

Клапаны с пневматическим управлением

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Россия (495)268-04-70

Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Киргизия (996)312-96-26-47

Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Казахстан (7172)727-132

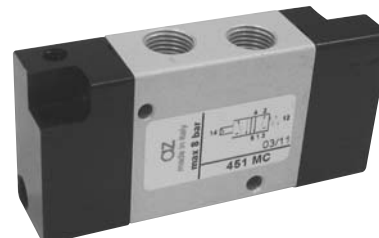
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

valvole 16 mm ad azionamento pneumatico

pneumatically piloted valves - 16 mm



- Valvole a spola 5/2 con attacchi filettati M5 o G1/8" (scarichi M5)
5/2 spool valves with M5 or G1/8" threaded ports (M5 exhaust ports)
- Spessore della valvola: 16 mm
Valve thickness: 16 mm
- Montaggio in linea o su basi modulari (pag. 257-259)
Installation in-line or on multiple sub-bases (refer to pages 257-259)
- Azionamento pneumatico monostabile o bistabile
Mono-stable or bi-stable pneumatic pilot



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

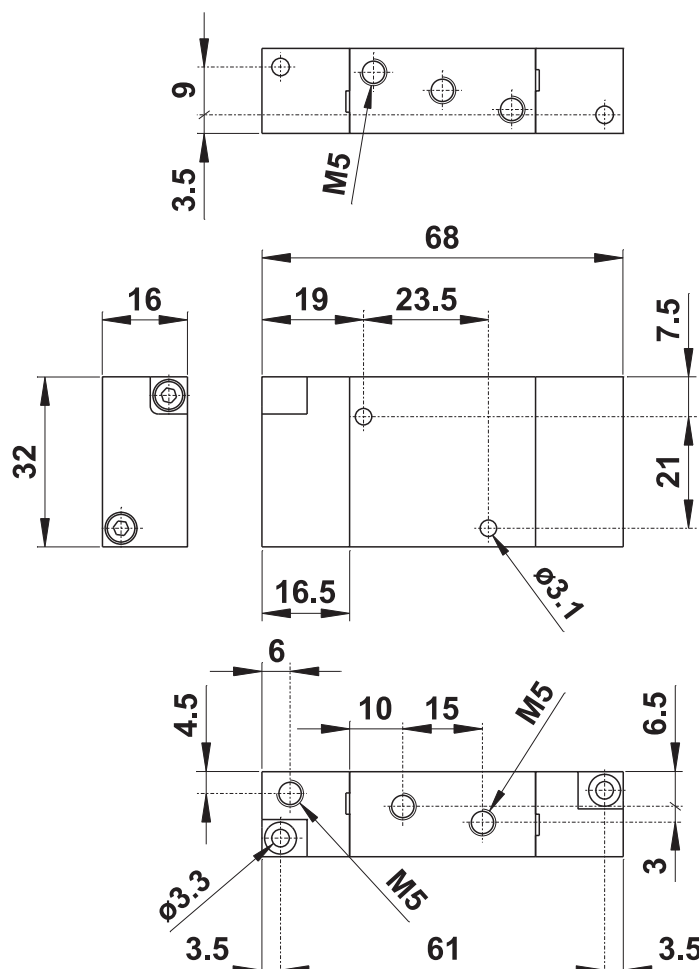
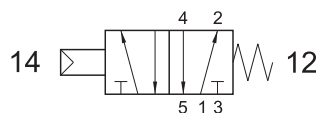
Internal parts: brass OT58

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 Nl/min G1/8": 350 Nl/min	
Temperatura di esercizio <i>Temperature range</i>	max +60°C	
Pressione di esercizio <i>Working pressure</i>	-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>
	3 ... 10 bar 0.3 ... 1 MPa	2 ... 10 bar 0.2 ... 1 MPa
Fluido <i>Fluid</i>	Aria filtrata 50 μ con o senza lubrificazione <i>50μ filtered, lubricated or non lubricated air</i>	

455 MC

5/2 M5 comando pneumatico - ritorno a molla

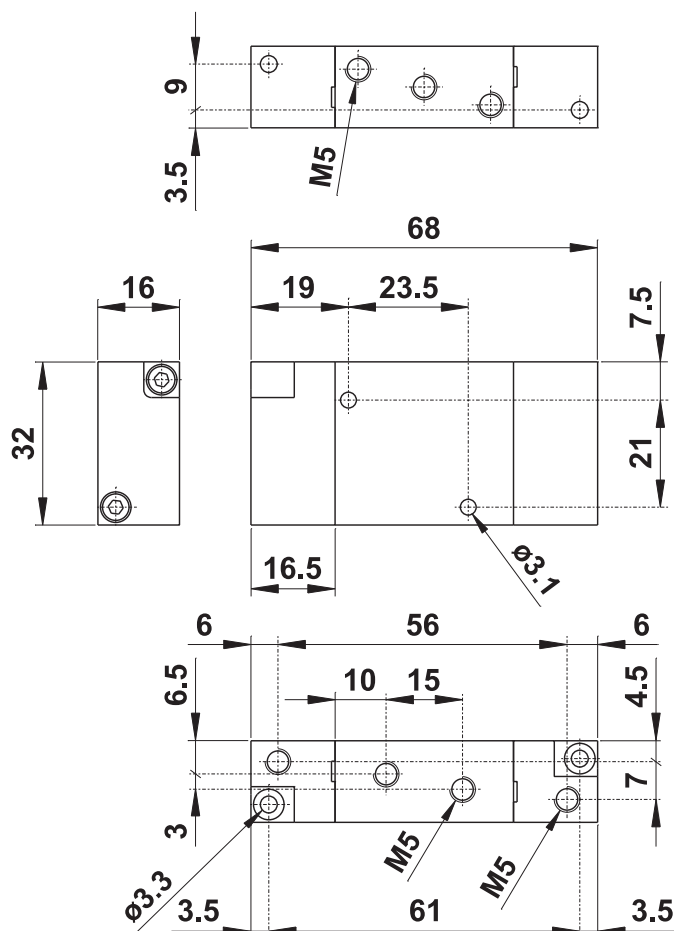
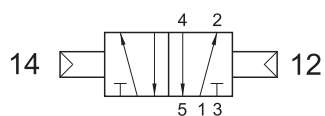
5/2 M5 pneumatic pilot - spring return



455 CC

5/2 M5 doppio comando pneumatico

5/2 M5 double pneumatic pilot



valvole 16 mm ad azionamento pneumatico

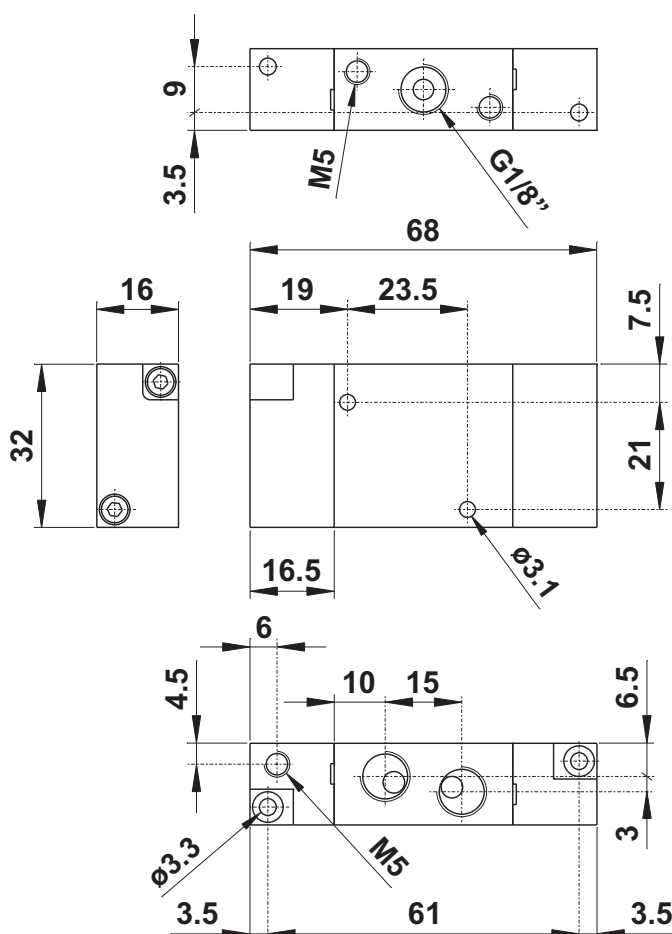
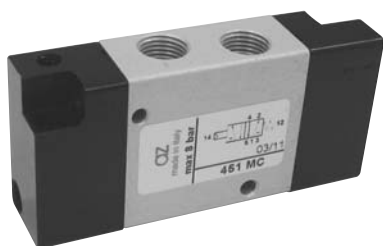
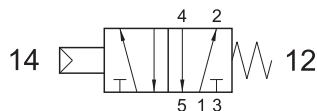
pneumatically piloted valves - 16 mm



451 MC

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

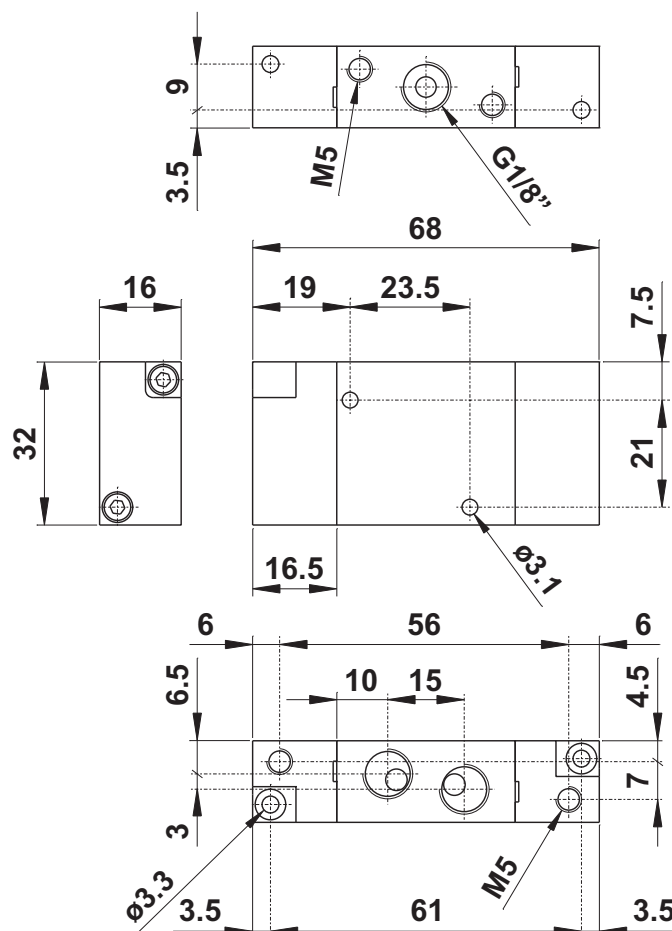
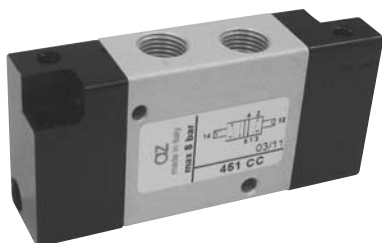
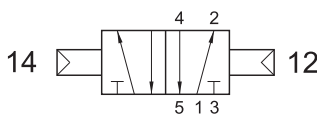
5/2 1/8" pneumatic pilot - spring return



451 CC

5/2 1/8" doppio comando pneumatico

5/2 1/8" double pneumatic pilot

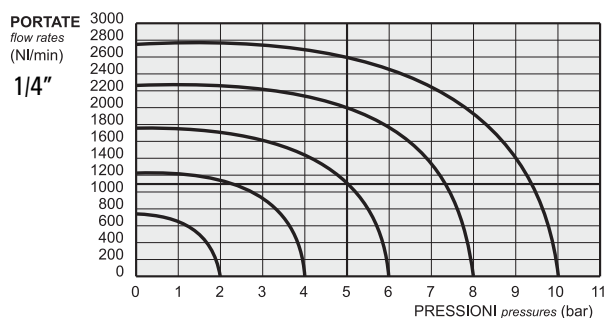
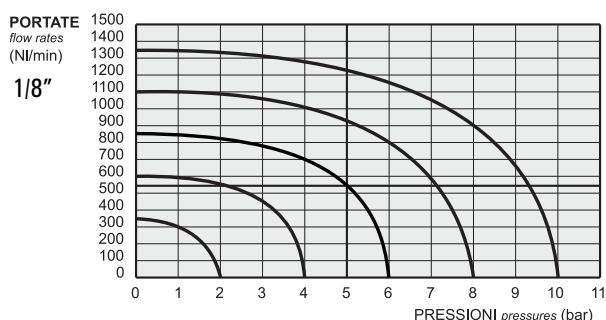
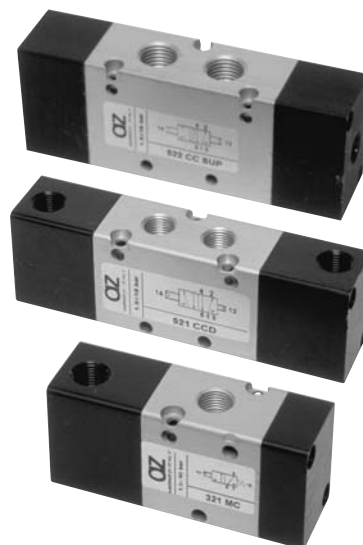


valvole ad azionamento pneumatico

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. 222-232)
Installation in-line, gang or manifold mounted (refer to pages 222-232)
- 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

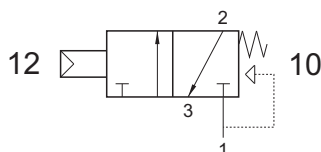
	1/8"	1/4"
monostabile <i>mono-stable</i>	TRA (14): 6 ms TRR (12): 15 ms	TRA (14): 7 ms TRR (12): 15 ms
bistabile <i>bi-stable</i>	TRA (14): 7 ms TRR (12): 7 ms	TRA (14): 7 ms TRR (12): 7 ms

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	

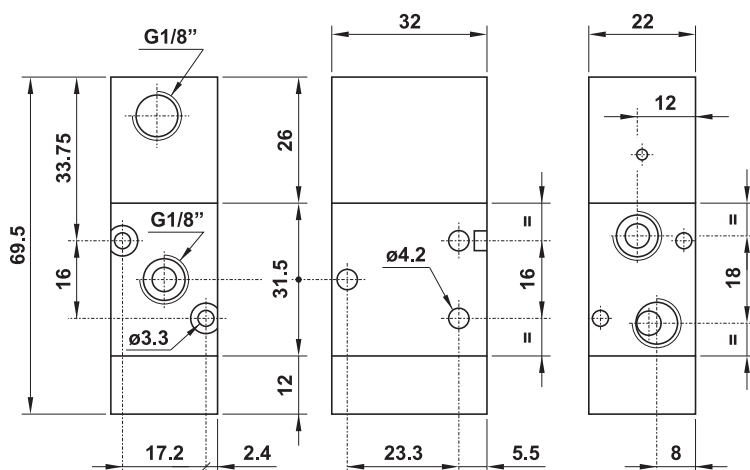
321 MC

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

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



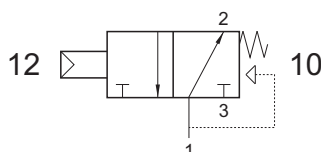
Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.



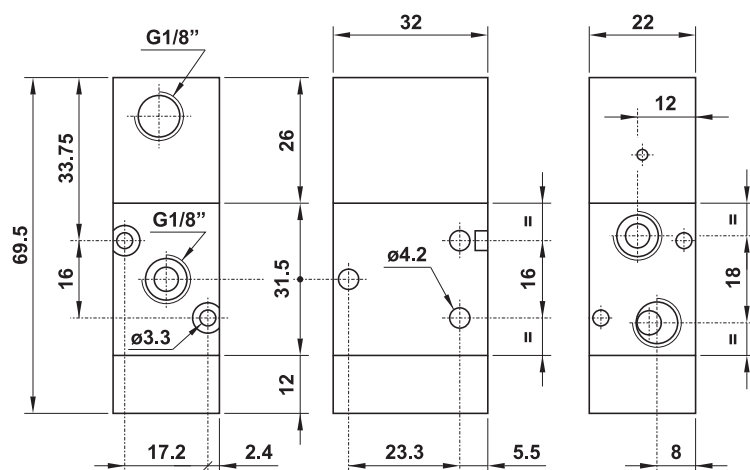
321 MCA

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

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



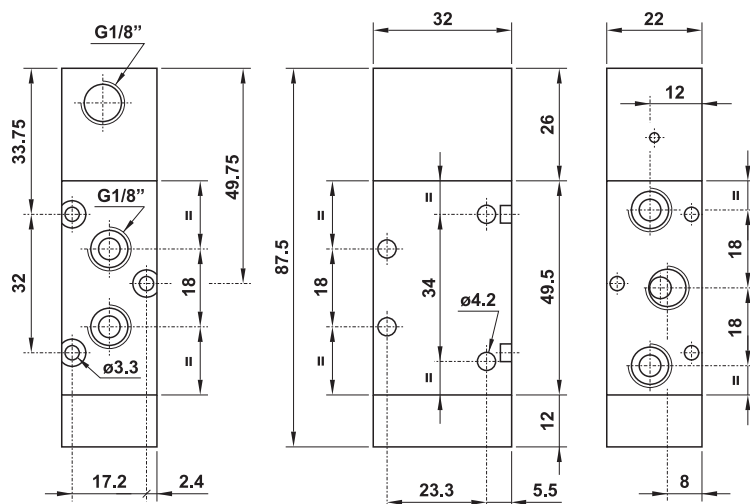
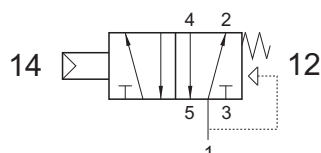
Non può essere utilizzata come valvola normalmente chiusa.
It cannot be used as normally closed valve.



521 MC

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

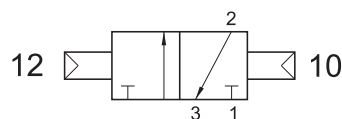
5/2 1/8" pneumatic pilot - spring return



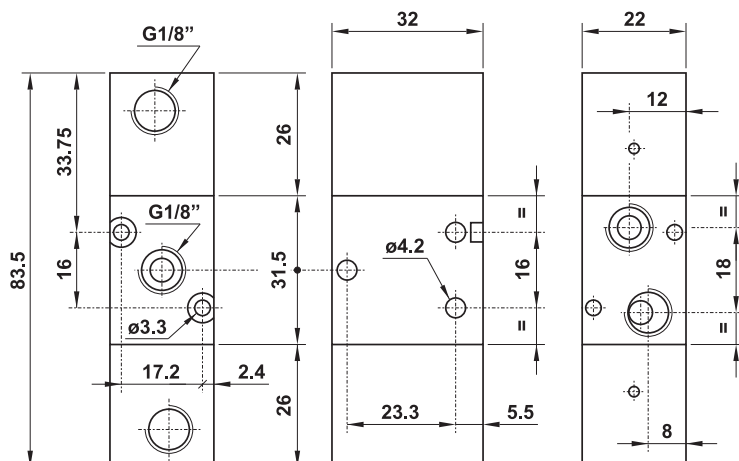
321 CC

3/2 1/8" doppio comando pneumatico

3/2 1/8" double pneumatic pilot



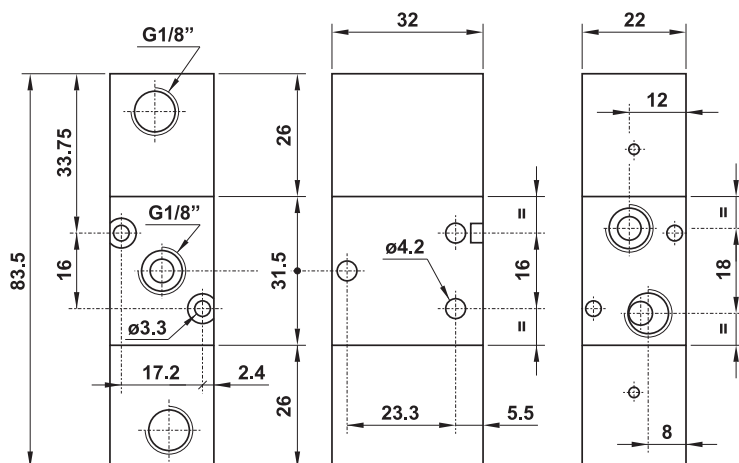
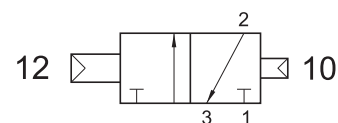
Può essere utilizzata con vuoto.
It can be used with vacuum.



321 CCD

3/2 1/8" doppio comando pneumatico - con differenziale

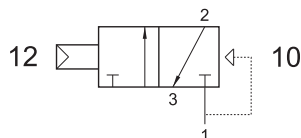
3/2 1/8" double pneumatic pilot - with differential



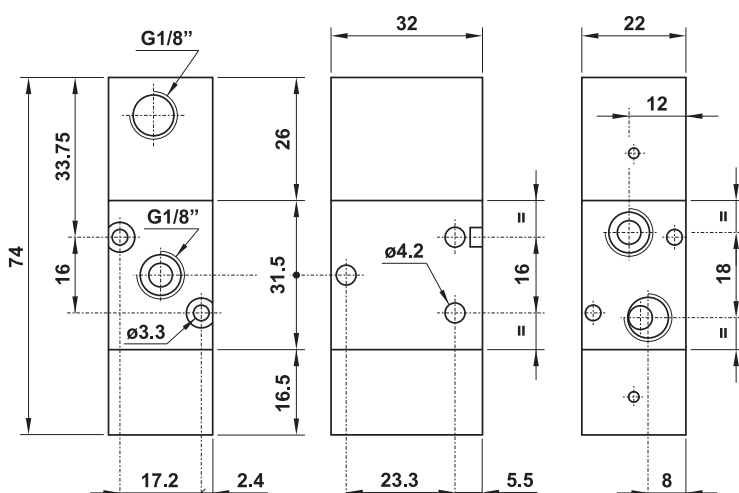
321 CFP

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

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



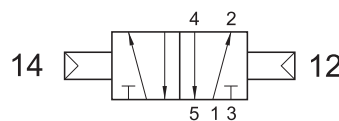
Non può essere utilizzata come
valvola normalmente aperta.
*It cannot be used as normally open
valve.*



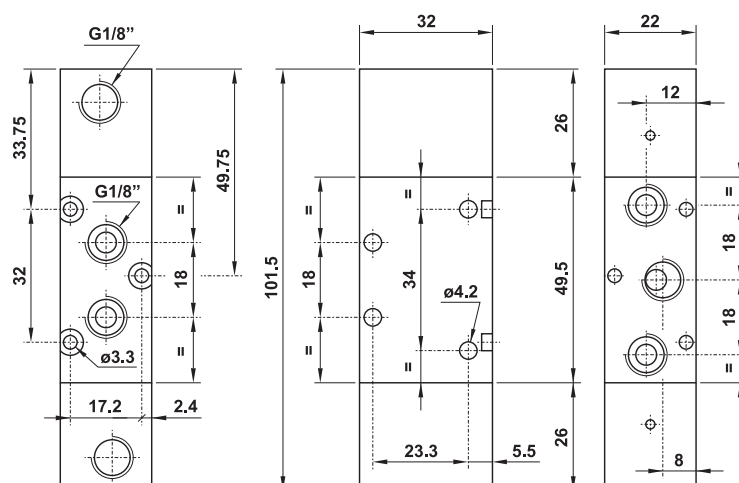
521 CC

5/2 1/8" doppio comando pneumatico

5/2 1/8" double pneumatic pilot



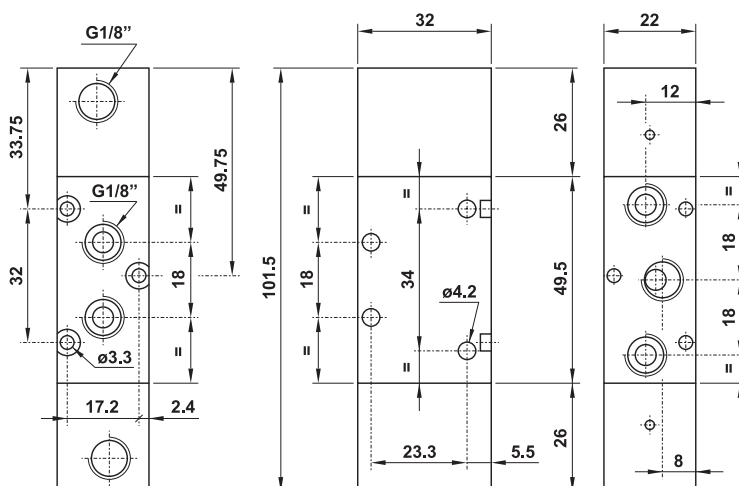
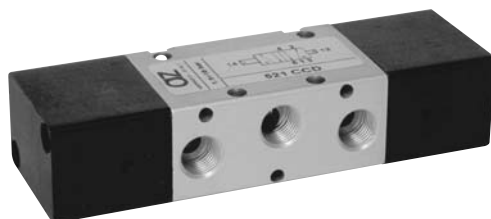
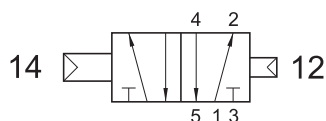
Può essere utilizzata con vuoto.
It can be used with vacuum.



521 CCD

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

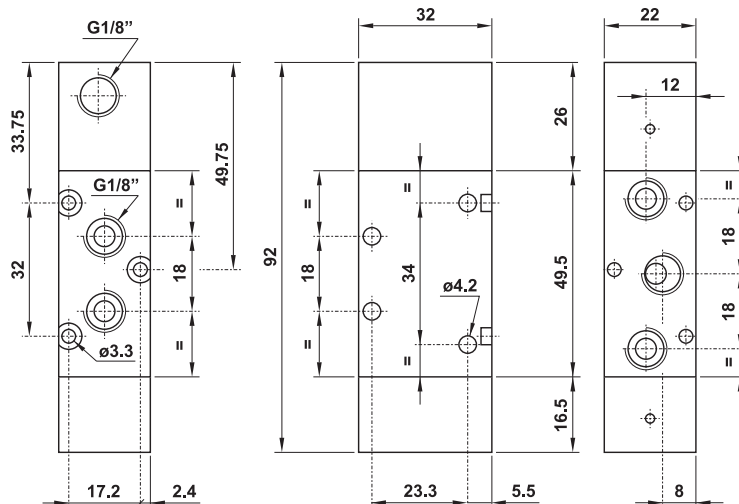
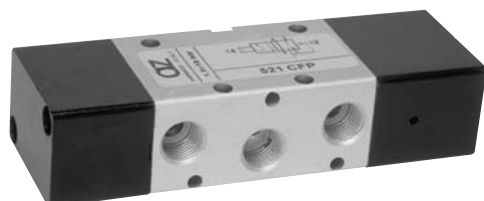
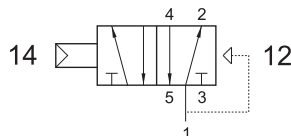
5/2 1/8" double pneumatic pilot - with differential



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



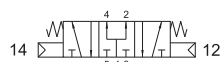
5213A CC

centri aperti
open centres



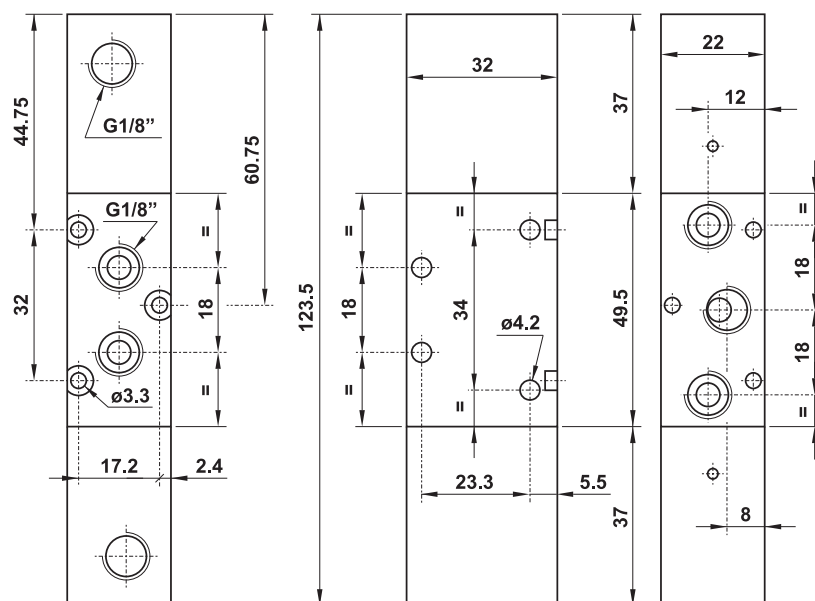
5213P CC

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



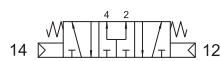
5223A CC

centri aperti
open centres



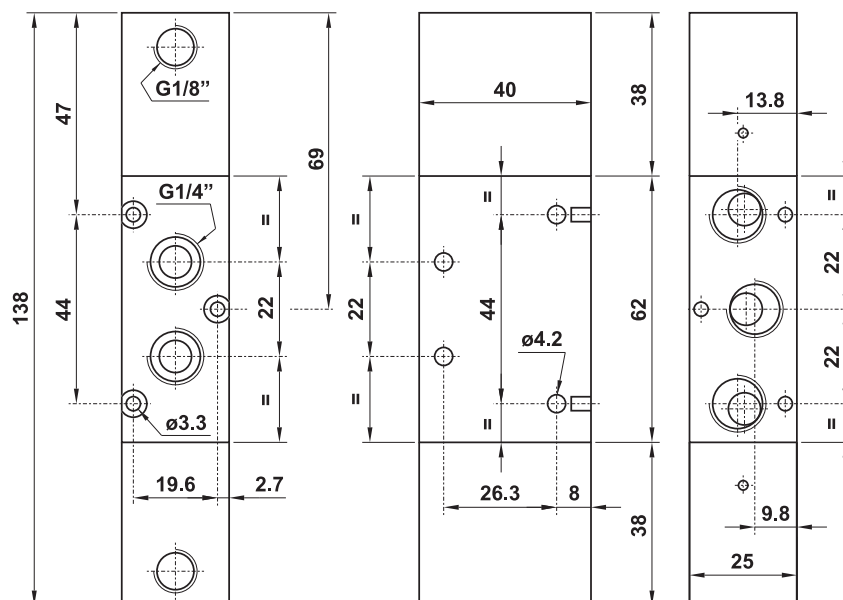
5223P CC

centri in pressione
pressurized centres



5/3 1/4" doppio comando pneumatico

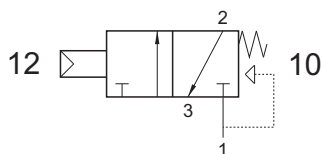
5/3 1/4" double pneumatic pilot



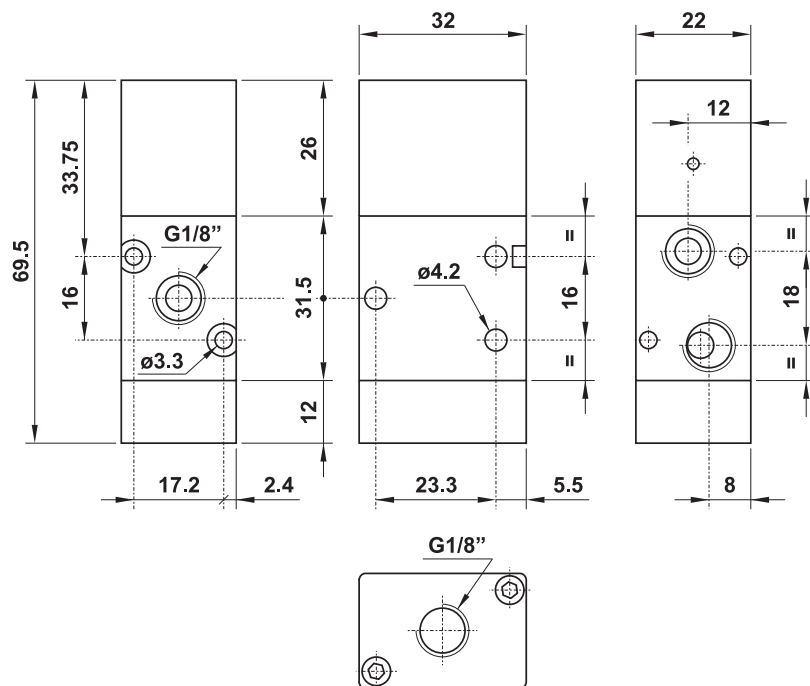
321 MC SUP

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

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



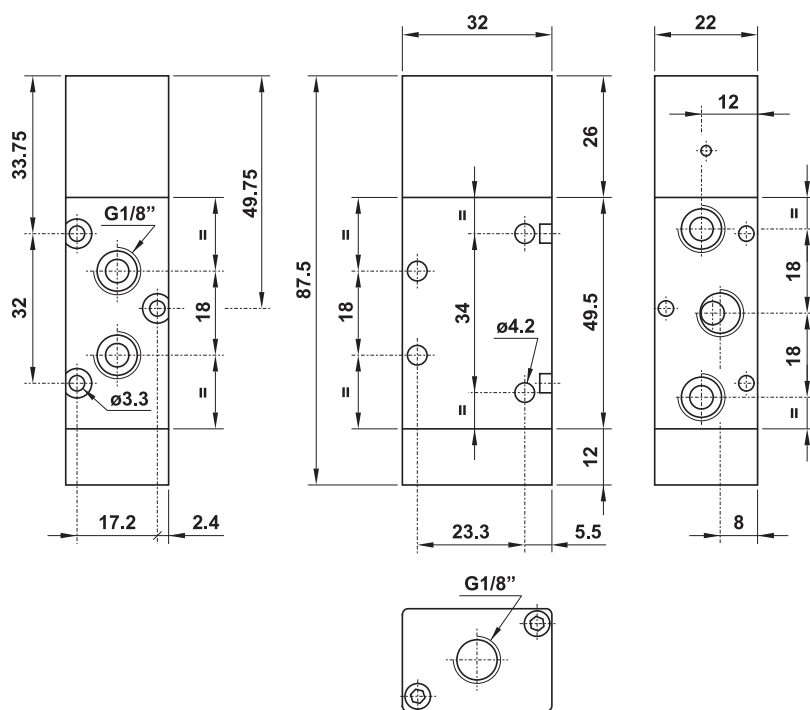
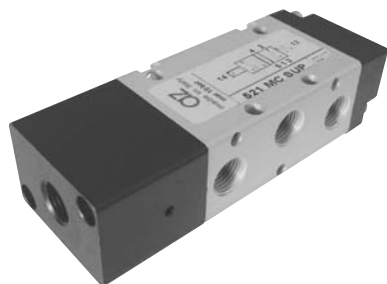
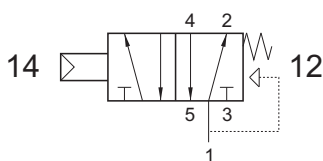
Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.



521 MC SUP

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

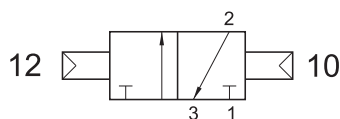
5/2 1/8" pneumatic pilot on the top - spring return



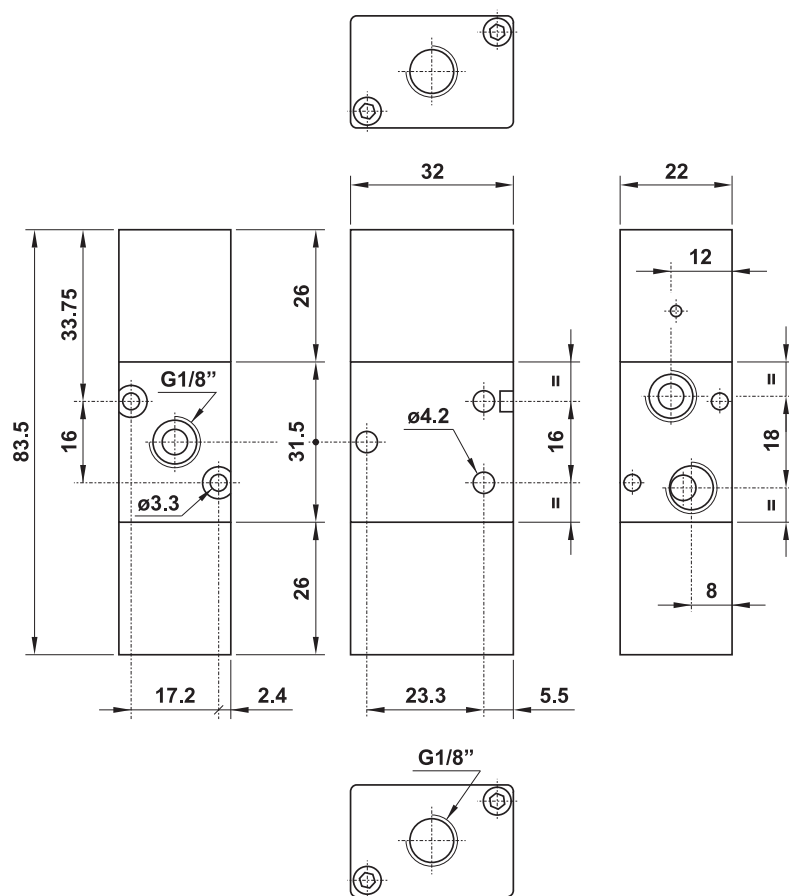
321 CC SUP

3/2 1/8" doppio comando pneumatico attacco superiore

3/2 1/8" double pneumatic pilot on the top



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



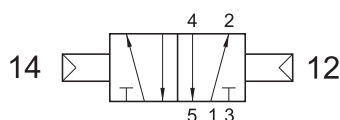
SOLO VERSIONE IN ALLUMINIO

ONLY ALUMINIUM VERSION

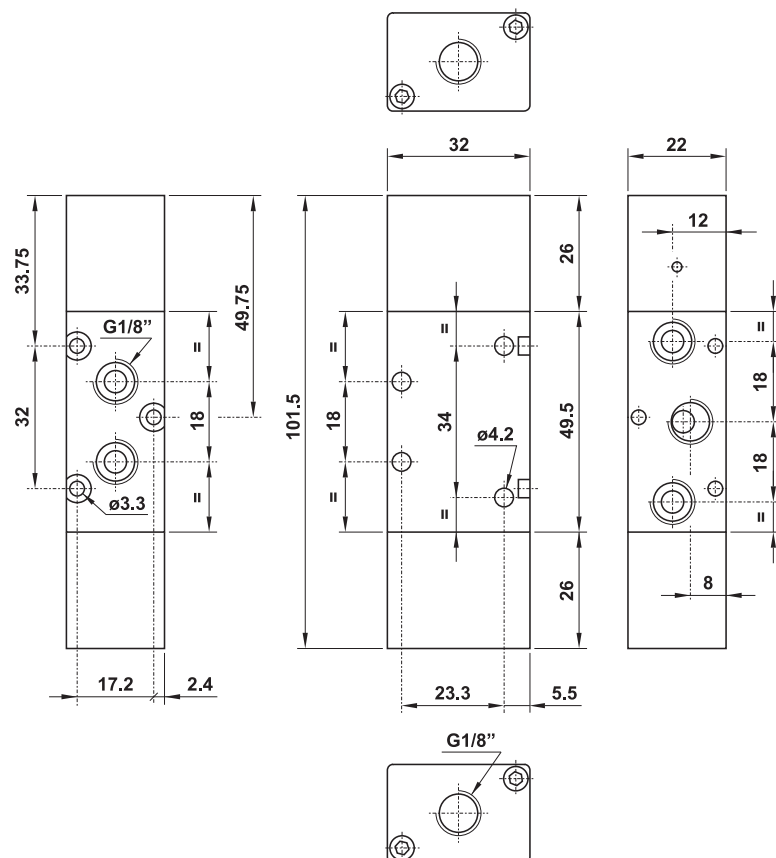
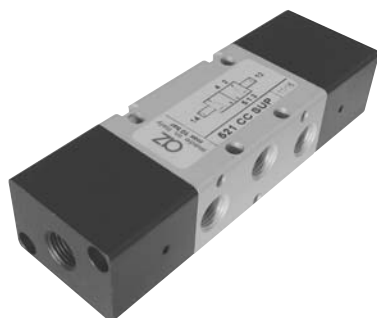
521 CC SUP

5/2 1/8" doppio comando pneumatico attacco superiore

5/2 1/8" double pneumatic pilot on the top



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



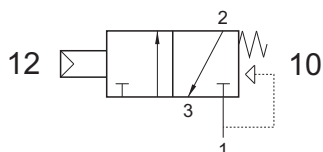
SOLO VERSIONE IN ALLUMINIO

ONLY ALUMINIUM VERSION

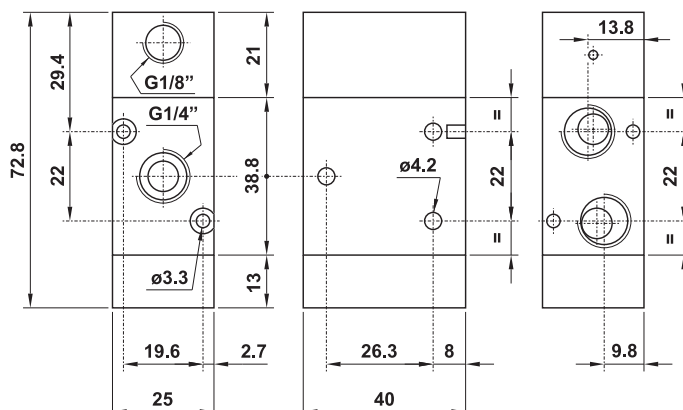
322 MC

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

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



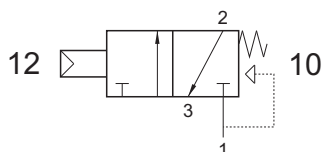
Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.



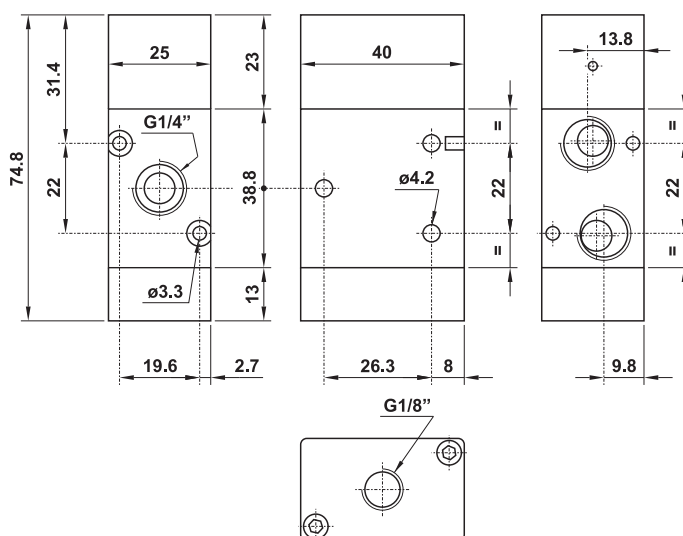
322 MC SUP

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

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



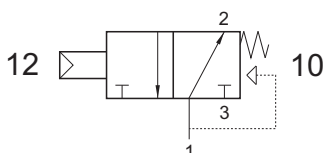
Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.



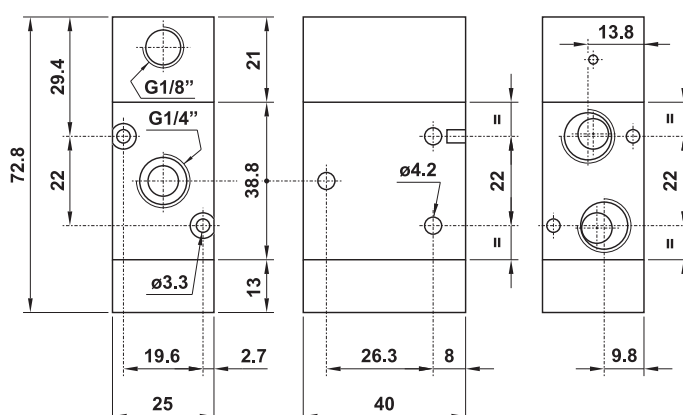
322 MCA

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

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



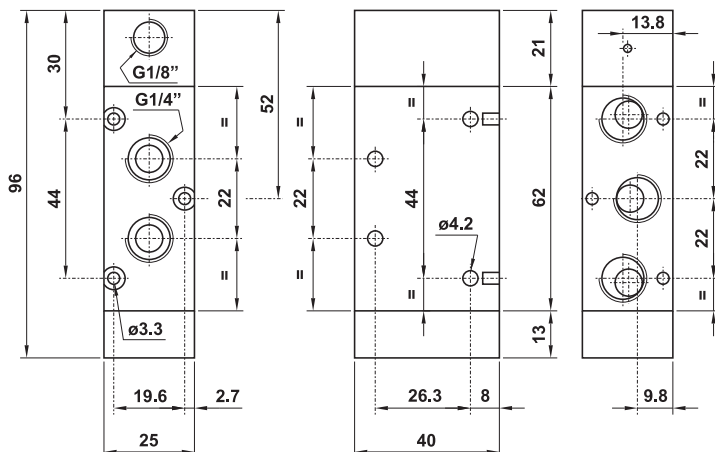
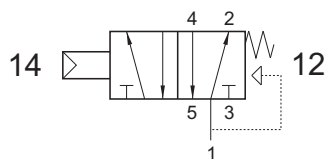
Non può essere utilizzata come valvola normalmente chiusa.
It cannot be used as normally closed valve.



522 MC

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

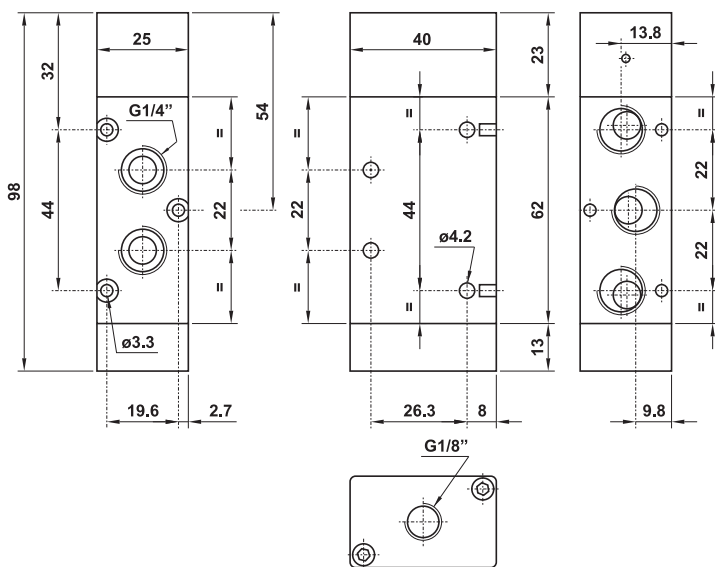
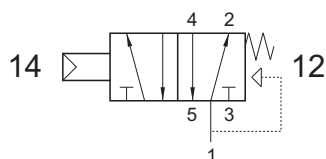
5/2 1/4" pneumatic pilot - spring return



522 MC SUP

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

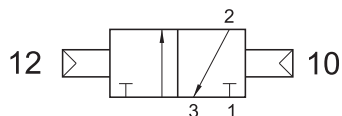
5/2 1/4" pneumatic pilot on the top - spring return



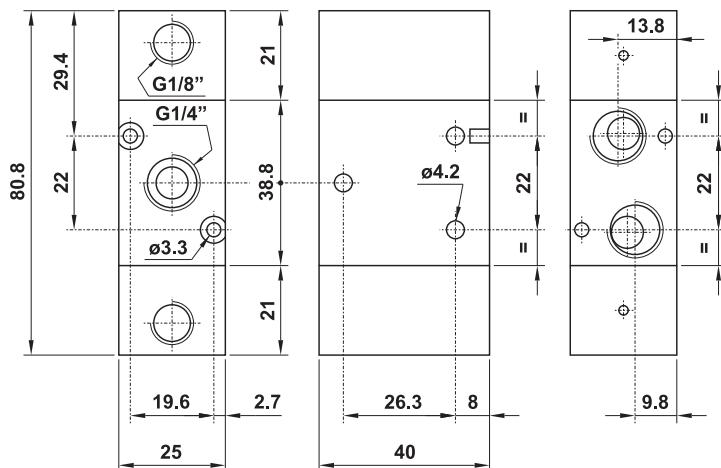
322 CC

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

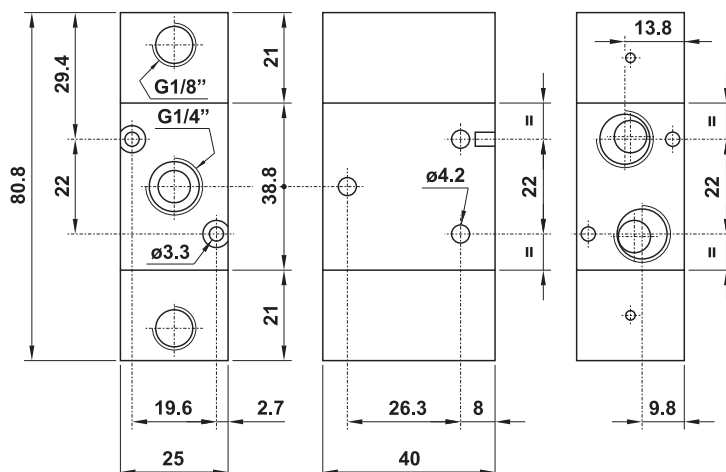
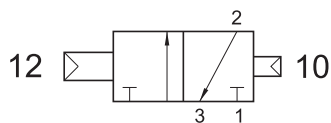
pneumatically piloted valves



322 CCD

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

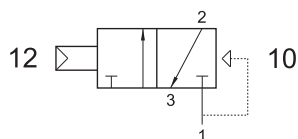
3/2 1/4" double pneumatic pilot - with differential



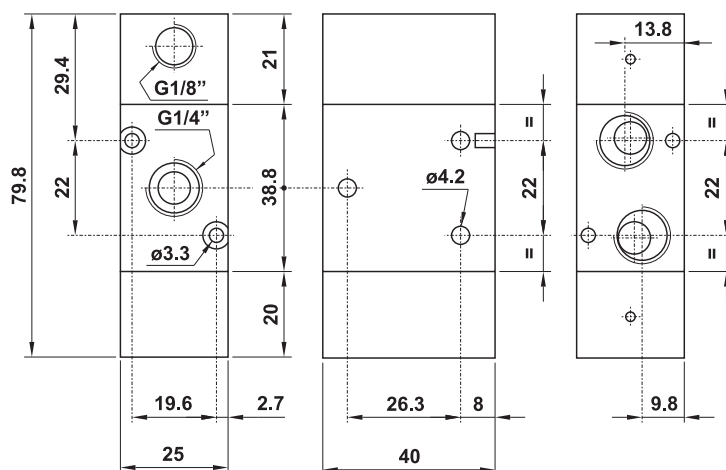
322 CFP

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

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



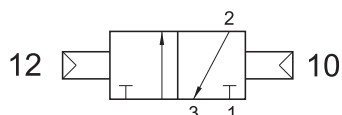
Non può essere utilizzata come valvola normalmente aperta.
It cannot be used as normally open valve.



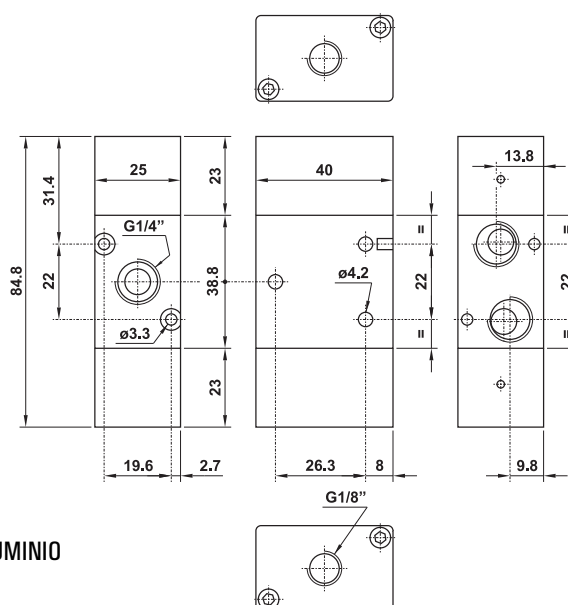
322 CC SUP

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

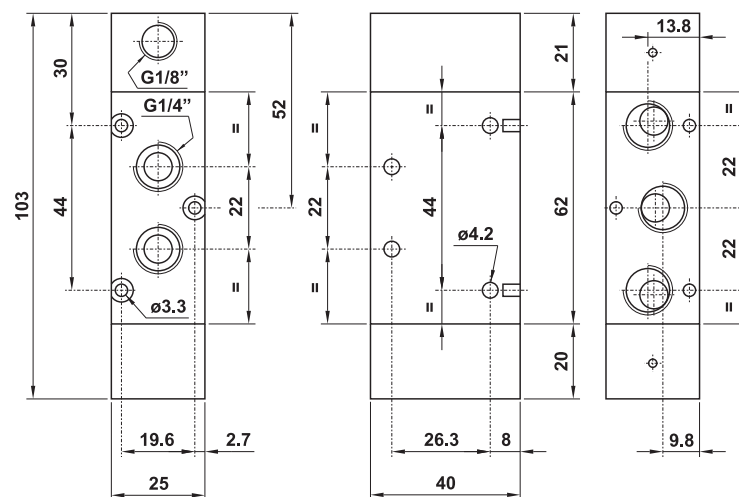
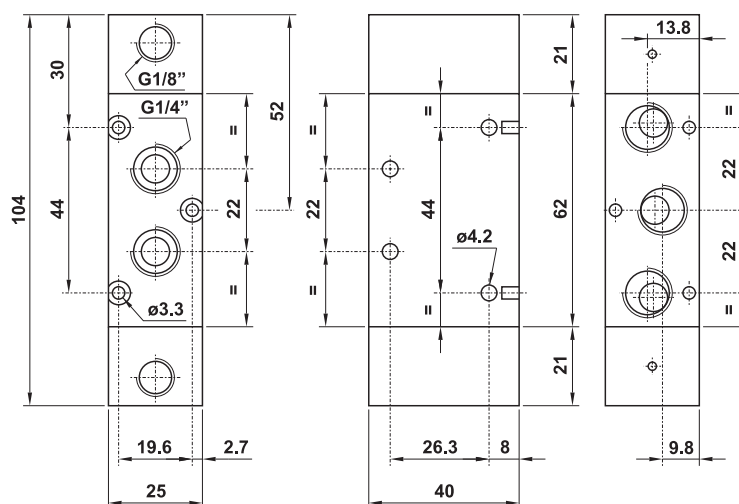
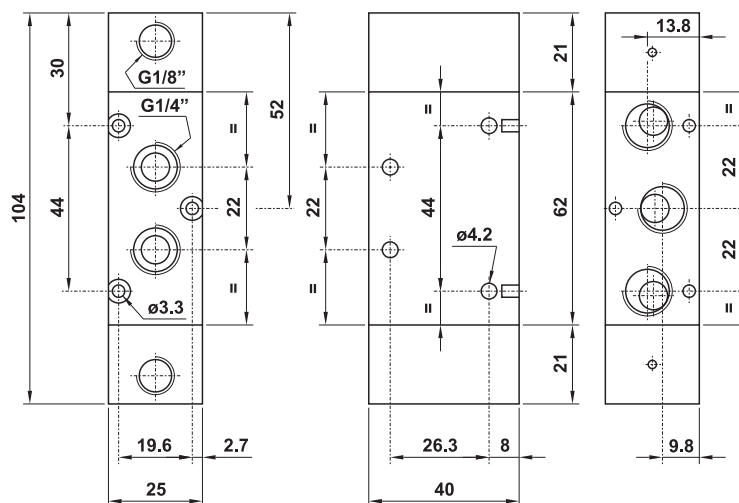
3/2 1/4" double pneumatic pilot on the top



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



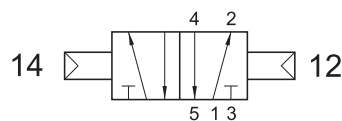
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



522 CC SUP

5/2 1/4" doppio comando pneumatico attacco superiore

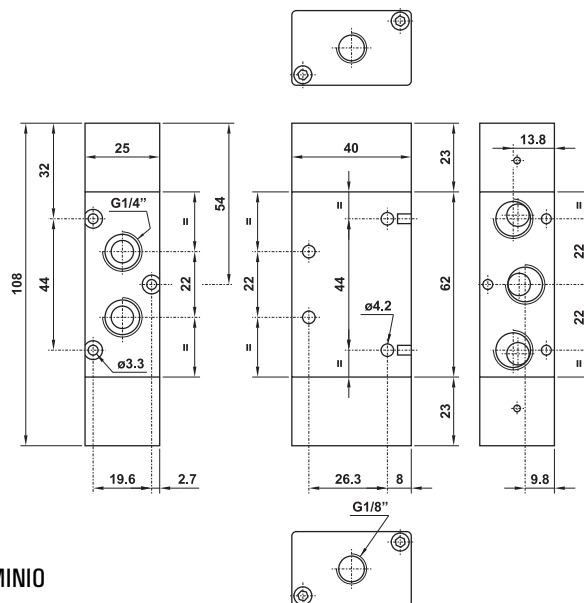
5/2 1/4" double pneumatic pilot on the top



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



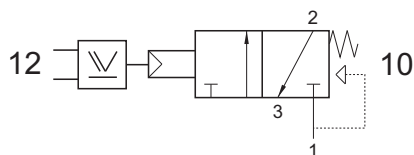
SOLO VERSIONE IN ALLUMINIO
ONLY ALUMINIUM VERSION



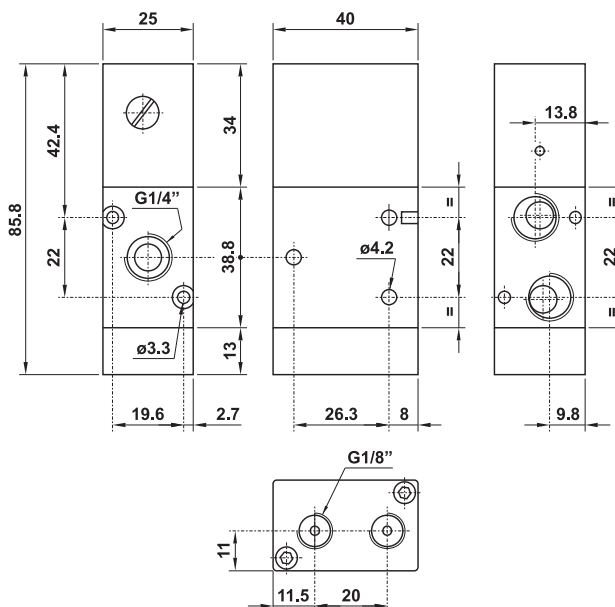
322 ORM

3/2 1/4" NC comando pneum. con elem. OR integrato - ritorno a molla

3/2 1/4" NC pneumatic pilot with integrated OR element - spring return



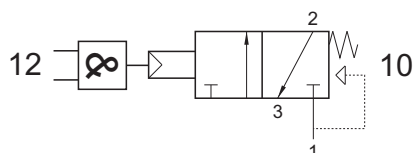
Non può essere utilizzata come
valvola normalmente aperta.
It cannot be used as normally open
valve.



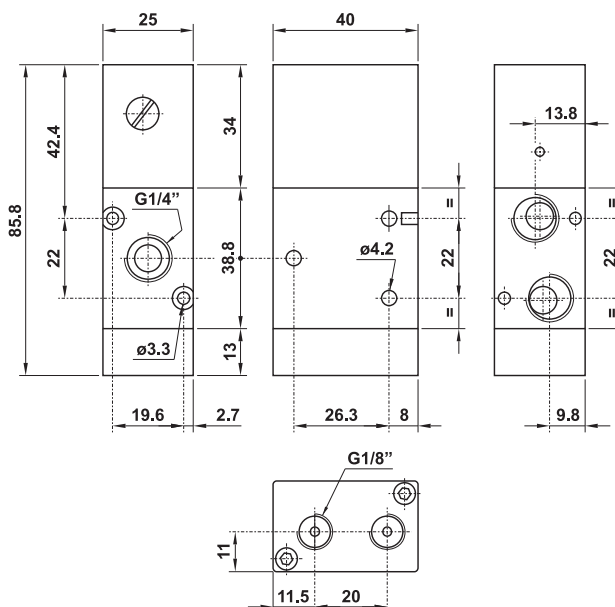
322 ANDM

3/2 1/4" NC comando pneum. con elem. AND integrato - ritorno a molla

3/2 1/4" NC pneumatic pilot with integrated AND element - spring return



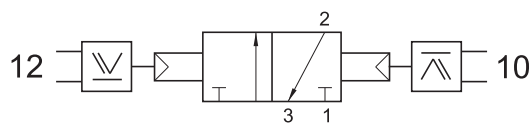
Non può essere utilizzata come
valvola normalmente aperta.
It cannot be used as normally open
valve.



322 2OR

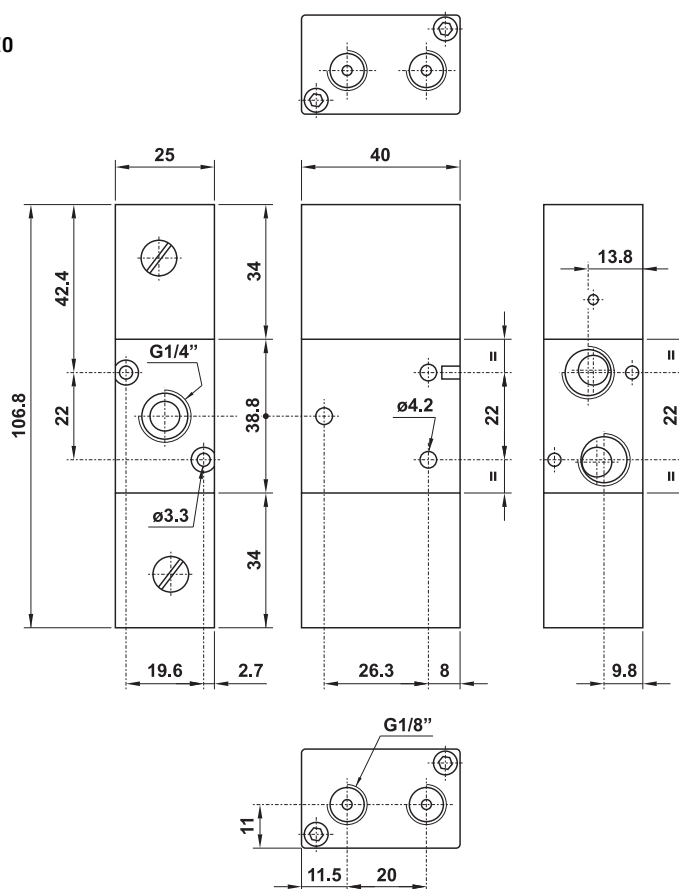
3/2 1/4" doppio comando pneumatico con elemento OR integrato

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



SOLO VERSIONE IN ALLUMINIO

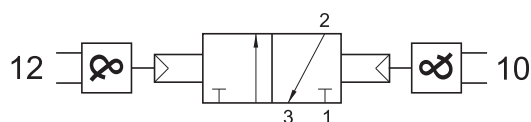
ONLY ALUMINIUM VERSION



322 2AND

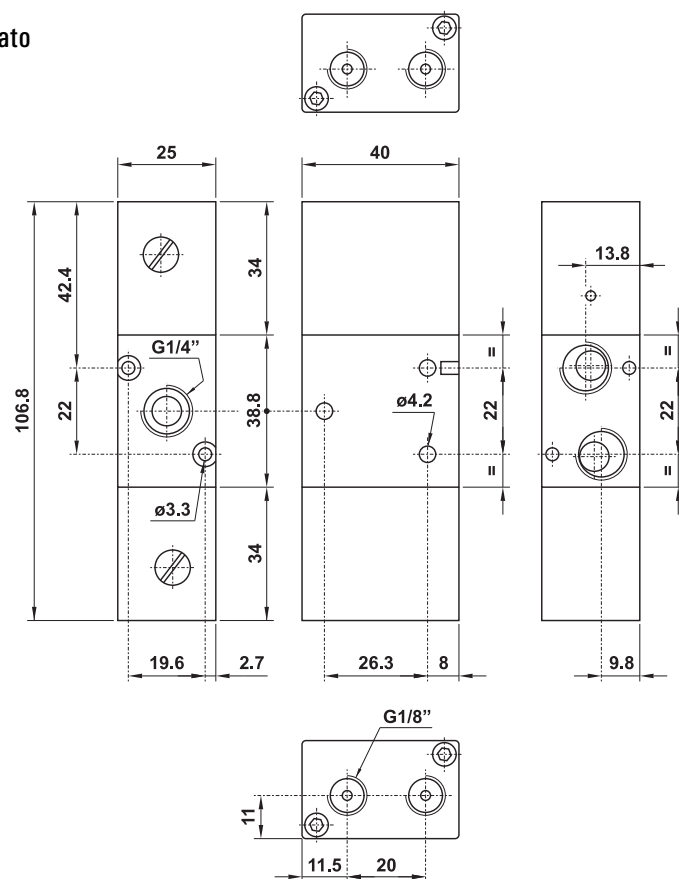
3/2 1/4" doppio comando pneumatico con elemento AND integrato

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



SOLO VERSIONE IN ALLUMINIO

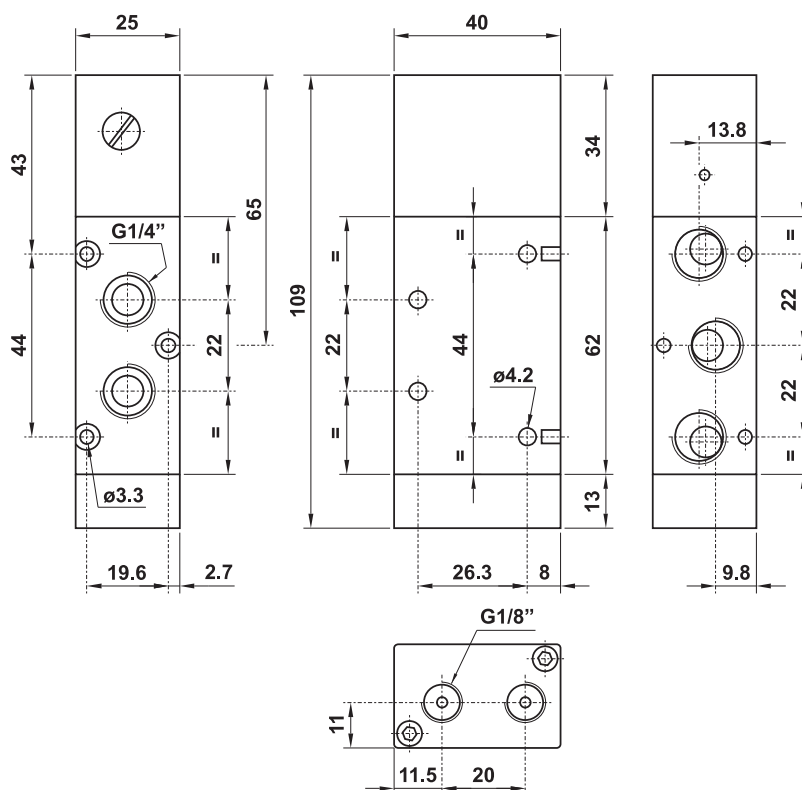
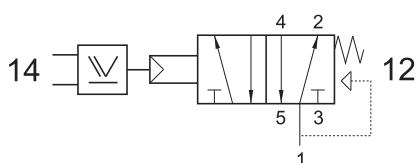
ONLY ALUMINIUM VERSION



522 ORM

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

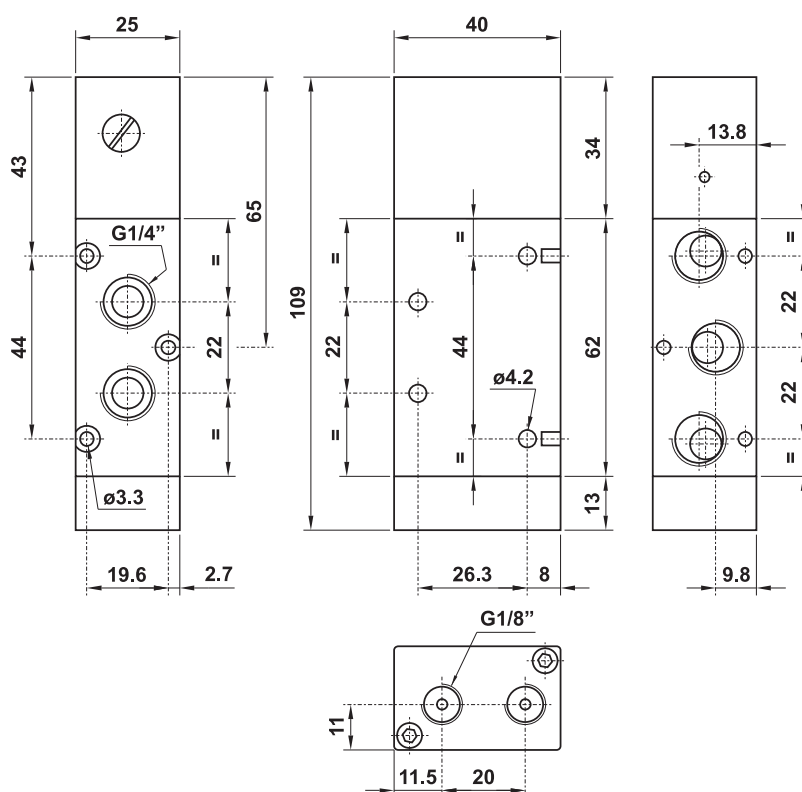
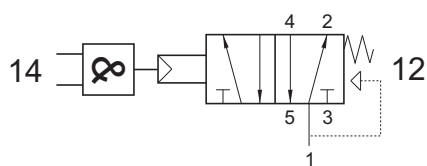
5/2 1/4" pneumatic pilot with integrated OR element - spring return



522 ANDM

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

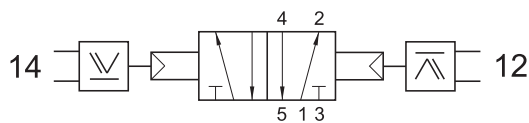
5/2 1/4" pneumatic pilot with integrated AND element - spring return



522 20R

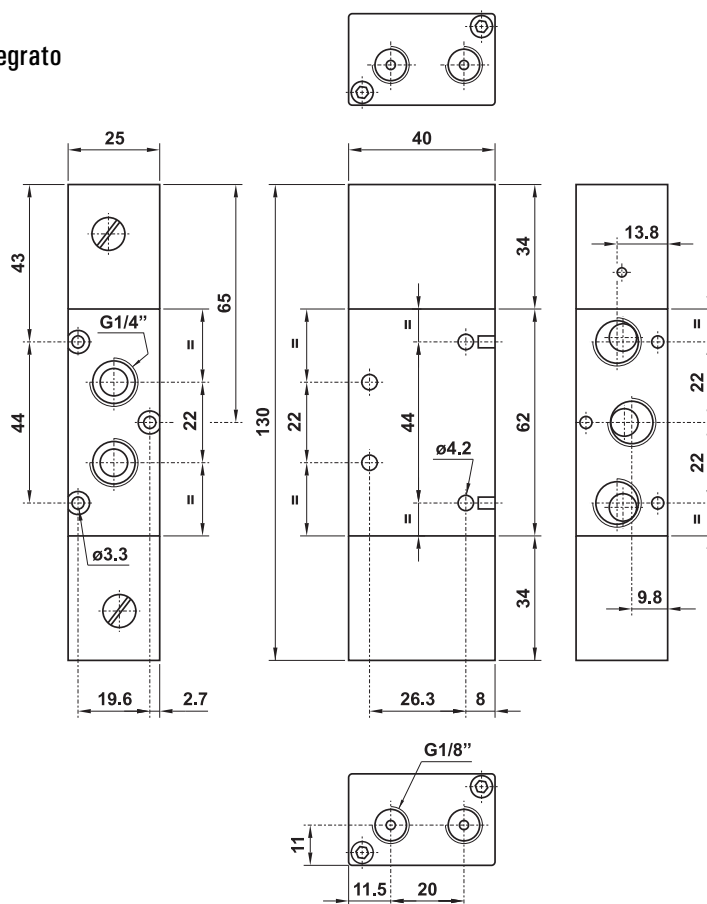
5/2 1/4" doppio comando pneumatico con elemento OR integrato

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



SOLO VERSIONE IN ALLUMINIO

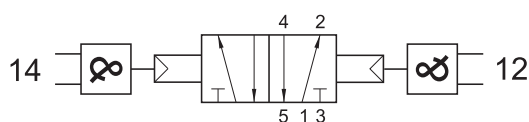
ONLY ALUMINIUM VERSION



522 2AND

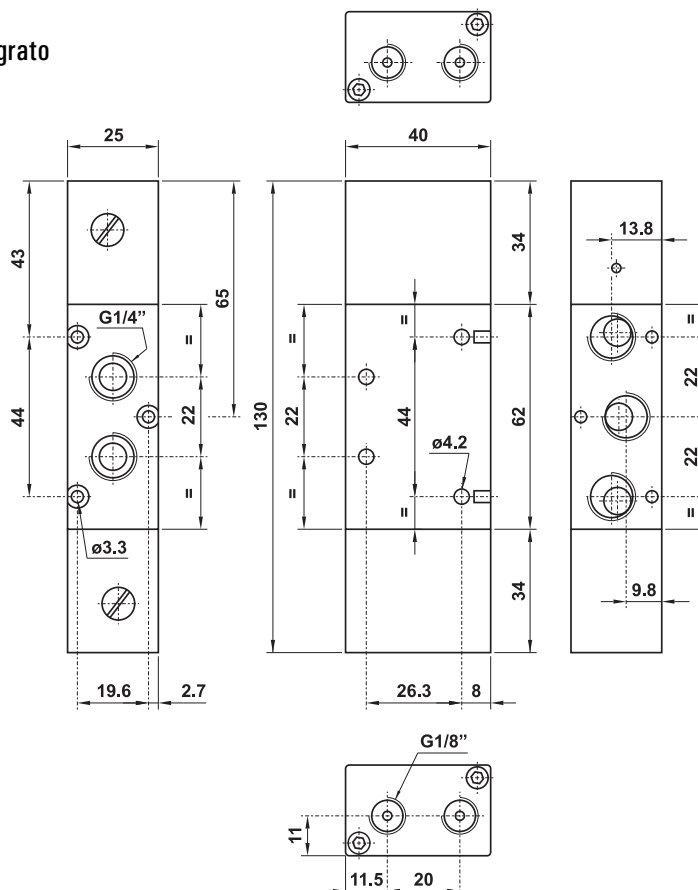
5/2 1/4" doppio comando pneumatico con elemento AND integrato

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



SOLO VERSIONE IN ALLUMINIO

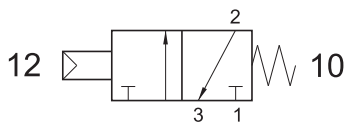
ONLY ALUMINIUM VERSION



321 MRC

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

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



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

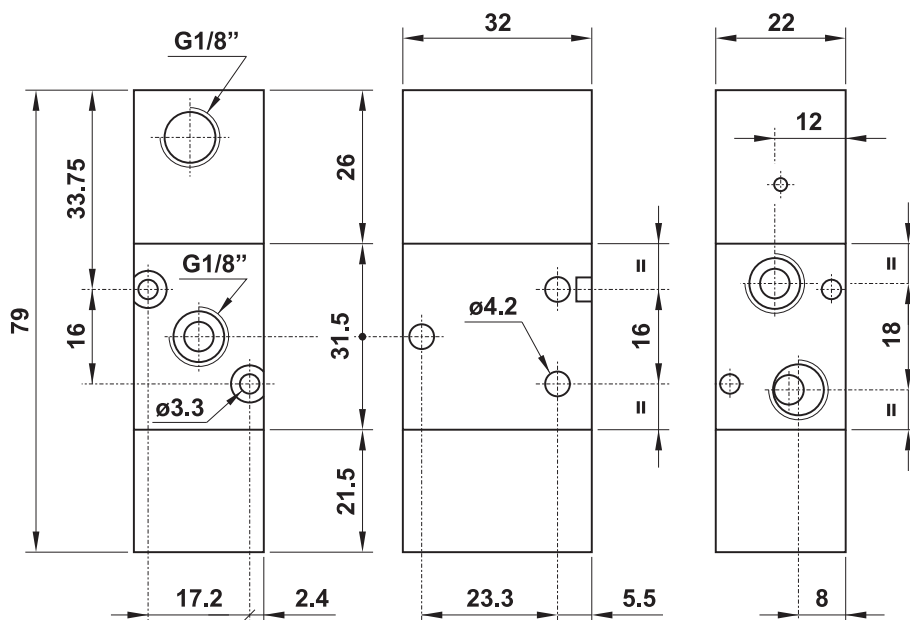
Attention: the bottom end cap for reinforced spring return is longer than the end cap for normal spring return.

Pressione di esercizio: -0.9 ... 10 bar

Working pressure: -0.9 ... 10 bar

Pressione di azionamento: 2.5 ... 10 bar

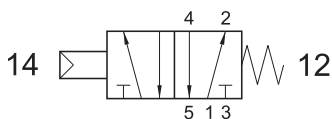
Actuating pressure: 2.5 ... 10 bar



521 MRC

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

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



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

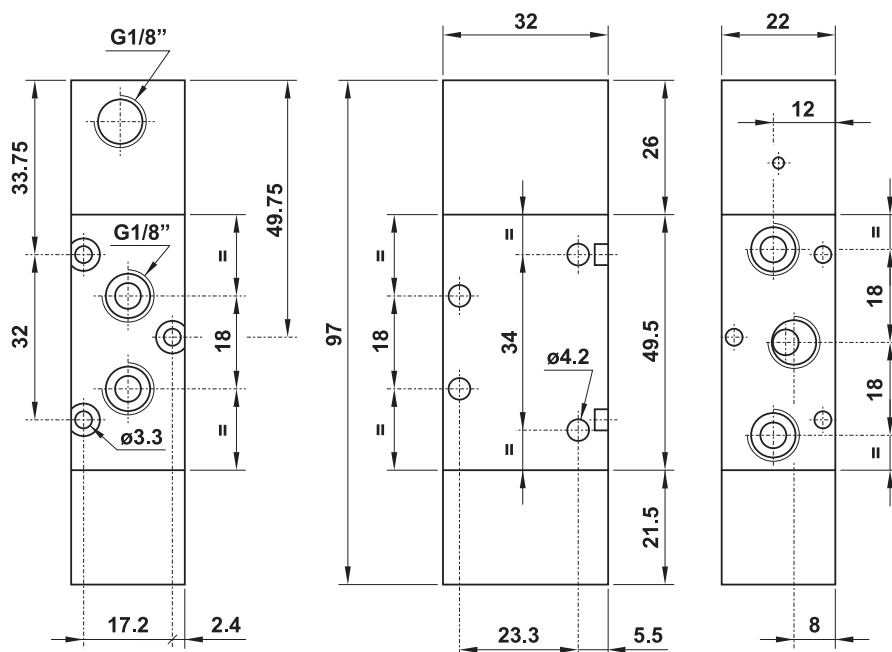
Attention: the bottom end cap for reinforced spring return is longer than the end cap for normal spring return.

Pressione di esercizio: -0.9 ... 10 bar

Working pressure: -0.9 ... 10 bar

Pressione di azionamento: 2.5 ... 10 bar

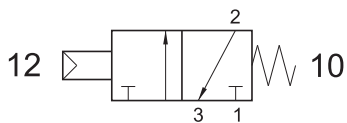
Actuating pressure: 2.5 ... 10 bar



322 MRC

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

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



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

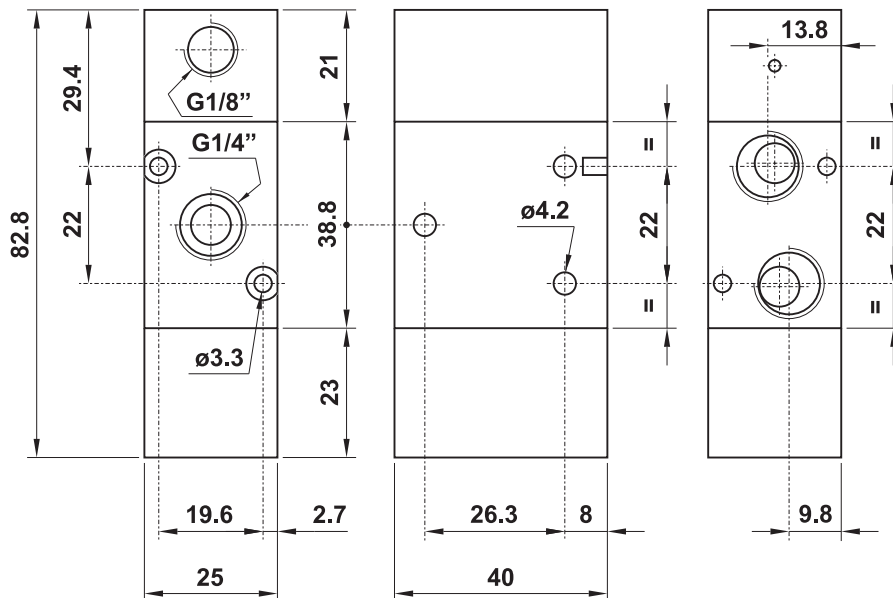
Attention: the bottom end cap for reinforced spring return is longer than the end cap for normal spring return.

Pressione di esercizio: -0.9 ... 10 bar

Working pressure: -0.9 ... 10 bar

Pressione di azionamento: 2.5 ... 10 bar

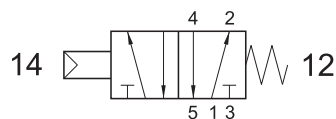
Actuating pressure: 2.5 ... 10 bar



522 MRC

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

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



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

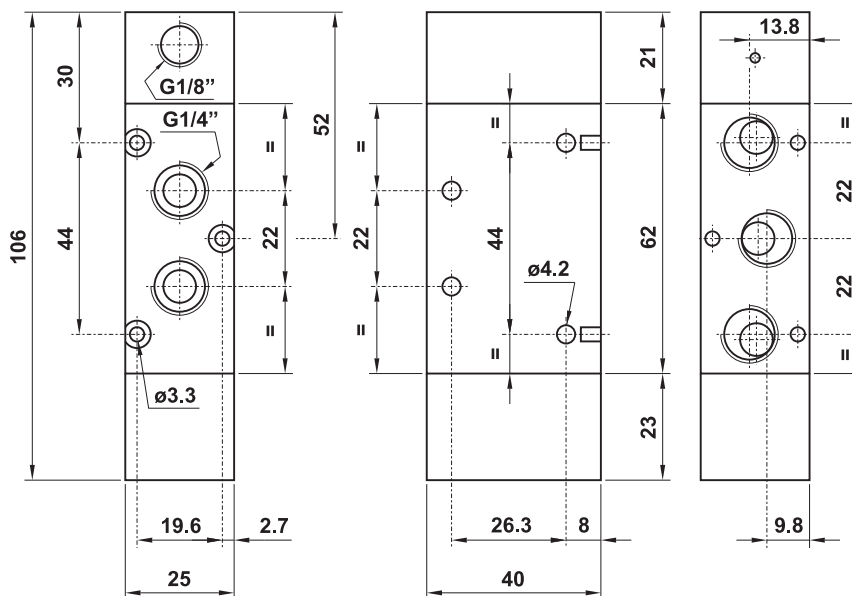
Attention: the bottom end cap for reinforced spring return is longer than the end cap for normal spring return.

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

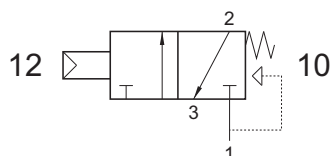
pneumatically piloted valves



321 MCQ

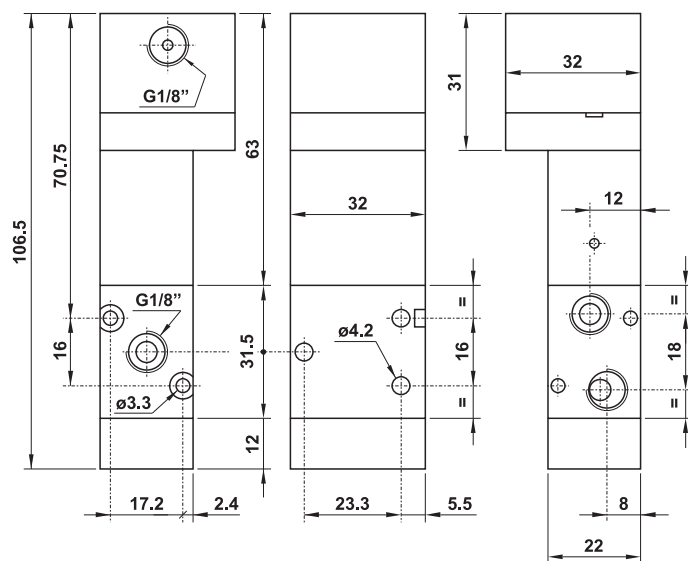
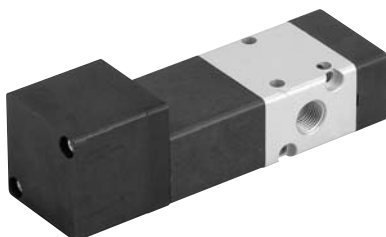
3/2 1/8" NC comando pneumatico 0.3 bar - ritorno a molla

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

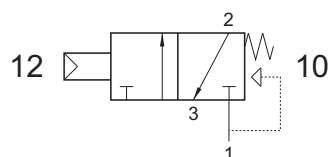
Working pressure: min. 2.5 bar
Actuating pressure: min. 0.3 bar



321 MCS

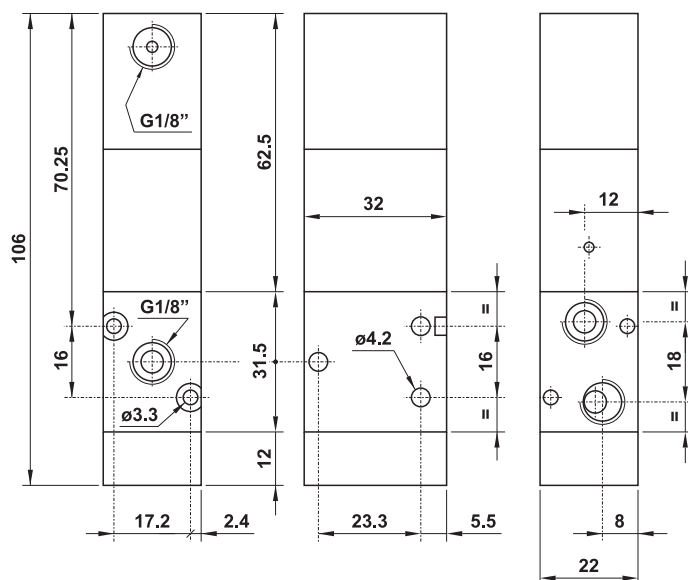
3/2 1/8" NC comando pneumatico 0.6 bar - ritorno a molla

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

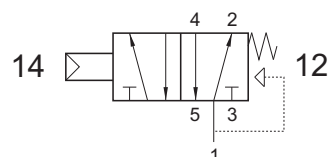
Working pressure: min. 2.5 bar
Actuating pressure: min. 0.6 bar



521 MCQ

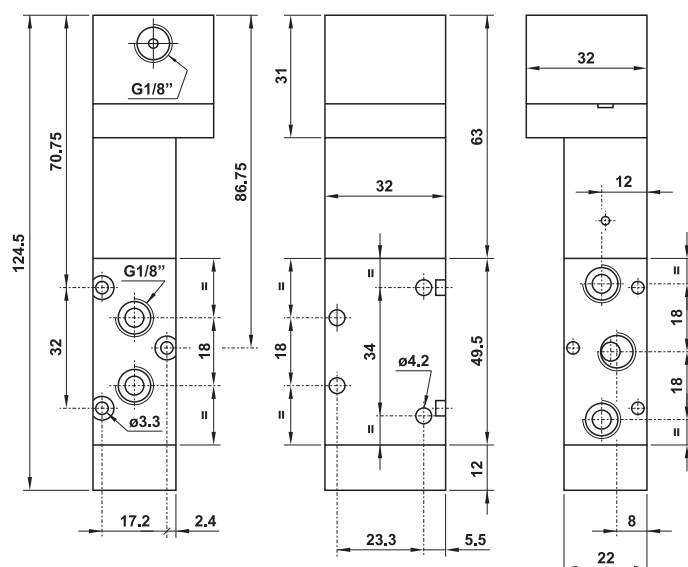
5/2 1/8" comando pneumatico 0.3 bar - ritorno a molla

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

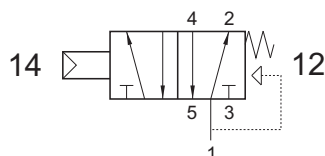
Working pressure: min. 2.5 bar
Actuating pressure: min. 0.3 bar



521 MCS

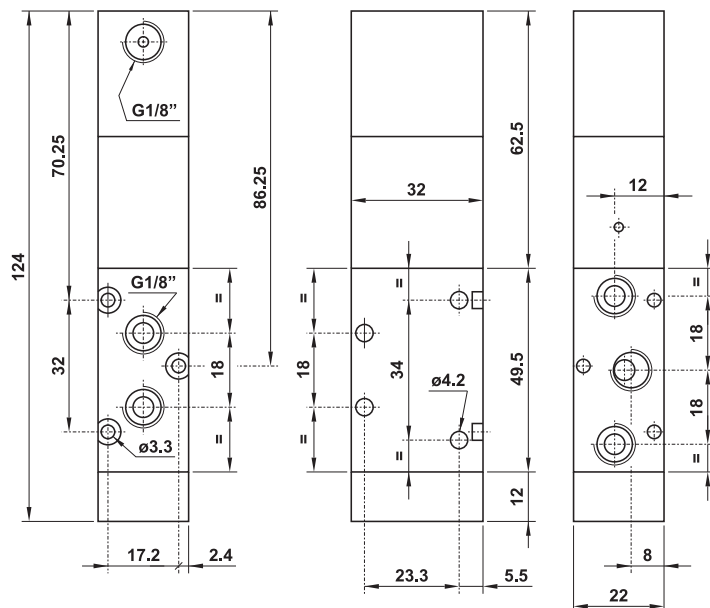
5/2 1/8" comando pneumatico 0.6 bar - ritorno a molla

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

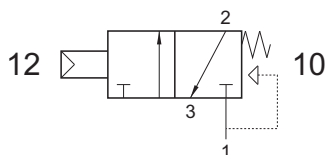
Working pressure: min. 2.5 bar
Actuating pressure: min. 0.6 bar



322 MCS

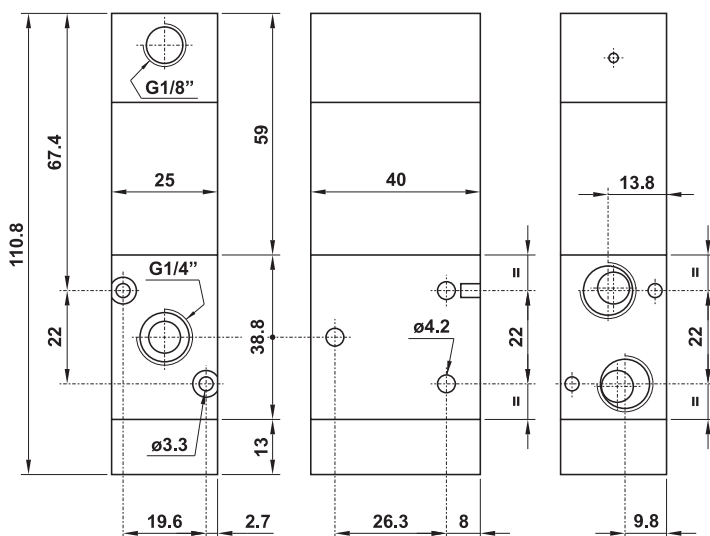
3/2 1/4" NC comando pneumatico 0.6 bar - ritorno a molla

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

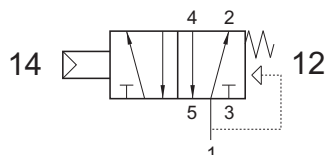
Working pressure: min. 2.5 bar
Actuating pressure: min. 0.6 bar



522 MCS

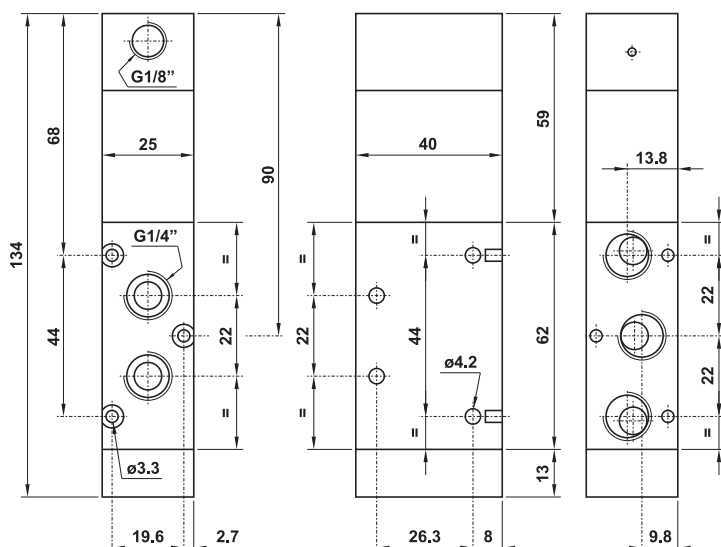
5/2 1/4" comando pneumatico 0.6 bar - ritorno a molla

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

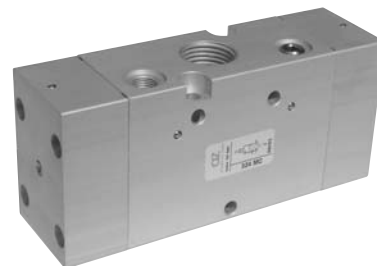
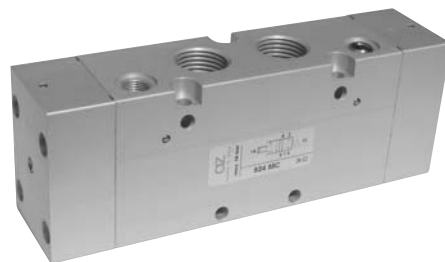


valvole G1/2" azionamento pneumatico

pneumatically piloted 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
- Azionamento pneumatico monostabile o bistabile
Mono-stable or bi-stable pneumatic pilot
- Multifunzionalità e adattabilità
Multifunction feature



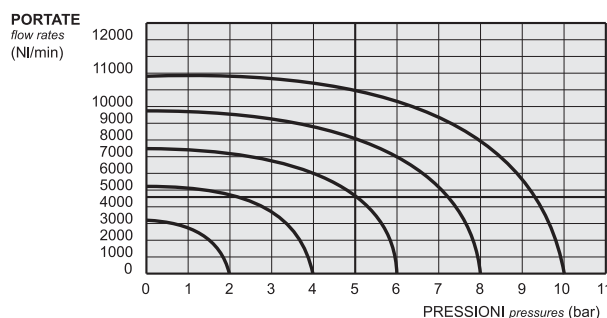
Kit ricambi - spare parts

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

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

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

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



Tempi di risposta - response times

monostabile <i>mono-stable</i>	TRA (14): 24 ms TRR (12): 43 ms
bistabile <i>bi-stable</i>	TRA (14): 30 ms TRR (12): 30 ms

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

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.

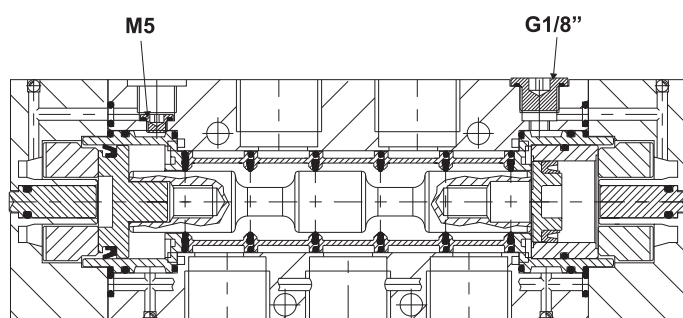
La valvola è fornita nella configurazione richiesta al momento dell'ordine. Eventuali tappi aggiuntivi possono essere ordinati separatamente.

Multifunction feature of the valve

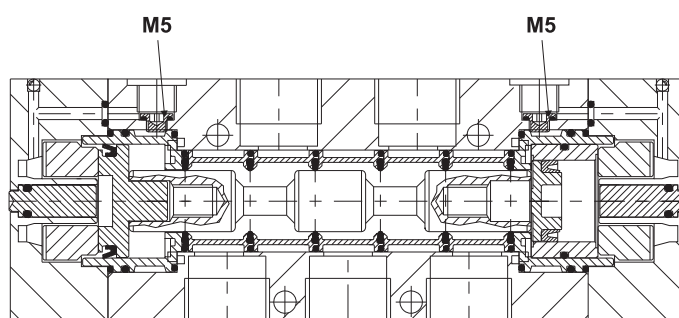
The function of the valve can be changed in any moment. To do this it is enough to change the position of the plugs M5 and G1/8", which are inserted into the body according to the scheme.

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

324 CFP
524 CFP

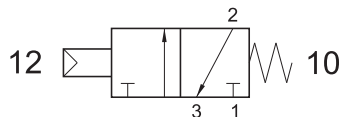


324 CCD
524 CCD



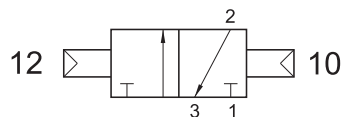
324 MC

3/2 1/2" NC comando pneumatico - ritorno a molla
3/2 1/2" NC pneumatic pilot - spring return



324 CC

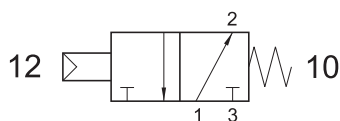
3/2 1/2" doppio comando pneumatico
3/2 1/2" double pneumatic pilot



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

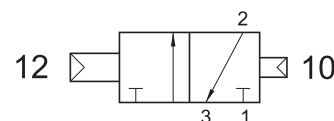
324 MCA

3/2 1/2" NA comando pneumatico - ritorno a molla
3/2 1/2" NO pneumatic pilot - spring return



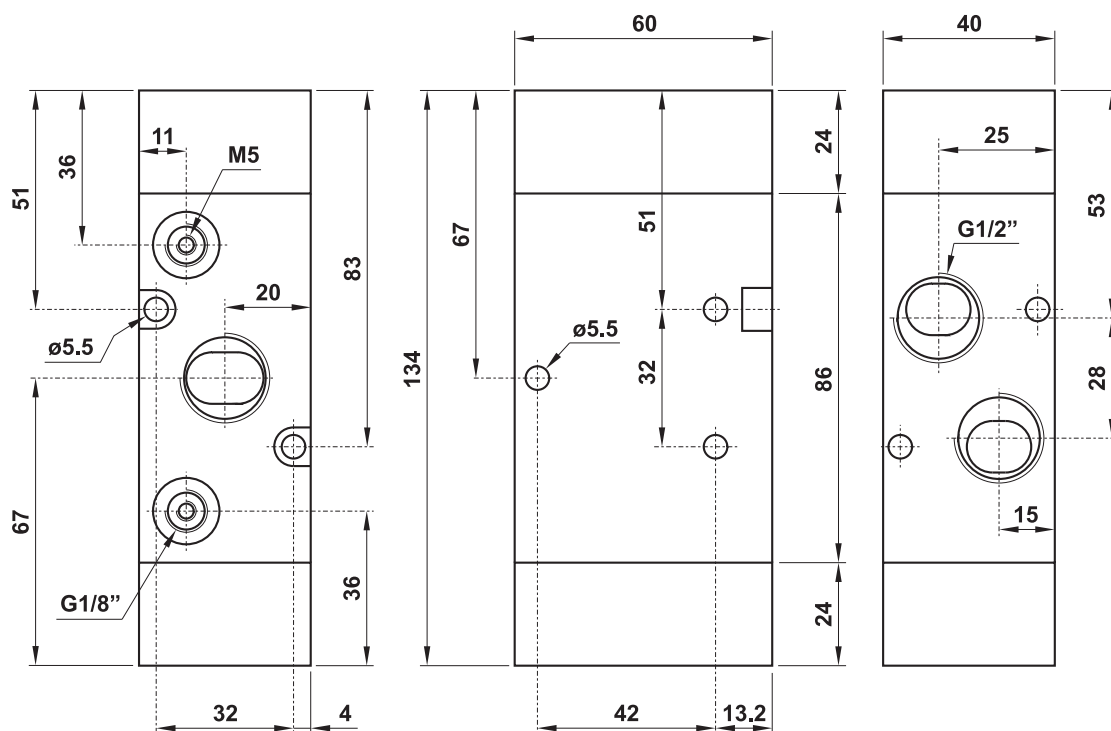
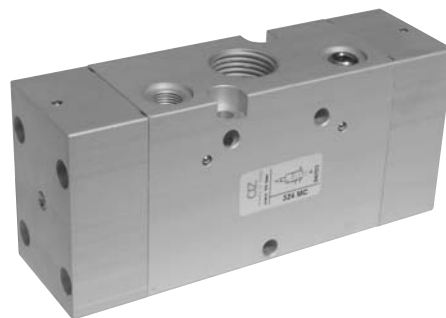
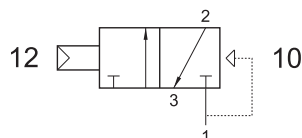
324 CCD

3/2 1/2" doppio comando pneumatico - con differenziale
3/2 1/2" double pneumatic pilot - with differential



324 CFP

3/2 1/2" NC comando pneumatico - ritorno a molla pneumatica
3/2 1/2" NC pneumatic pilot - pneumatic spring return



valvole a spola G3/8"

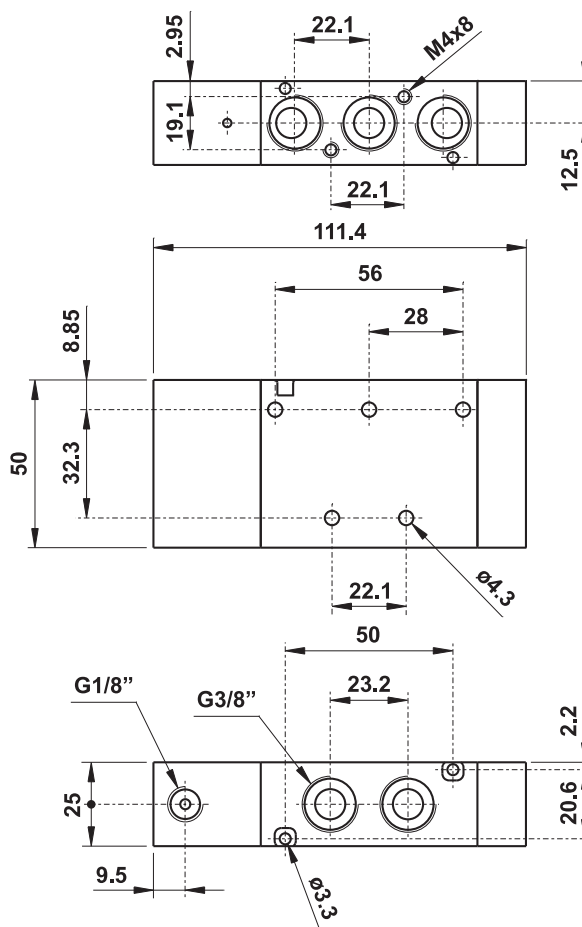
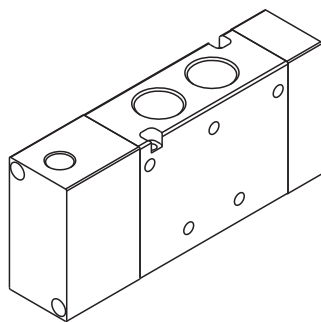
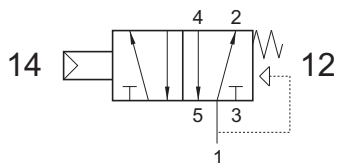
spool valves G3/8"



523 MC

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

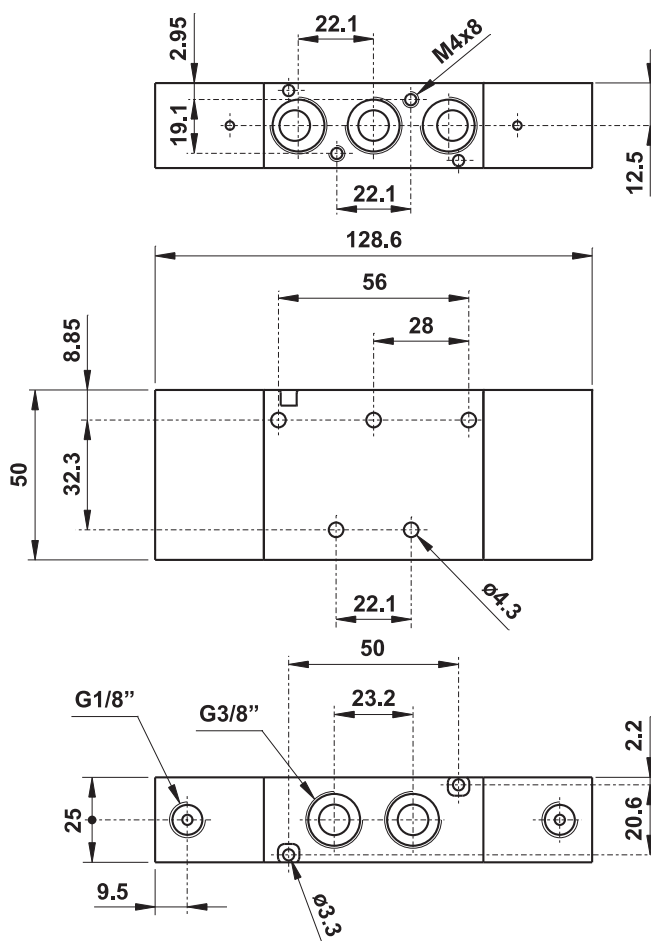
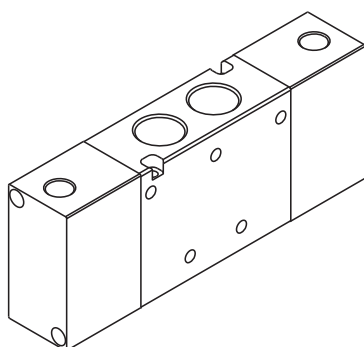
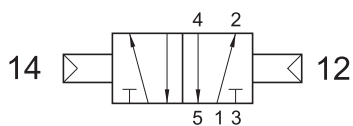
5/2 3/8" pneumatic pilot - spring return



523 CC

5/2 3/8" doppio comando pneumatico

5/2 3/8" double pneumatic pilot



valvole Namur

Namur valves

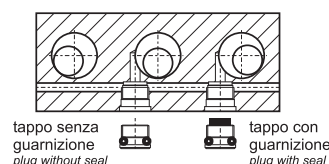
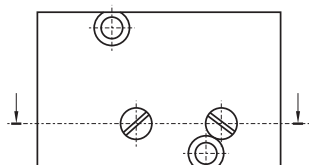
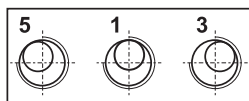
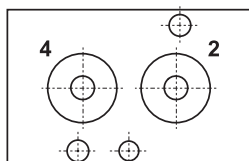


La funzione della valvola può essere variata in qualsiasi momento, secondo lo schema qui riportato, cambiando di posto la guarnizione collocata sotto a uno dei due tappi avvitati nel corpo.

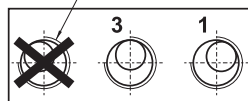
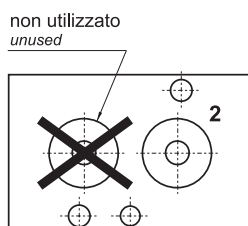
The function of the valve can be changed by repositioning the seal situated under one of the two plugs.



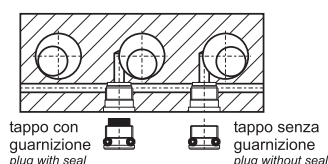
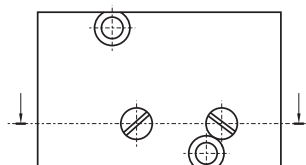
5 VIE - 5 WAYS



3 VIE - 3 WAYS



non utilizzato
unused



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.

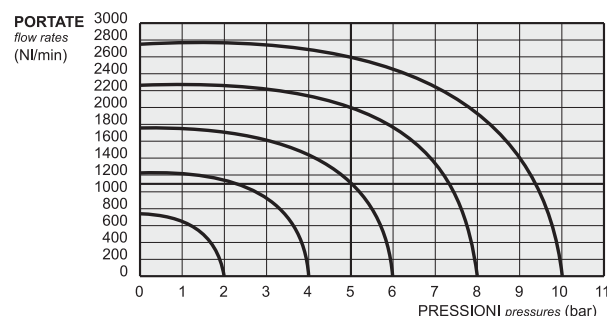
Le parti in tecnopolimero recano impresso il logo

(*) 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

I prodotti di seguito indicati sono venduti senza bobine, da acquistarsi separatamente (vedi pag. 322-323).

The following listed products are sold without coils, which are bought separately (refer to pages 322-323).



Kit ricambi - spare parts

01.065.2 : per valvole [for valves] 382 MC, 382 ME, 582 MC, 582 ME

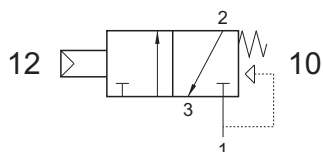
01.066.2 : per valvole [for valves] 382 CC, 382 EE, 582 CC, 582 EE

Diametro nominale Nominal orifice		7.5 mm		
Attacchi Ports		G1/4"		
Temperatura di esercizio Temperature range		max +60°C		
Pressione di esercizio Working pressure	el. monost. [electr. monost.]	el. bistabile [electr. bi-stable]	pn. monost. [pneum. monost.]	pn. bistabile [pneum. bist.]
	2.5 ... 10 bar 0.25 ... 1 MPa	1 ... 10 bar 0.1 ... 1 MPa	0 ... 10 bar 0 ... 1 MPa	0 ... 10 bar 0 ... 1 MPa
Pressione di azionamento Actuating pressure			pn. monost. [pneum. monost.]	pn. bistabile [pneum. bist.]
			2.5 ... 10 bar 0.25 ... 1 MPa	1 ... 10 bar 0.1 ... 1 MPa
Fluido Fluid		Aria filtrata 50μ con o senza lubrificazione 50μ filtered, lubricated or non lubricated air		

382 MC

3/2 NC comando pneumatico - ritorno a molla

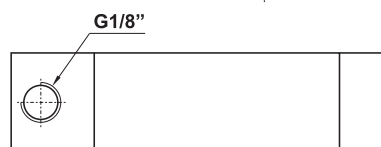
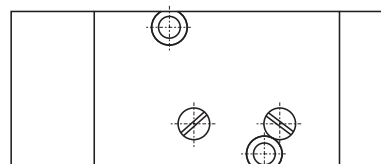
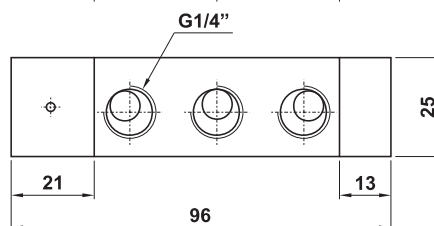
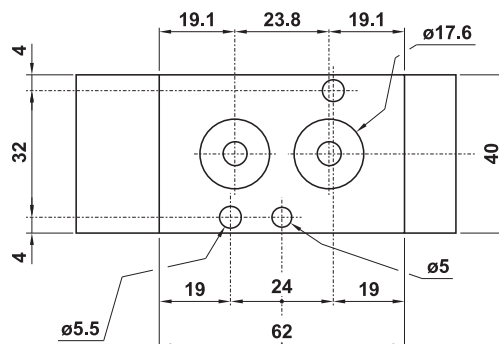
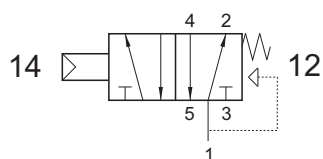
3/2 NC pneumatic pilot - spring return



582 MC

5/2 comando pneumatico - ritorno a molla

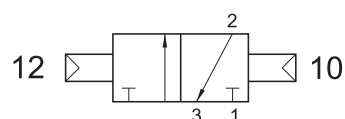
5/2 pneumatic pilot - spring return



382 CC

3/2 doppio comando pneumatico

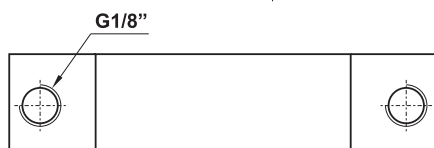
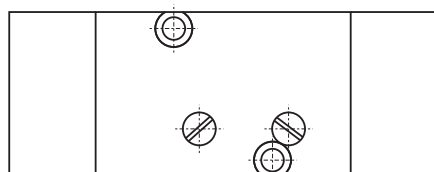
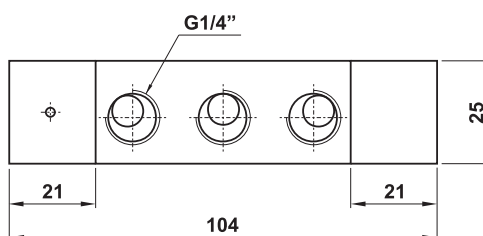
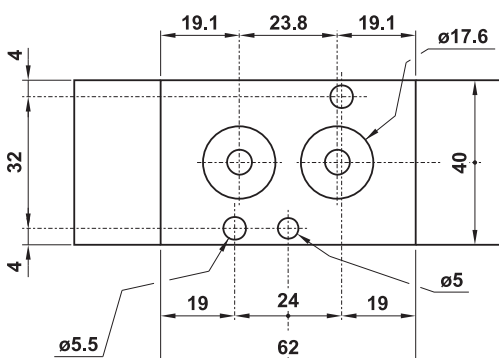
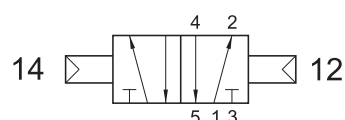
3/2 double pneumatic pilot



582 CC

5/2 doppio comando pneumatico

5/2 double pneumatic pilot

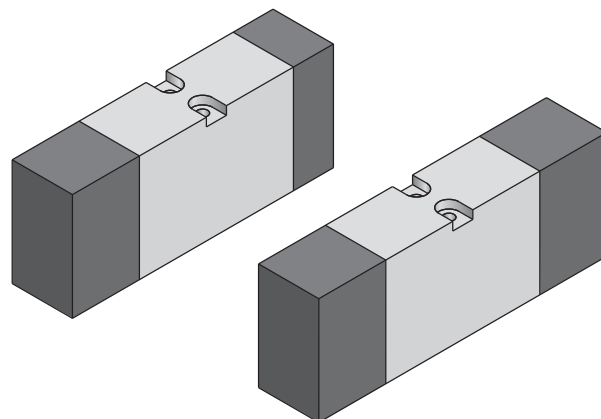


valvole VDMA 18 mm azionamento pneumatico

pneumatically piloted valves - VDMA 18 mm



- Valvole a spola 5/2-5/3
5/2-5/3 spool valves
- A norma VDMA 24563 - taglia 02 (18 mm); ISO 15407-1 taglia 02
Compliant to norm VDMA 24563 - size 02 (18 mm); ISO 15407-1 size 02
- Montaggio su basi modulari o a posti fissi
Installation on multiple sub-bases or manifolds
- Azionamento pneumatico monostabile o bistabile
Mono-stable or bi-stable pneumatic pilot



Tempi di risposta - *response times*

monostabile <i>mono-stable</i>	TRA (14): 12 ms TRR (12): 24 ms
bistabile <i>bi-stable</i>	TRA (14): 21 ms TRR (12): 21 ms

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>	5 mm	
Portata nominale a 6 bar, Δp 1 bar <i>Nominal flow rate at 6 bar, Δp 1 bar</i>	550 NI/min	
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 50 μ con o senza lubrificazione <i>50μ filtered, lubricated or non lubricated air</i>	

valvole VDMA 18 mm azionamento pneumatico

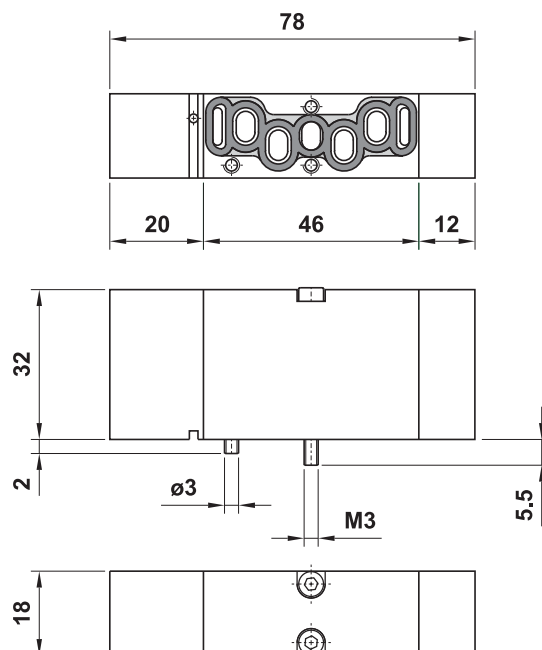
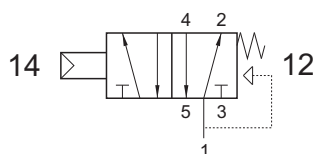
pneumatically piloted valves - VDMA 18 mm



851 MC

5/2 comando pneumatico - ritorno a molla

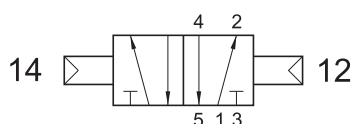
5/2 pneumatic pilot - spring return



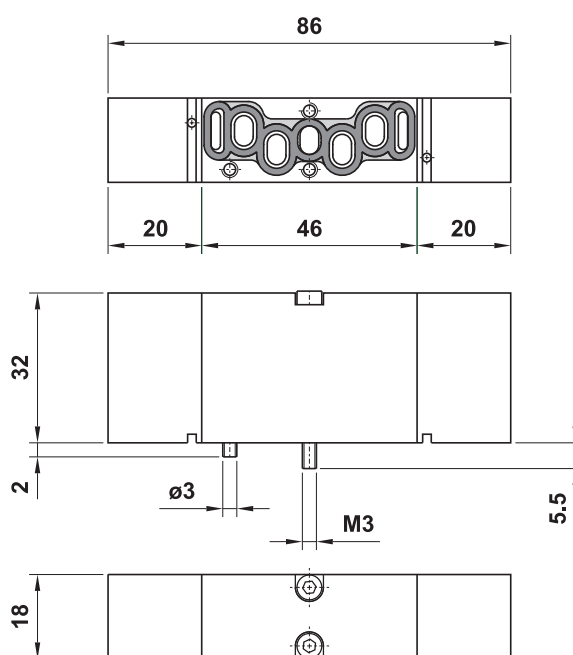
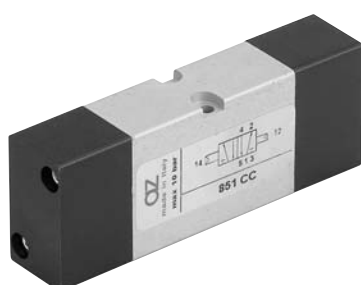
851 CC

5/2 doppio comando pneumatico

5/2 double pneumatic pilot



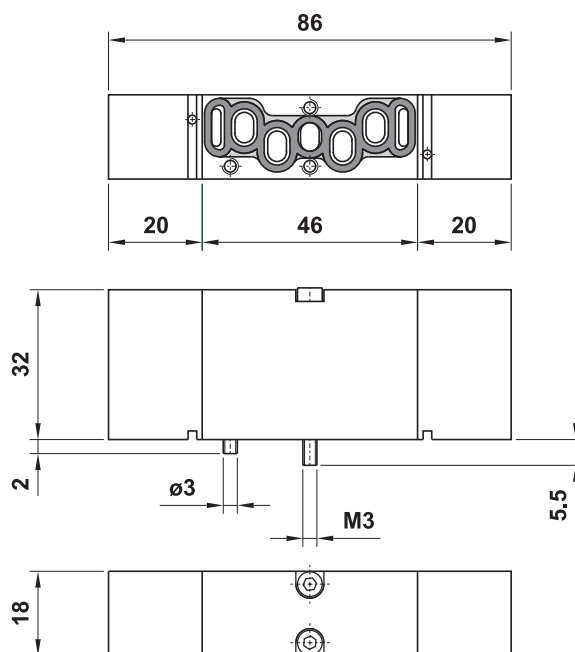
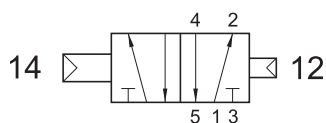
Può essere utilizzata con vuoto.
It can be used with vacuum.



851 CCD

5/2 doppio comando pneumatico - con differenziale

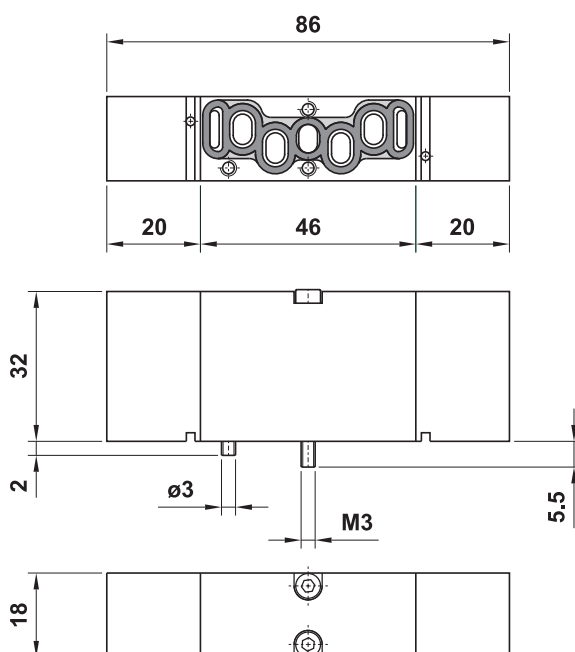
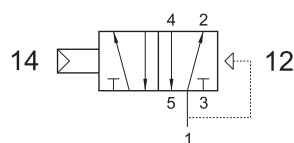
5/2 double pneumatic pilot - with differential



851 CFP

5/2 comando pneumatico - ritorno a molla pneumatica

5/2 pneumatic pilot - pneumatic spring return



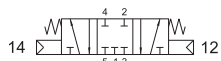
valvole VDMA 18 mm azionamento pneumatico

pneumatically piloted valves - VDMA 18 mm



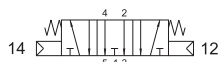
8513C CC

centri chiusi
closed centres



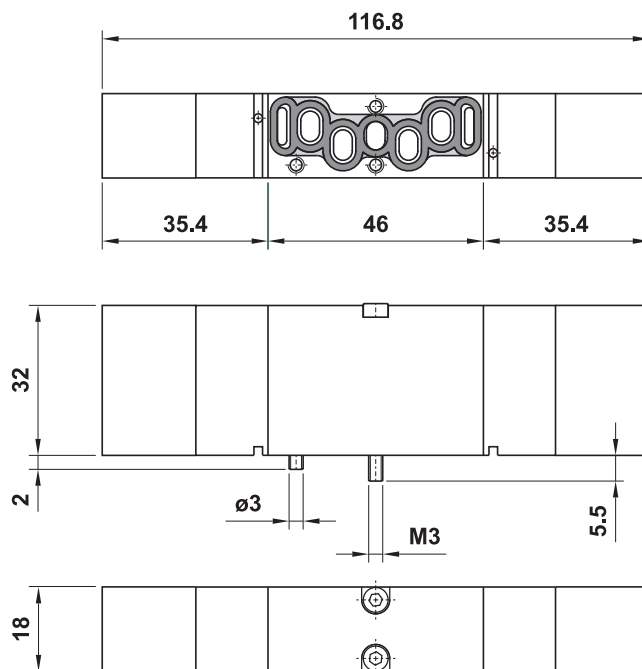
8513A CC

centri aperti
open centres



5/3 doppio comando pneumatico

5/3 double pneumatic pilot



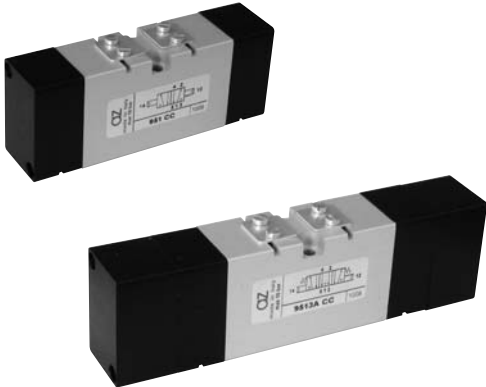
2

valvole VDMA 25 mm azionamento pneumatico

pneumatically piloted valves - VDMA 25 mm



- Valvole a spola 5/2-5/3
5/2-5/3 spool valves
- A norma VDMA 24563 - taglia 01 (25 mm); ISO 15407-1 taglia 01
Compliant to norm VDMA 24563 - size 01 (25 mm); ISO 15407-1 size 01
- Montaggio su basi singole o a posti fissi
Installation on individual sub-bases or manifolds
- Azionamento pneumatico monostabile o bistabile
Mono-stable or bi-stable pneumatic pilot



2

Tempi di risposta - *response times*

monostabile <i>mono-stable</i>	TRA (14): 30 ms TRR (12): 45 ms
bistabile <i>bi-stable</i>	TRA (14): 28 ms TRR (12): 28 ms

Materiali

Corpo: alluminio 11S
Molle: INOX
Guarnizioni: NBR
Spola: alluminio nichelato
Parti interne: ottone OT58 e tecnopolimero

Materials

Body: aluminium 11S
Springs: stainless steel
Seals: NBR
Spool: nickel plated aluminium
Internal parts: brass OT58 and technopolymer

Diametro nominale <i>Nominal orifice</i>	7.5 mm	
Portata nominale a 6 bar, Δp 1 bar <i>Nominal flow rate at 6 bar, Δp 1 bar</i>	1100 NI/min	
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 50 μ con o senza lubrificazione <i>50μ filtered, lubricated or non lubricated air</i>	

valvole VDMA 25 mm azionamento pneumatico

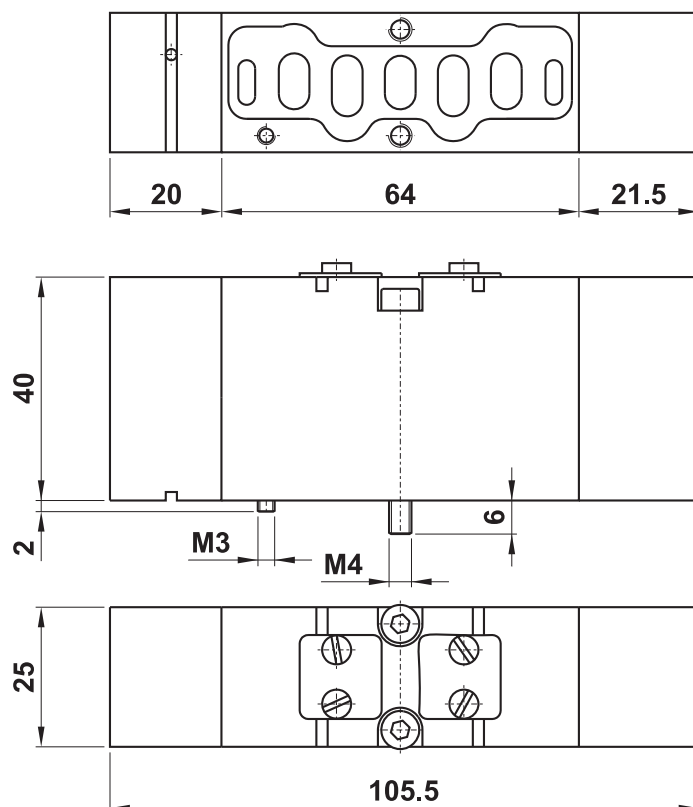
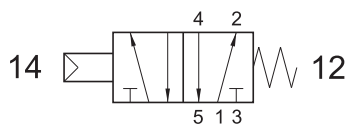
pneumatically piloted valves - VDMA 25 mm



951 MC

5/2 comando pneumatico - ritorno a molla

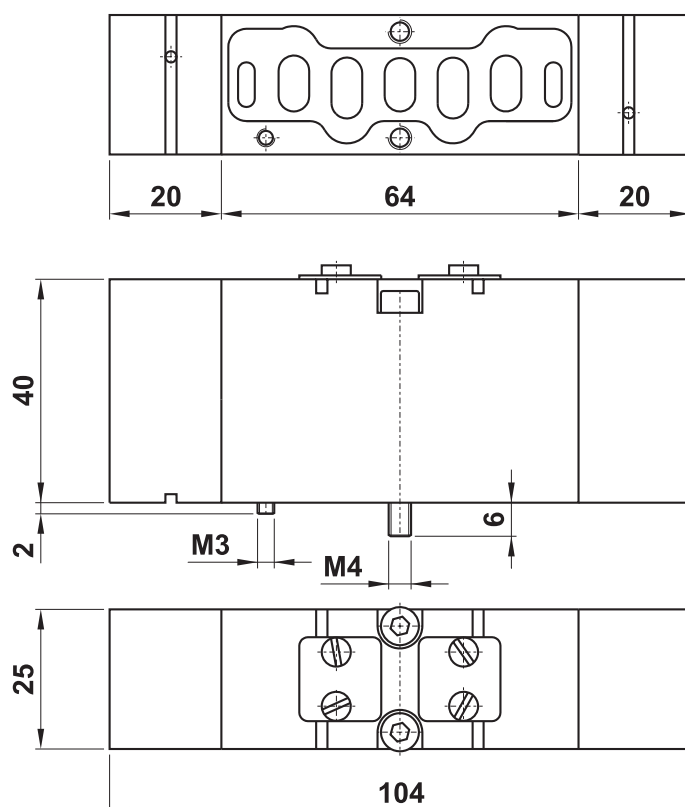
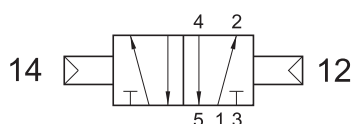
5/2 pneumatic pilot - spring return



951 CC

5/2 doppio comando pneumatico

5/2 double pneumatic pilot



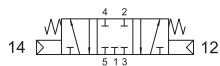
valvole VDMA 25 mm azionamento pneumatico

pneumatically piloted valves - VDMA 25 mm



9513C CC

centri chiusi
closed centres



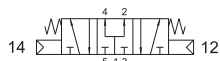
9513A CC

centri aperti
open centres



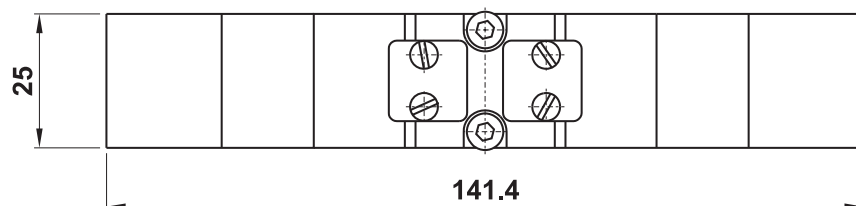
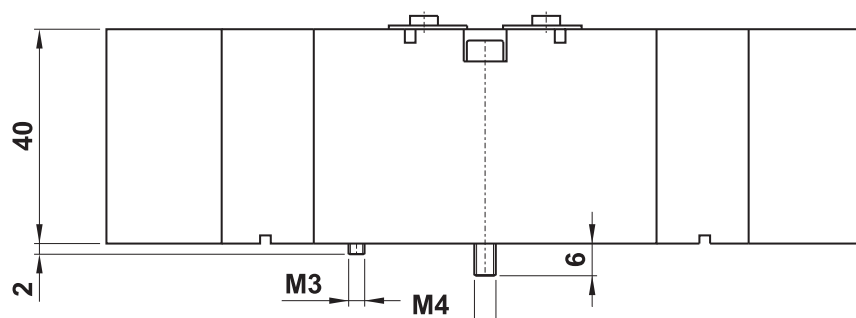
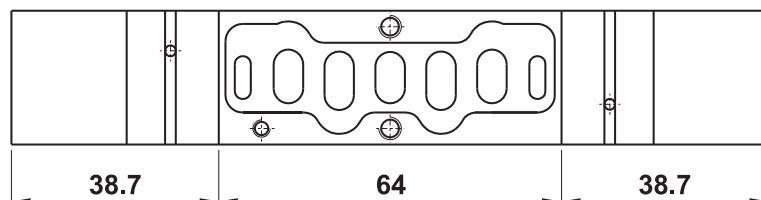
9513P CC

centri in pressione
pressurized centres



5/3 doppio comando pneumatico

5/3 double pneumatic pilot



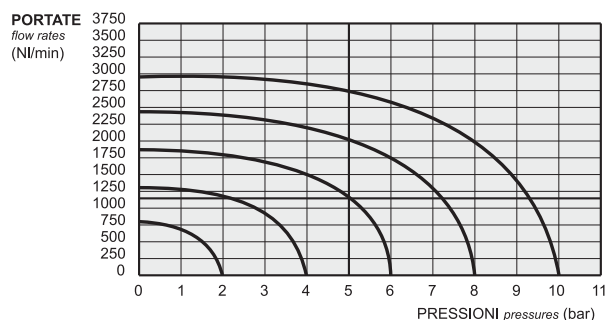
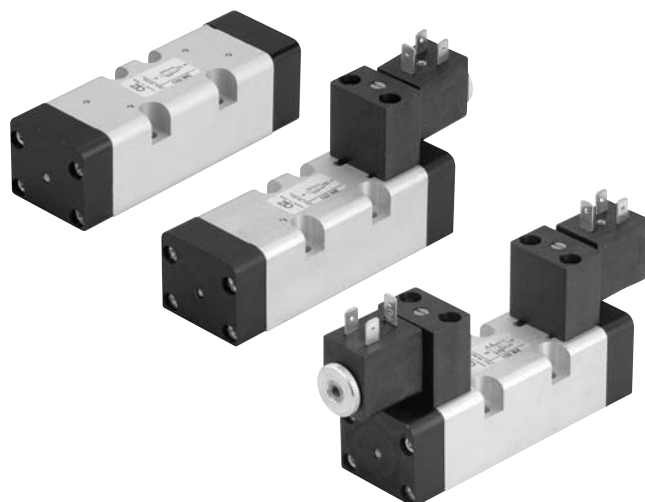
2

valvole ISO 5599/1 taglia 1

ISO 5599/1 valves - size 1



- Valvole a spola 5/2-5/3
5/2-5/3 spool valves
- Montaggio su basi modulari o a posti fissi
Installation on manifolds or multiple sub-bases
- Azionatore manuale bistabile sull'elettropilota
Detented manual override on the solenoid pilot
- Riarmo manuale della valvola
Manual reset



I prodotti di seguito indicati sono venduti senza bobine, da acquistarsi separatamente (vedi pag. 357-358).
The following listed products are sold without coils, which are bought separately (refer to pages 357-358).

Tempi di risposta - response times

	az. pneumatico <i>pneumatic pilot</i>	az. elettrico <i>solenoid pilot</i>
monostabile <i>mono-stable</i>	TRA (14): 12 ms TRR (12): 30 ms	TRA (14): 24 ms TRR (12): 50 ms
bistabile <i>bi-stable</i>	TRA (14): 20 ms TRR (12): 20 ms	TRA (14): 80 ms TRR (12): 80 ms

Materiali

Corpo: alluminio 11S
Fondelli: 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

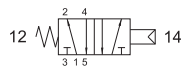
Diametro nominale <i>Nominal orifice</i>		7.5 mm	
Temperatura di esercizio <i>Temperature range</i>		max +60°C	
Pressione di esercizio <i>Working pressure</i>	al. interna monost. [monost. internal air supply]	al. interna bist. [bi-stable internal air supply]	alim. separata [separate air supply]
	2.5 ... 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 50µ filtered, lubricated or non lubricated air	

valvole ISO 5599/1 taglia 1

ISO 5599/1 valves - size 1



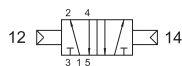
152 MC



5/2 comando pneumatico - ritorno a molla

5/2 pneumatic pilot - spring return

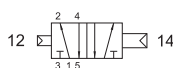
152 CC



5/2 doppio comando pneumatico

5/2 double pneumatic pilot

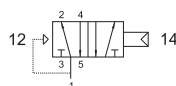
152 CCD



5/2 doppio comando pneumatico - con differenziale

5/2 double pneumatic pilot - with differential

152 CFP



5/2 comando pneumatico - ritorno a molla pneumatica

5/2 pneumatic pilot - pneumatic spring return

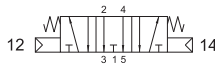
153C CC

centri chiusi
closed centres



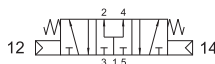
153A CC

centri aperti
open centres



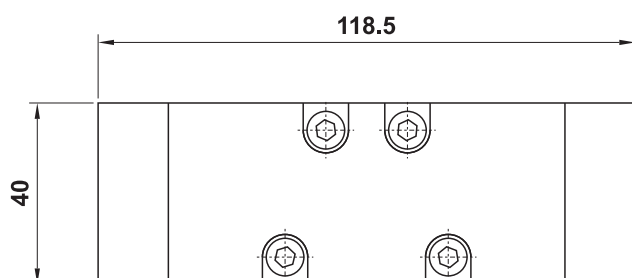
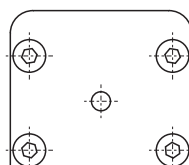
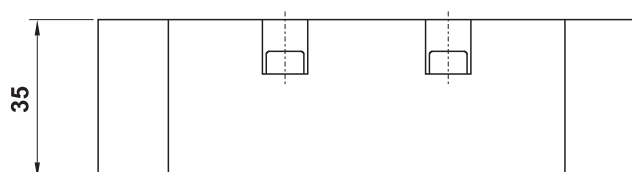
153P CC

centri in pressione
pressurized centres



5/3 doppio comando pneumatico

5/3 double pneumatic pilot

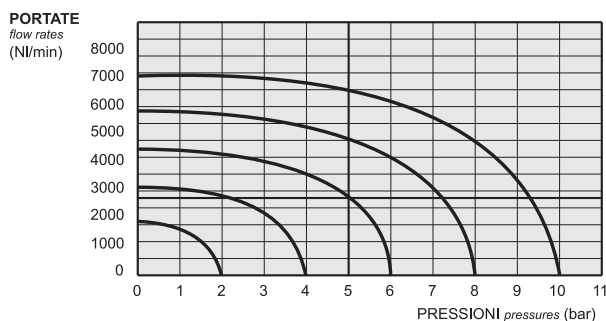
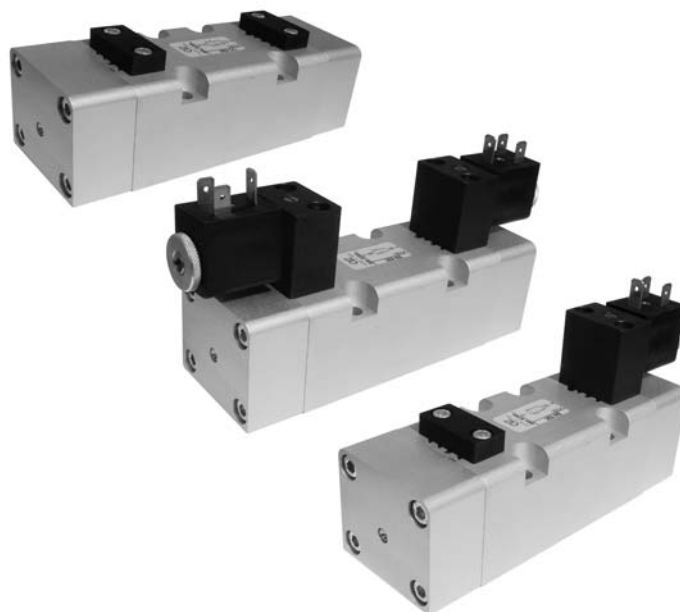


valvole ISO 5599/1 taglia 2

ISO 5599/1 valves - size 2



- Valvole a spola 5/2-5/3
5/2-5/3 spool valves
- Montaggio su basi modulari
Installation on multiple sub-bases
- Azionatore manuale bistabile sull'elettropilota
Detented manual override on the solenoid pilot
- Riarmo manuale della valvola
Manual reset



I prodotti di seguito indicati sono venduti senza bobine, da acquistarsi separatamente (vedi pag. 357-358).
The following listed products are sold without coils, which are bought separately (refer to pages 357-358).

Tempi di risposta - response times

	az. pneumatico <i>pneumatic pilot</i>	az. elettrico <i>solenoid pilot</i>
monostabile <i>mono-stable</i>	TRA (14): 24 ms TRR (12): 43 ms	TRA (14): 39 ms TRR (12): 60 ms
bistabile <i>bi-stable</i>	TRA (14): 30 ms TRR (12): 30 ms	TRA (14): 90 ms TRR (12): 90 ms

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>		9 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 50µ filtered, lubricated or non lubricated air	

valvole ISO 5599/1 taglia 2

ISO 5599/1 valves - size 2



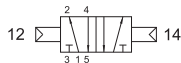
252 MC

5/2 comando pneumatico - ritorno a molla
5/2 pneumatic pilot - spring return



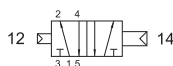
252 CC

5/2 doppio comando pneumatico
5/2 double pneumatic pilot



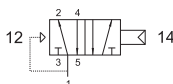
252 CCD

5/2 doppio comando pneumatico - con differenziale
5/2 double pneumatic pilot - with differential



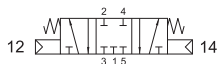
252 CFP

5/2 comando pneumatico - ritorno a molla pneumatica
5/2 pneumatic pilot - pneumatic spring return



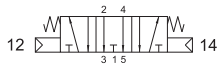
253C CC

centri chiusi
closed centres



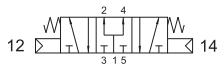
253A CC

centri aperti
open centres

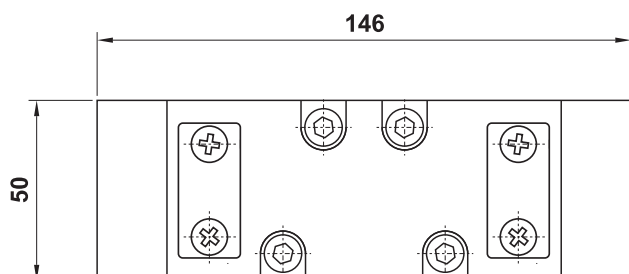
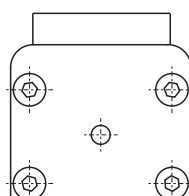
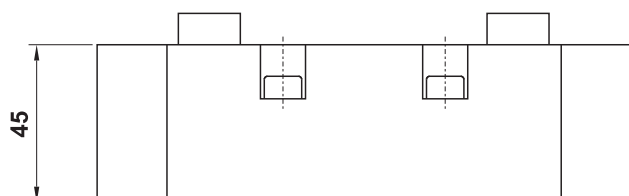
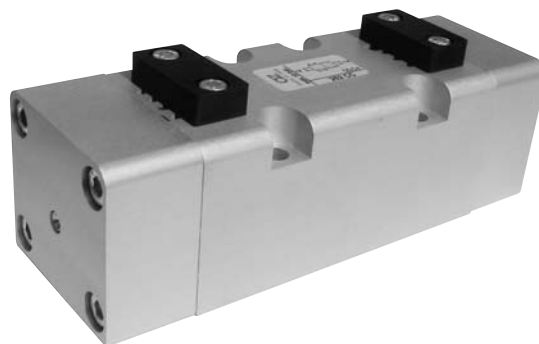


253P CC

centri in pressione
pressurized centres



5/3 doppio comando pneumatico
5/3 double pneumatic pilot

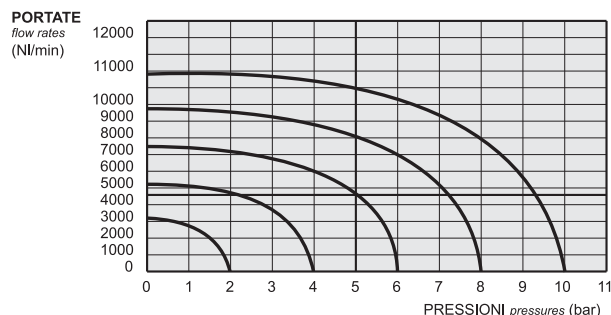
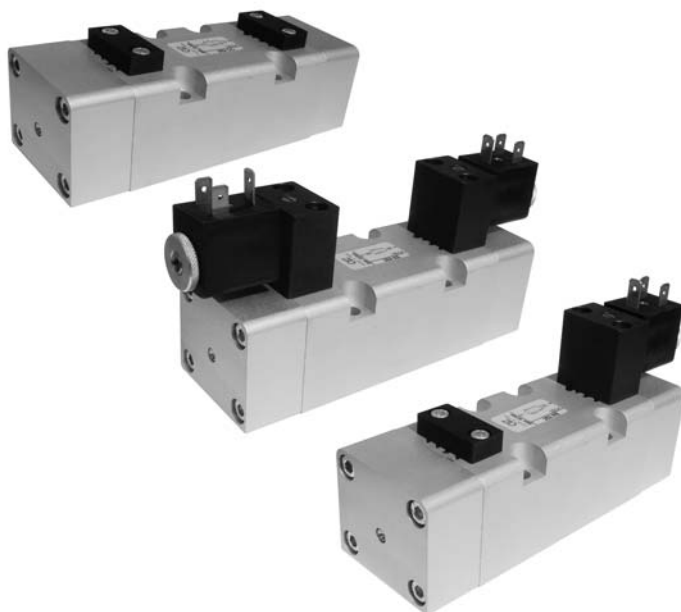


valvole ISO 5599/1 taglia 3

ISO 5599/1 valves - size 3



- Valvole a spola 5/2-5/3
5/2-5/3 spool valves
- Montaggio su basi modulari
Installation on multiple sub-bases
- Azionatore manuale bistabile sull'elettropilota
Detented manual override on the solenoid pilot
- Riarmo manuale della valvola
Manual reset



I prodotti di seguito indicati sono venduti senza bobine, da acquistarsi separatamente (vedi pag. 357-358).
The following listed products are sold without coils, which are bought separately (refer to pages 357-358).

Tempi di risposta - response times

	az. pneumatico <i>pneumatic pilot</i>	az. elettrico <i>solenoid pilot</i>
monostabile <i>mono-stable</i>	TRA (14): 24 ms TRR (12): 43 ms	TRA (14): 39 ms TRR (12): 60 ms
bistabile <i>bi-stable</i>	TRA (14): 30 ms TRR (12): 30 ms	TRA (14): 90 ms TRR (12): 90 ms

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>		13 mm	
Portata nominale a 6 bar, Δp 1 bar <i>Nominal flow rate at 6 bar, Δp 1 bar</i>		4600 Nl/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 50 μ con o senza lubrificazione 50 μ filtered, lubricated or non lubricated air	

valvole ISO 5599/1 taglia 3

ISO 5599/1 valves - size 3



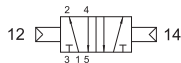
352 MC

5/2 comando pneumatico - ritorno a molla
5/2 pneumatic pilot - spring return



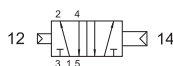
352 CC

5/2 doppio comando pneumatico
5/2 double pneumatic pilot



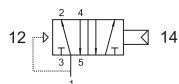
352 CCD

5/2 doppio comando pneumatico - con differenziale
5/2 double pneumatic pilot - with differential



352 CFP

5/2 comando pneumatico - ritorno a molla pneumatica
5/2 pneumatic pilot - pneumatic spring return



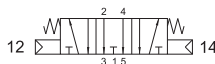
353C CC

centri chiusi
closed centres



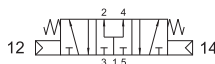
353A CC

centri aperti
open centres

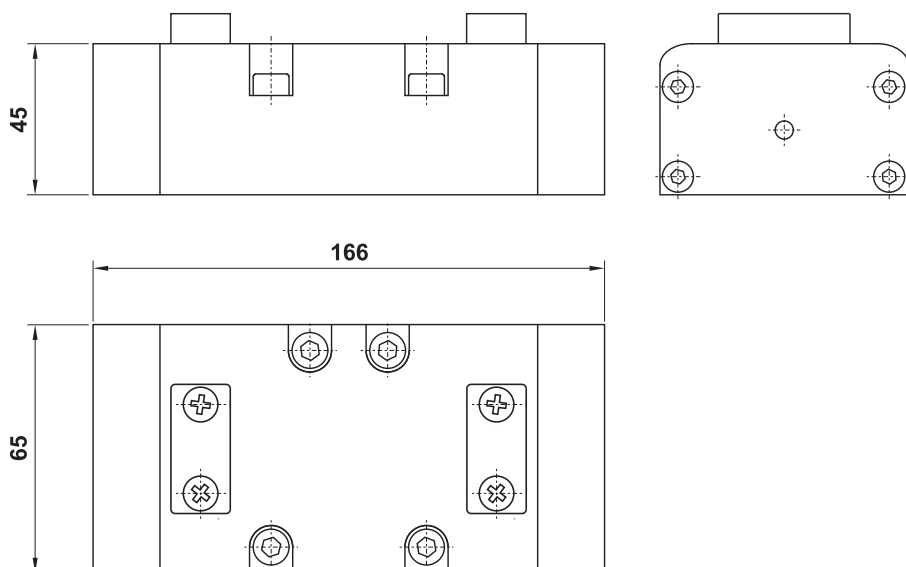


353P CC

centri in pressione
pressurized centres



5/3 doppio comando pneumatico
5/3 double pneumatic pilot



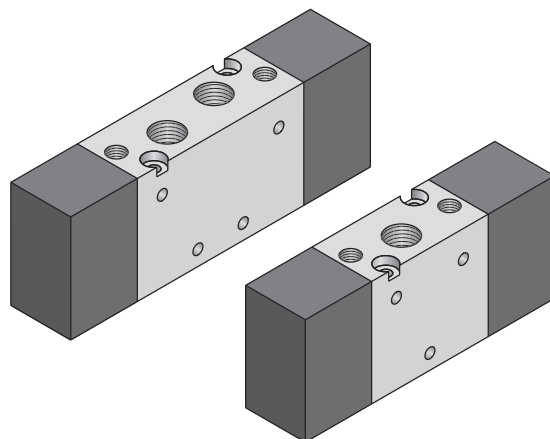
valvole 18 mm ad azionamento pneumatico

pneumatically piloted valves - 18 mm



OBSOLETO
OBSOLETE

- Valvole a spola 3/2-5/2-5/3 con attacchi filettati G1/8"
3/2-5/2-5/3 spool valves with G1/8" threaded ports
- Spessore della valvola: 18 mm
Valve thickness: 18 mm
- Montaggio in linea, su basi modulari o a posti fissi (pag. 951-955)
Installation in-line, on multiple sub-bases or manifolds (refer to pages 951-955)
- Azionamento pneumatico monostabile o bistabile
Mono-stable or bi-stable pneumatic pilot



Tempi di risposta - *response times*

monostabile <i>mono-stable</i>	TRA (14): 12 ms TRR (12): 24 ms
bistabile <i>bi-stable</i>	TRA (14): 21 ms TRR (12): 21 ms

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>	4.5 mm	
Portata nominale a 6 bar, Δp 1 bar <i>Nominal flow rate at 6 bar, Δp 1 bar</i>	500 NI/min	
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>
	3 ... 10 bar 0.3 ... 1 MPa	2 ... 10 bar 0.2 ... 1 MPa
Fluido <i>Fluid</i>	Aria filtrata 50 μ con o senza lubrificazione <i>50μ filtered, lubricated or non lubricated air</i>	

OBSOLETO

valvole 18 mm ad azionamento pneumatico

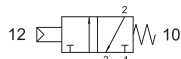
pneumatically piloted valves - 18 mm



OBSOLETO
OBSOLETE

731 MC

normalmente chiusa
normally closed



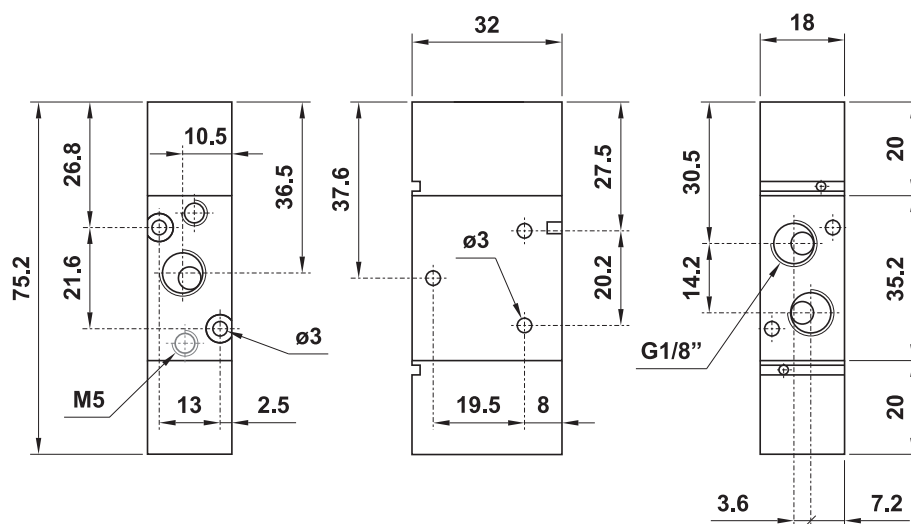
731 MCA

normalmente aperta
normally open



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

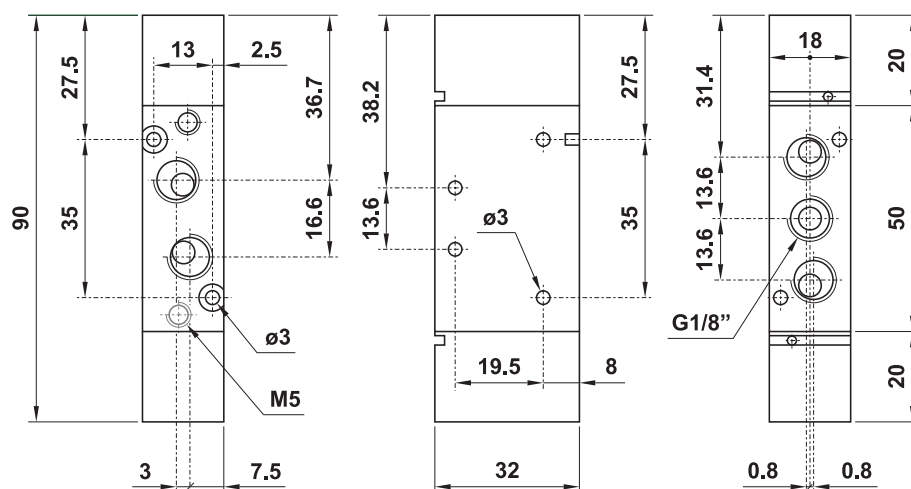
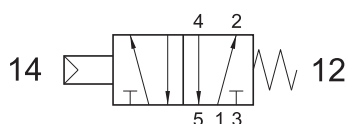
3/2 1/8" pneumatic pilot - spring return



751 MC

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

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



OBSOLETO

valvole 18 mm ad azionamento pneumatico

pneumatically piloted valves - 18 mm

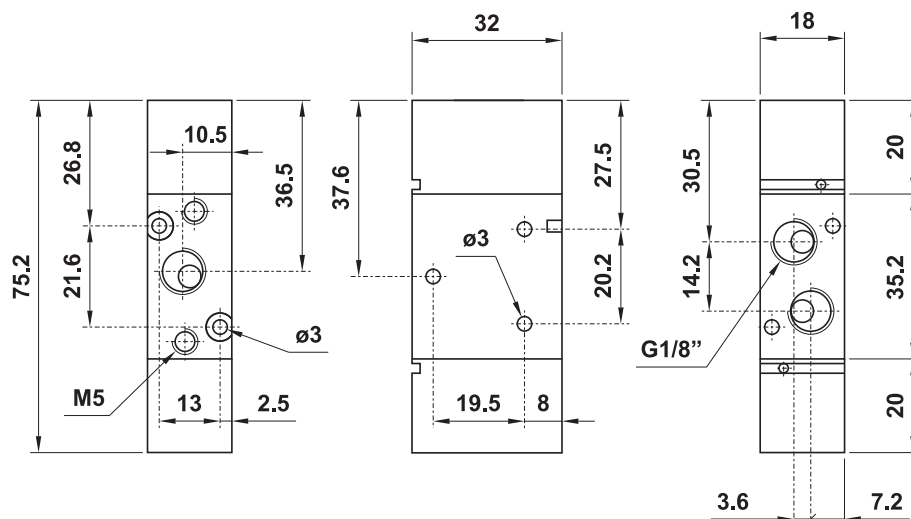
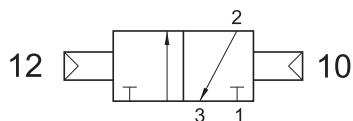


OBSOLETO
OBSOLETE

731 CC

3/2 1/8" doppio comando pneumatico

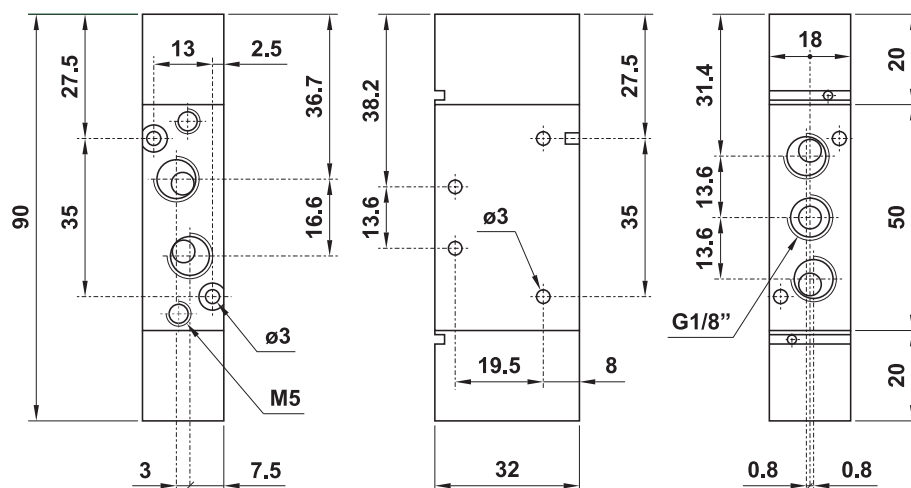
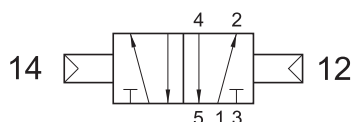
3/2 1/8" double pneumatic pilot



751 CC

5/2 1/8" doppio comando pneumatico

5/2 1/8" double pneumatic pilot

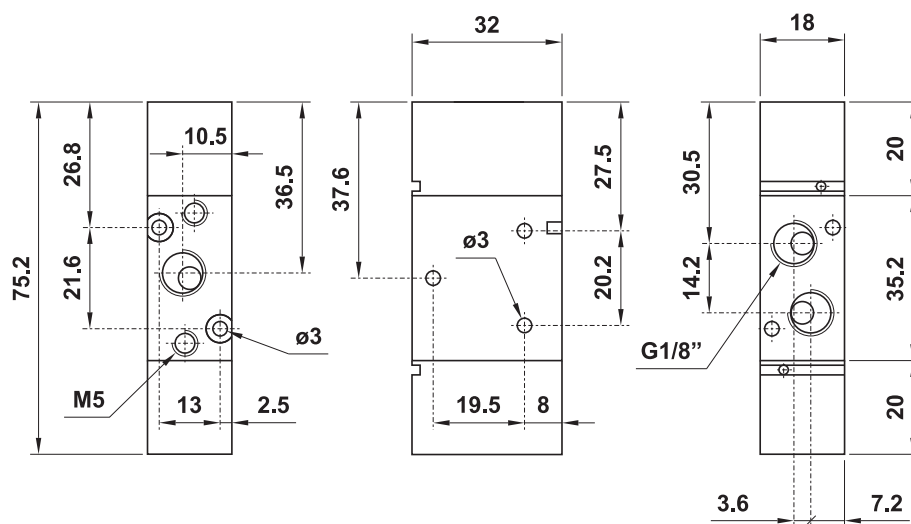
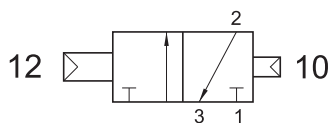


OBSOLETO

731 CCD

3/2 1/8" doppio comando pneumatico - con differenziale

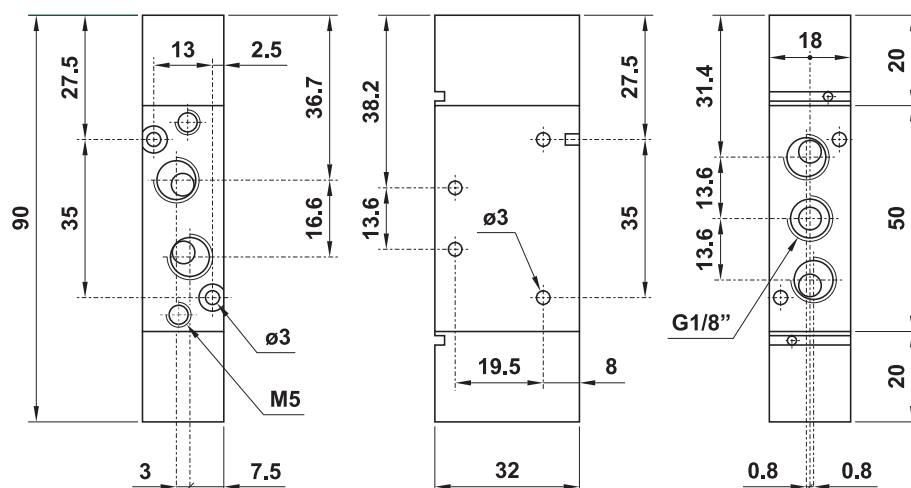
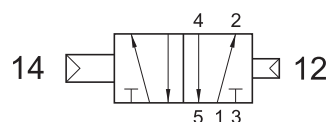
3/2 1/8" double pneumatic pilot - with differential



751 CCD

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

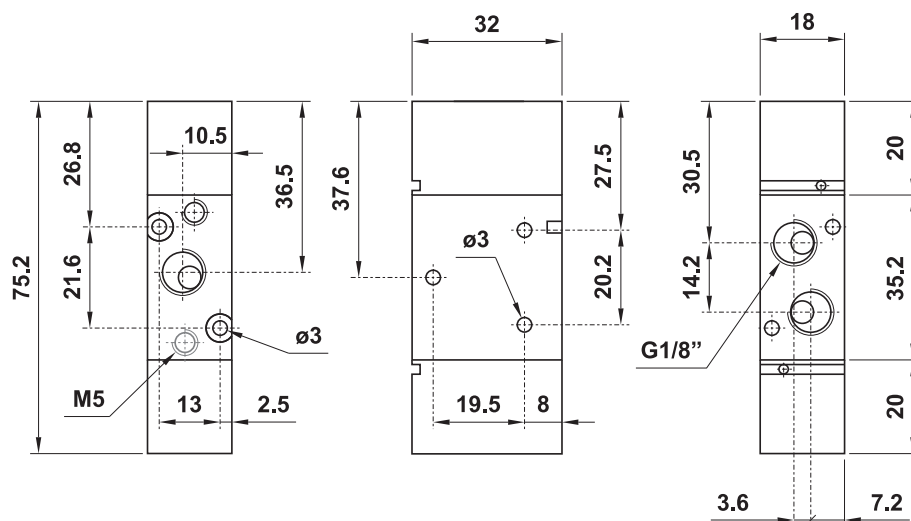
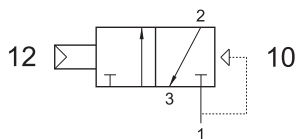
5/2 1/8" double pneumatic pilot - with differential



731 CFP

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

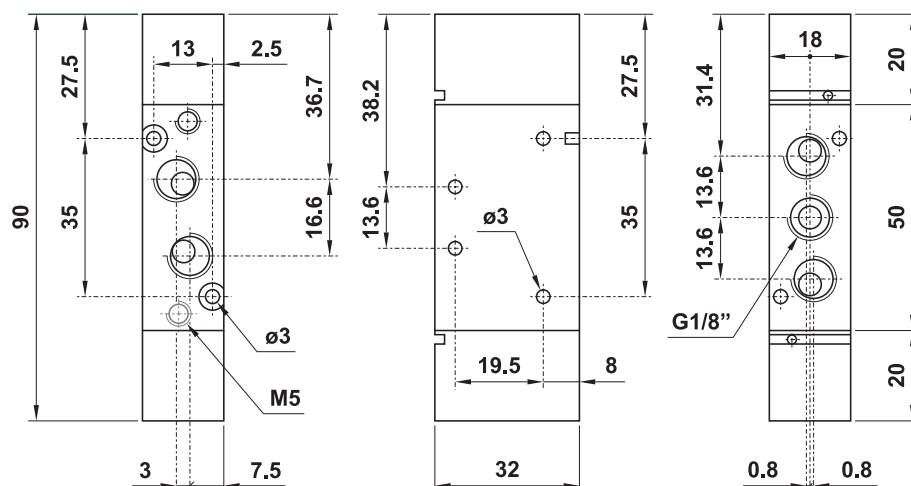
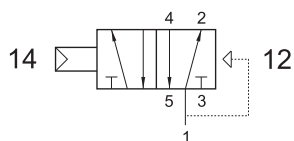
3/2 1/8" NC pneumatic pilot - pneumatic spring return



751 CFP

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

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



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