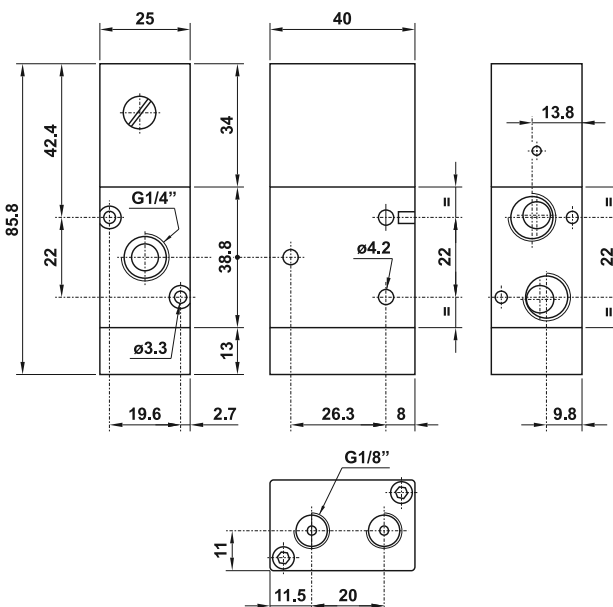
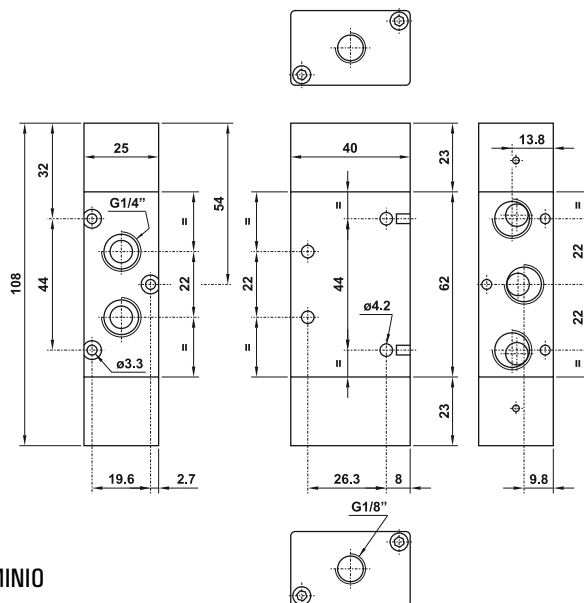


522 CFP

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

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

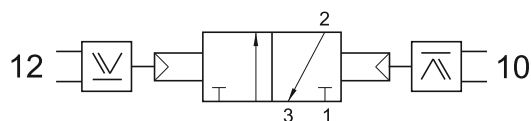




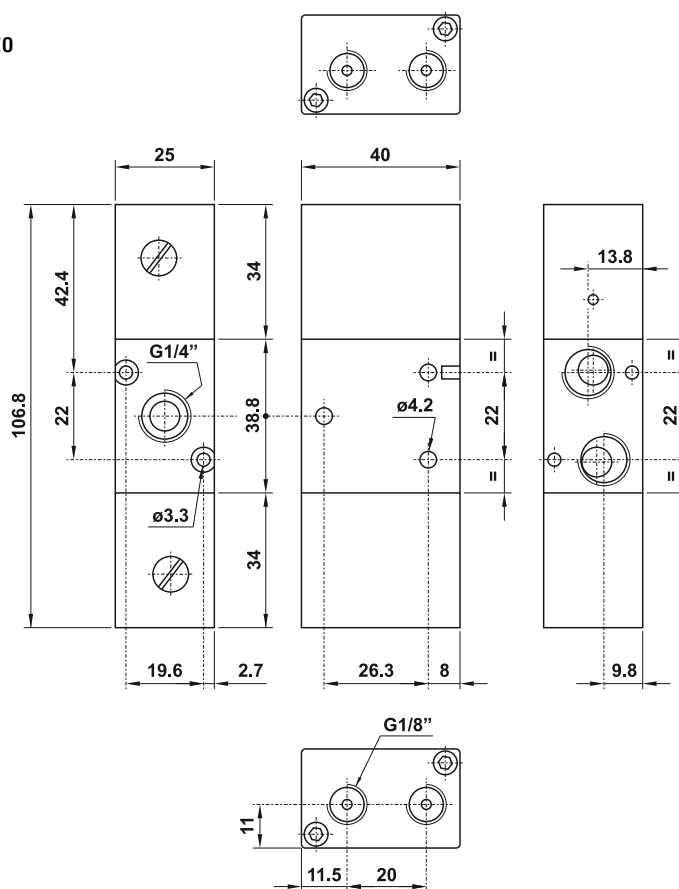
322 20R

3/2 1/4" doppio comando pneumatico con elemento OR integrato

3/2 1/4" double pneumatic pilot with integrated OR element



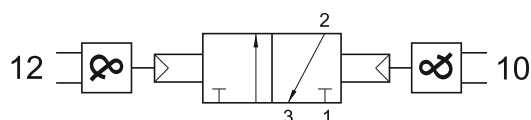
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



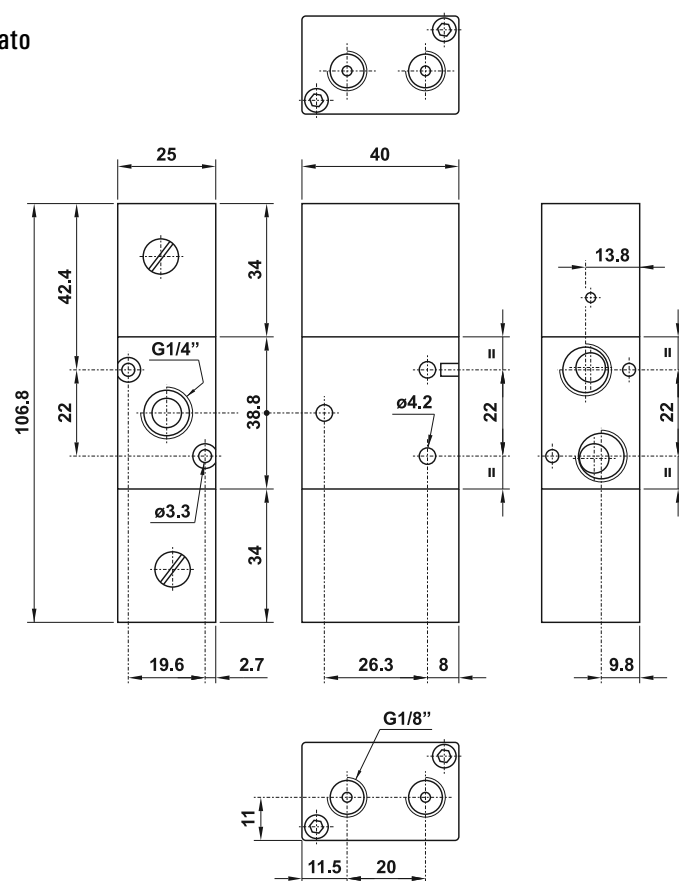
322 2AND

3/2 1/4" doppio comando pneumatico con elemento AND integrato

3/2 1/4" double pneumatic pilot with integrated AND element



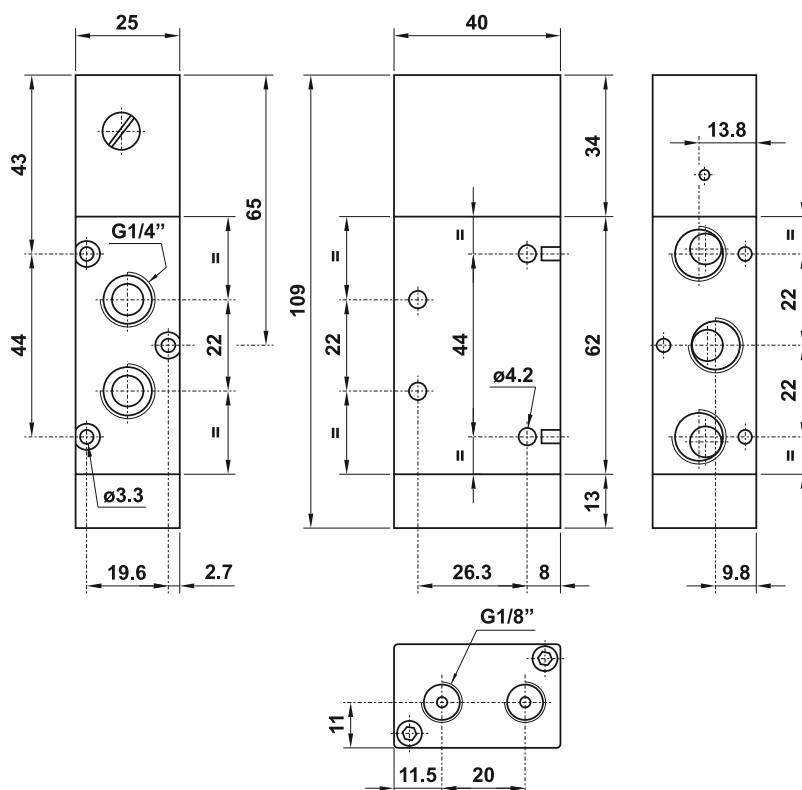
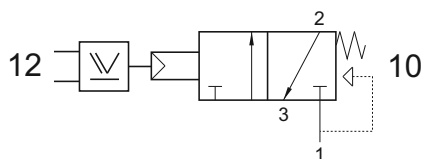
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



522 ORM

5/2 1/4" comando pneum. con elemento OR integrato - ritorno a molla

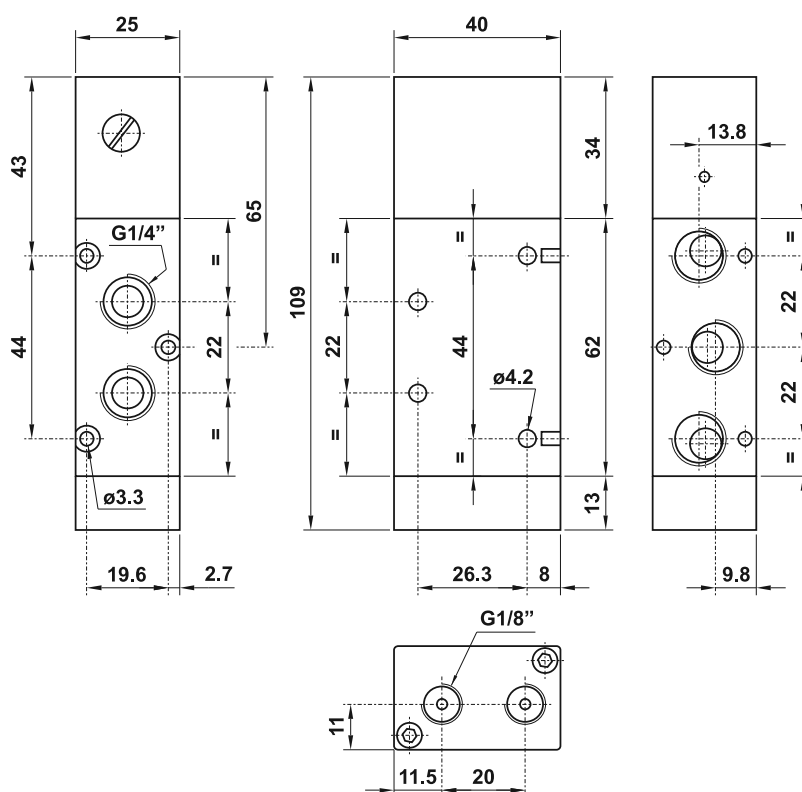
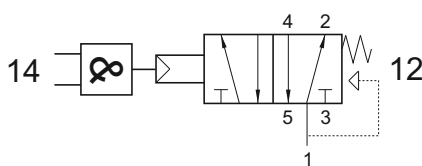
5/2 1/4" pneumatic pilot with integrated OR element - spring return



522 ANDM

5/2 1/4" comando pneum. con elem. AND integrato - ritorno a molla

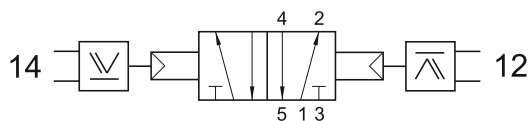
5/2 1/4" pneumatic pilot with integrated AND element - spring return



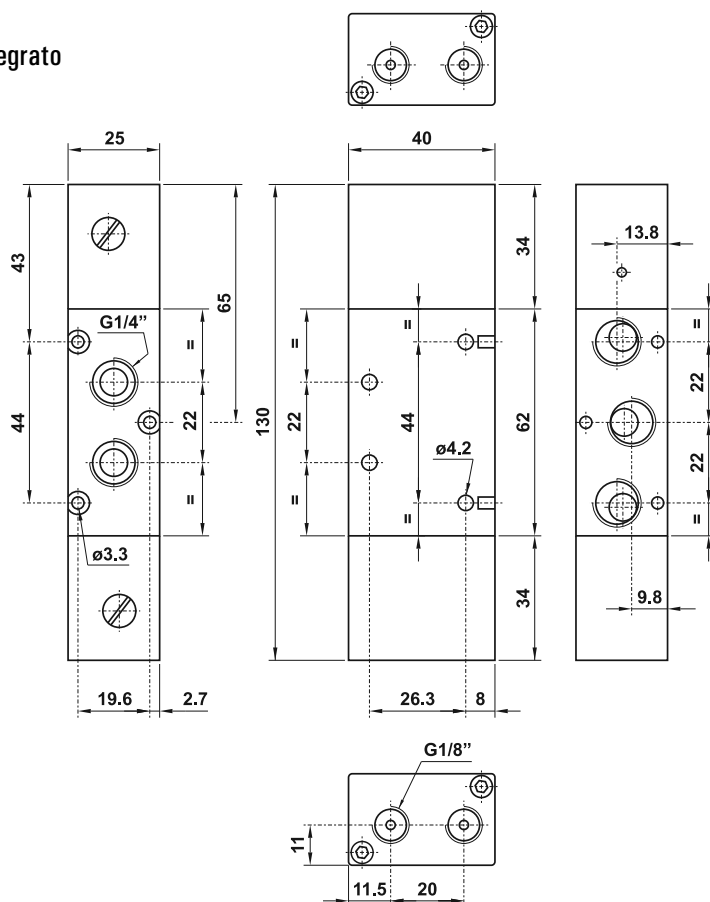
522 20R

5/2 1/4" doppio comando pneumatico con elemento OR integrato

5/2 1/4" double pneumatic pilot with integrated OR element



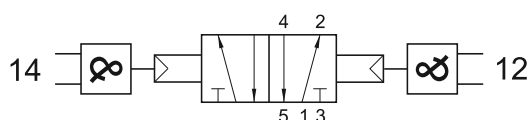
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



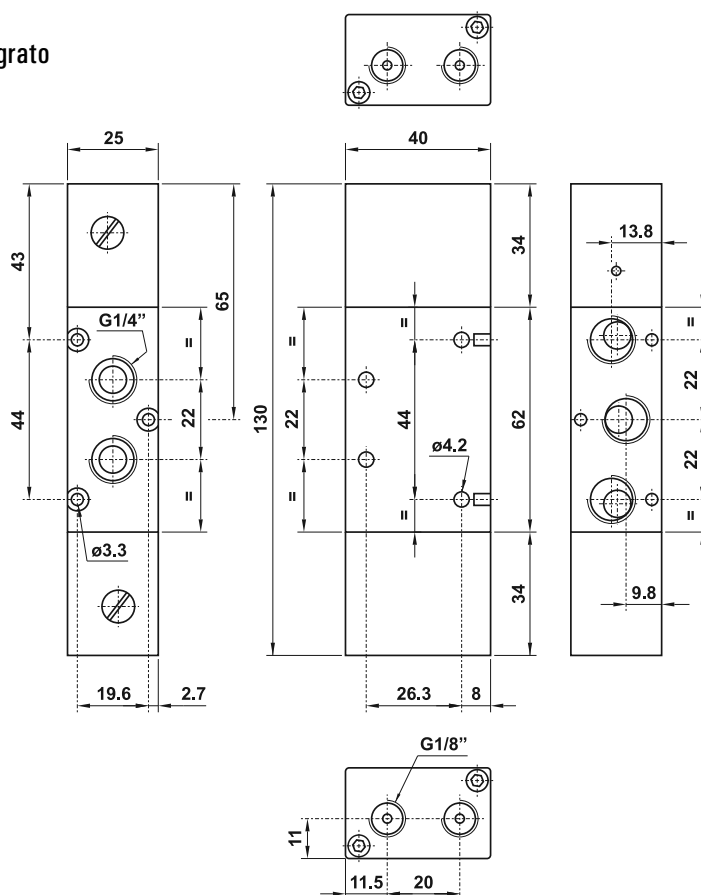
522 2AND

5/2 1/4" doppio comando pneumatico con elemento AND integrato

5/2 1/4" double pneumatic pilot with integrated AND element



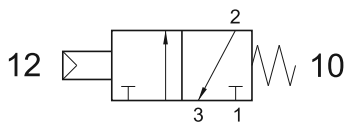
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



322 MRC

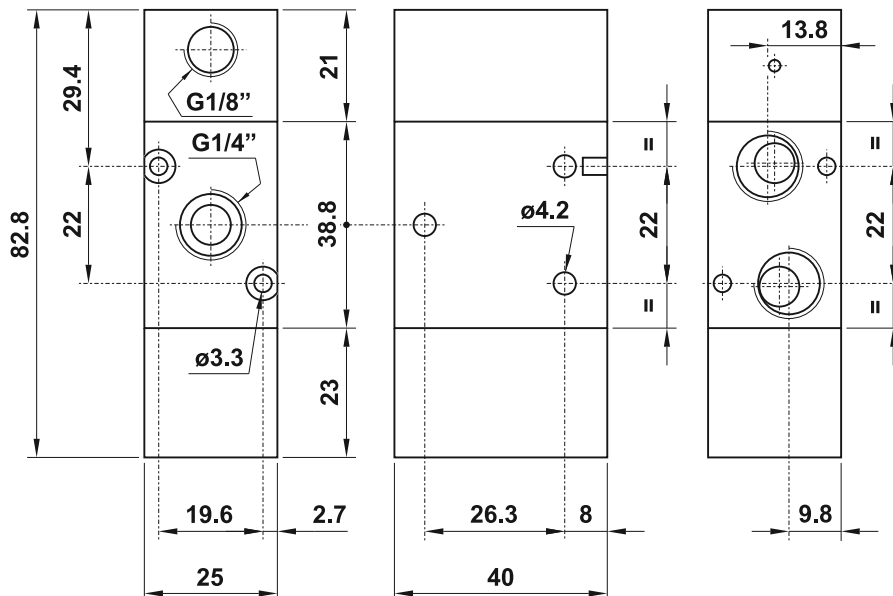
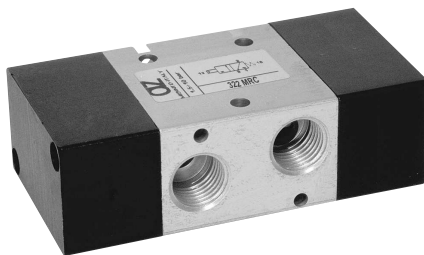
3/2 1/4" comando pneumatico - ritorno a molla FONDELLO RINFORZATO

3/2 1/4" pneumatic pilot - REINFORCED spring return



Pressione di esercizio: -0.9 ... 10 bar
Working pressure: -0.9 ... 10 bar

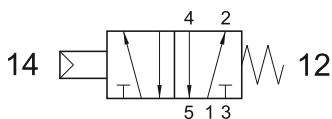
Pressione di azionamento: 2.5 ... 10 bar
Actuating pressure: 2.5 ... 10 bar



522 MRC

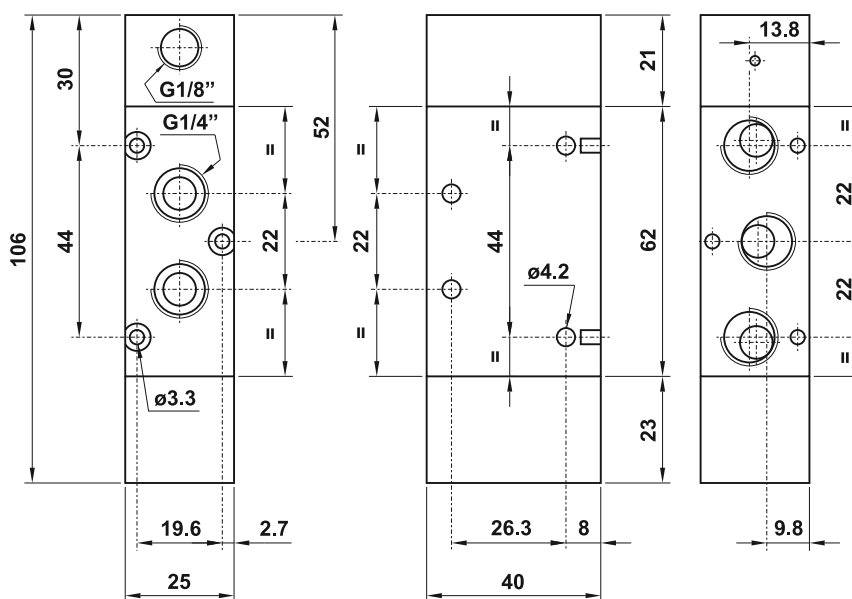
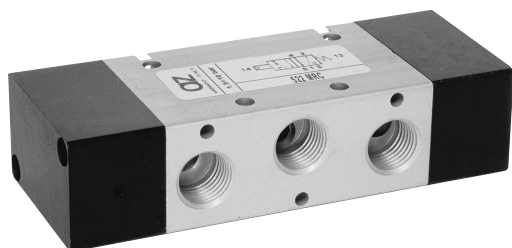
5/2 1/4" comando pneumatico - ritorno a molla FONDELLO RINFORZATO

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



Pressione di esercizio: -0.9 ... 10 bar
Working pressure: -0.9 ... 10 bar

Pressione di azionamento: 2.5 ... 10 bar
Actuating pressure: 2.5 ... 10 bar



valvole ad azionamento pneumatico

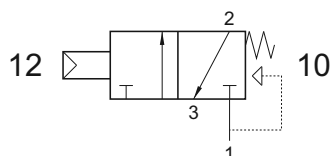
pneumatically piloted valves



321 MCQ

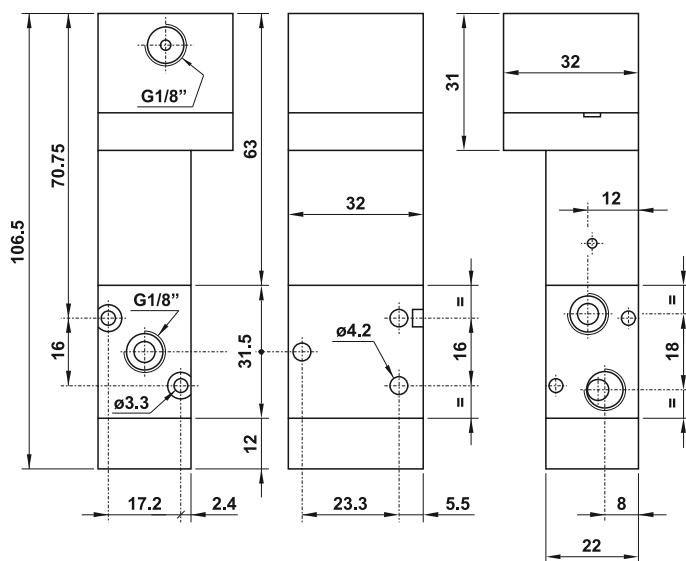
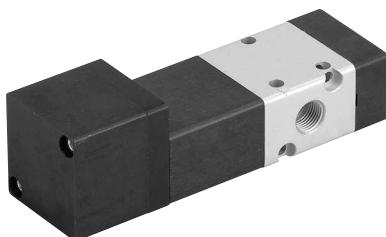
3/2 1/8" NC comando pneumatico 0.3 bar - ritorno a molla

3/2 1/8" NC pneumatic pilot 0.3 bar - spring return



Pressione di esercizio: min. 2.5 bar
Pressione di azionamento: min. 0.3 bar

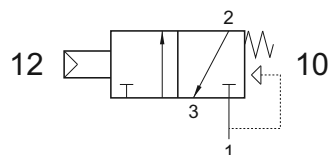
Working pressure: min. 2.5 bar
Actuating pressure: min. 0.3 bar



321 MCS

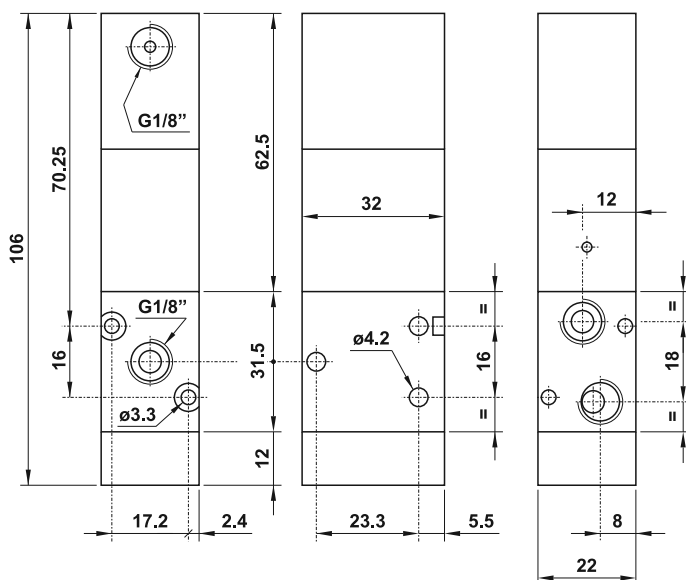
3/2 1/8" NC comando pneumatico 0.6 bar - ritorno a molla

3/2 1/8" NC pneumatic pilot 0.6 bar - spring return



Pressione di esercizio: min. 2.5 bar
Pressione di azionamento: min. 0.6 bar

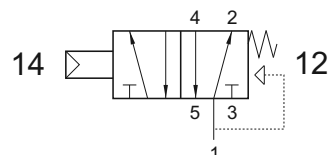
Working pressure: min. 2.5 bar
Actuating pressure: min. 0.6 bar



521 MCQ

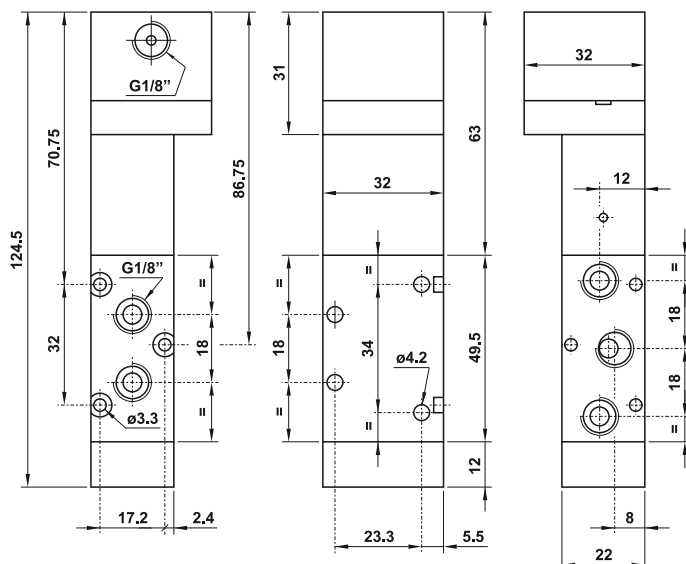
5/2 1/8" comando pneumatico 0.3 bar - ritorno a molla

5/2 1/8" pneumatic pilot 0.3 bar - spring return



Pressione di esercizio: min. 2.5 bar
Pressione di azionamento: min. 0.3 bar

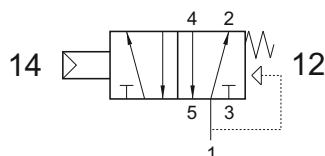
Working pressure: min. 2.5 bar
Actuating pressure: min. 0.3 bar



521 MCS

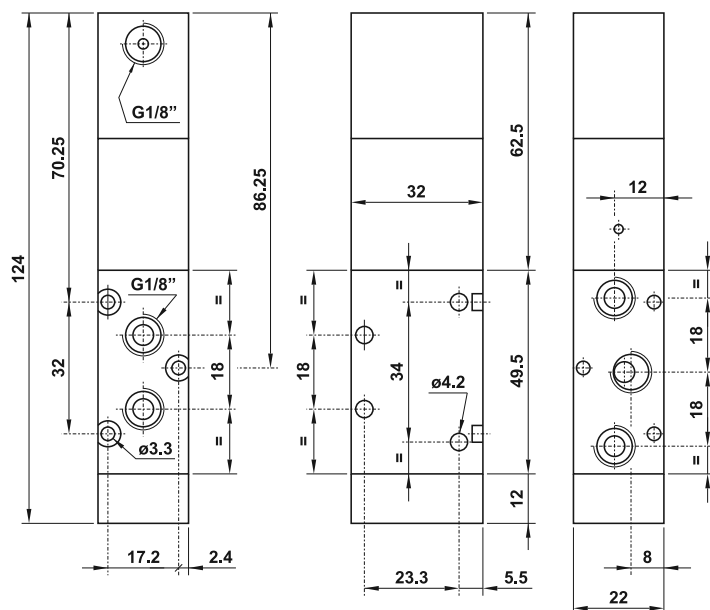
5/2 1/8" comando pneumatico 0.6 bar - ritorno a molla

5/2 1/8" pneumatic pilot 0.6 bar - spring return



Pressione di esercizio: min. 2.5 bar
Pressione di azionamento: min. 0.6 bar

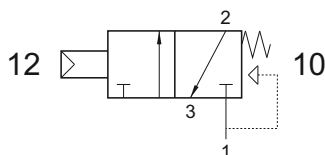
Working pressure: min. 2.5 bar
Actuating pressure: min. 0.6 bar



322 MCS

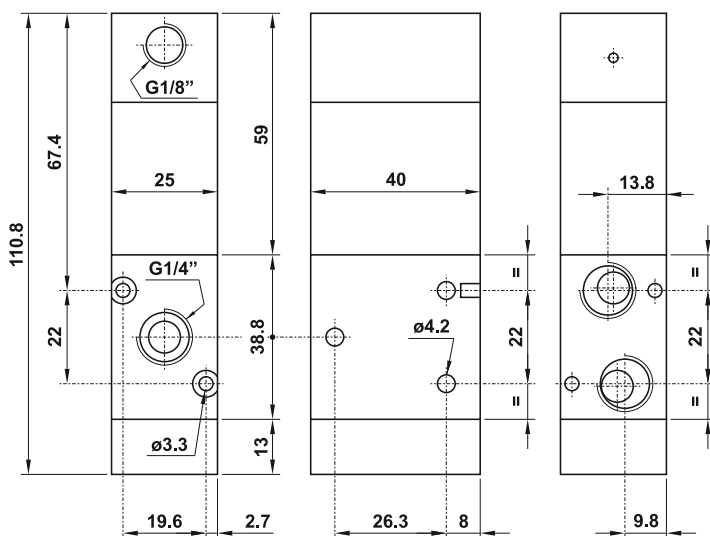
3/2 1/4" NC comando pneumatico 0.6 bar - ritorno a molla

3/2 1/4" NC pneumatic pilot 0.6 bar - spring return



Pressione di esercizio: min. 2.5 bar
Pressione di azionamento: min. 0.6 bar

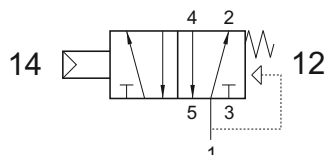
Working pressure: min. 2.5 bar
Actuating pressure: min. 0.6 bar



522 MCS

5/2 1/4" comando pneumatico 0.6 bar - ritorno a molla

5/2 1/4" pneumatic pilot 0.6 bar - spring return



Pressione di esercizio: min. 2.5 bar
Pressione di azionamento: min. 0.6 bar

Working pressure: min. 2.5 bar
Actuating pressure: min. 0.6 bar

