

VALVOLE ED ELETTROVALVOLE A NORMA ISO 5599 - ISO 5599 STANDARD PNEUMATIC AND SOLENOID OPERATED VALVES
EI... serie - series

PI... serie - series


Le elettrovalvole e valvole a comando pneumatico della serie "EI" e "PI" sono conformi alla norma ISO 5599 che prevede l'unificazione del piano di posa.

La gamma prevede le taglie 1 e 2 nelle funzioni 5/2 e 5/3.

Si può scegliere il tipo di elettrovalvola che per ingombri meglio si integra nell'impianto scegliendo tra il modello "...AL" o "...LN" che prevedono rispettivamente l'elettropilota montato ortogonalmente o in linea all'asse della spola, su entrambi i modelli è previsto il solenoide della serie "SL...".

Il modello "...CN", Con il solenoide "SL-CN..." è conforme alla normativa CNOMO per quanto riguarda l'elettropilota ed il solenoide. E' comunque possibile montare il solenoide "SL...". Le elettrovalvole possono essere montate singolarmente o in batteria, inoltre con l'apposita interfaccia si possono collegare basi per valvole ISO 1 con basi per valvole ISO 2.

"EI" and "PI" series valves are made in compliance with ISO 5599 standard that provides the dimension of the place where to fix the valve.

The range is composed of size 1 and 2 with 5/2 and 5/3 type.

Customer has different choice to do because are available differents electric pilot for each valve. "AL" is the 90° pilot version and the "LN" the axial pilot position. They both use the "SL..." solenoid.

The version "...CN" with "SL-CN..." coil is conform to the CNOMO standards for both base and coil. Anyway is possible to use the "SL..." coil.

Obviously, beside single base, manifold are available and exists a connection plate that allows to connect size 1 with size 2.

Informazioni tecniche - Technical informations

Fluido: aria filtrata 25 µm lubrificata o non lubrificata (se lubrificata usare olio per circuiti pneumatici).

Fluido: filtered air 25 µm lubricated or not lubricated (when lubricated use oil for pneumatic circuits).

Temperatura di esercizio - Temperature range: -15 °C ÷ + 60 °C

Pressione di esercizio - Working pressure: 2,5 ÷ 10 bar (0,25 ÷ 1MPa)

Portata nominale - Nominal flow:

ISO1 5/2	QN= 900 NI/min
ISO1 5/3	QN= 400 NI/min
ISO2 5/2	QN= 1900 NI/min
ISO2 5/3	QN= 1400 NI/min

Solenoidi: utilizzare SL, SL-CN (vedere sezione 3-48 ÷ 3-50) - *Coils: Use SL, SL-CN (see section 3-48 ÷ 3-50).*

Tempi di risposta (pressione = 6 bar) - Response times (feeding pressure = 6 bar)

Monostabile - Monostable		Bistabile - Bistable	
A. pneumatico - Pneumatic pilot	A. elettrico - Solenoid pilot	A. pneumatico - Pneumatic pilot	A. elettrico - Solenoid pilot
Azionamento - Operating : 12 ms	Azionamento - Operating : 24 ms	Azionamento - Operating : 20 ms	Azionamento - Operating : 80 ms
Riposizionamento - Return : 30 ms	Riposizionamento - Return : 50 ms	Riposizionamento - Return : 20 ms	Riposizionamento - Return : 80 ms

Come ordinare - Code example

Elettrovalvola ISO1 5/2 monostabile - Solenoid valve ISO1 5/2 monostable:

Con elettropilota ortogonale:
With orthogonal direct solenoid:

EI52M1.AL

Con elettropilota in asse:
With direct solenoid in axis:

EI52M1.LN

Con elettropilota CNOMO:
With CNOMO direct solenoid:

EI52M1.CN

Con elettropilota CNOMO + SL024A:
With CNOMO direct solenoid + SL024A:

EI52M1.CN-024A

Con elettropilota CNOMO + SL-CN024A:
With CNOMO direct solenoid + SL-CN024A:

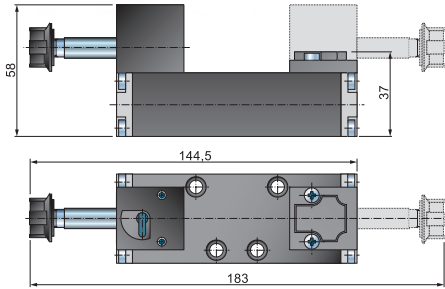
EI52M1.CN-CN024A

VALVOLE AD AZIONAMENTO ELETTROPNEUMATICO ISO 1 - ISO 1 SOLENOID OPERATED VALVES

... CN



***Con elettropilota CNOMO**
With CNOMO direct solenoid

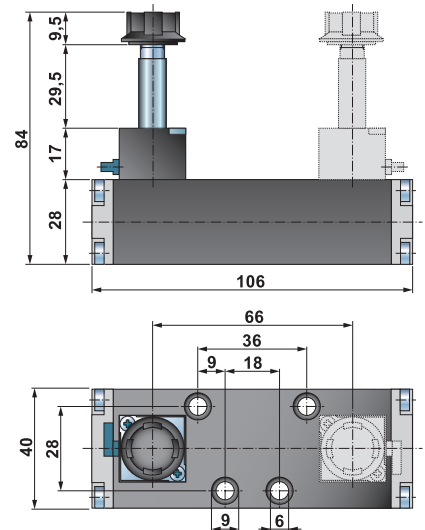


***Con elettropilota ortogonale**
With orthogonal direct solenoid

... AL



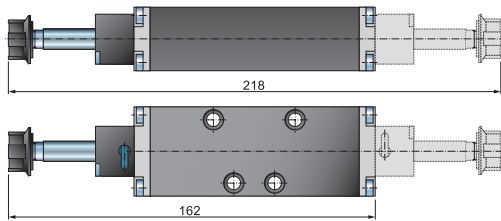
Connettori e solenoidi forniti a parte (vedere sezione 2-48 + 2-49).
Coils and connectors supplied separately (see section 2-48 + 2-49).



... LN

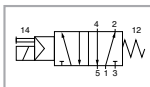


***Con elettropilota in asse**
With CNOMO direct solenoid in axis

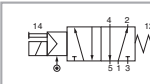


Massa - Mass: 320 g

EI52M1

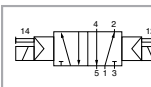


EI52M1.AS

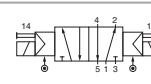


Massa - Mass: 340 g

EI52E1

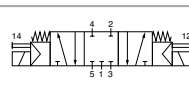


EI52E1.AS

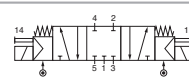


Massa - Mass: 360 g

EI53E1C

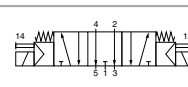


EI53E1C.AS

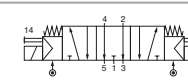


Massa - Mass: 360 g

EI53E1A

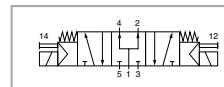


EI53E1A.AS

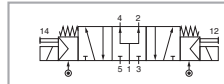


Massa - Mass: 360 g

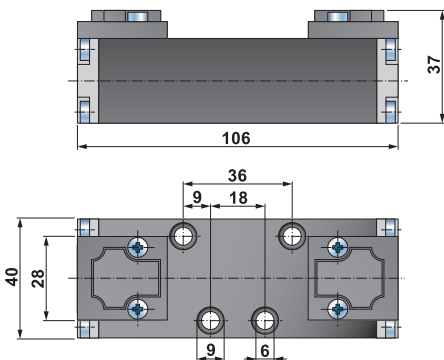
EI53E1P



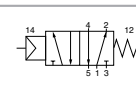
EI53E1P.AS



VALVOLE AD AZIONAMENTO PNEUMATICO ISO 1 - ISO 1 PNEUMATIC OPERATED VALVES

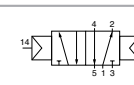


PI52M1



Massa - Mass: 240 g

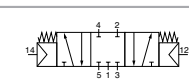
PI52P1



Massa - Mass: 260 g

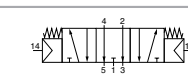


PI53P1C



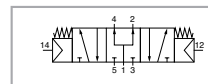
Massa - Mass: 280 g

PI53P1A



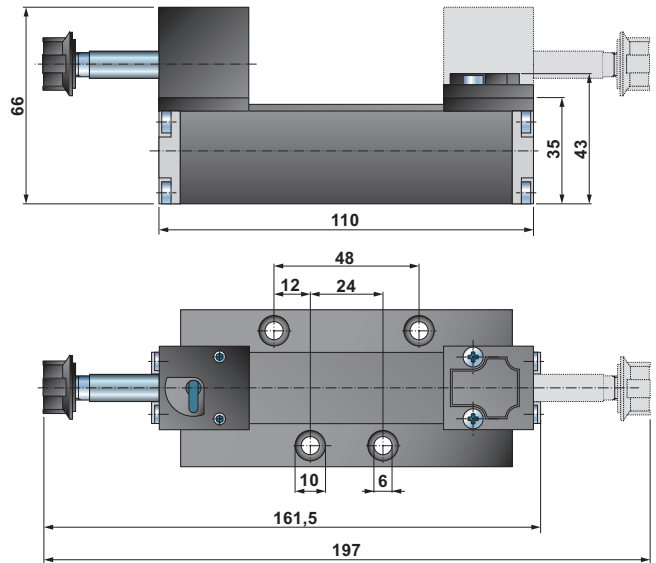
Massa - Mass: 280 g

PI53P1P



Massa - Mass: 280 g

VALVOLE AD AZIONAMENTO ELETTROPNEUMATICO ISO 2 - ISO 2 SOLENOID OPERATED VALVES



Connettori e solenoidi forniti a parte (vedere sezione 2-48 ÷ 2-50).
Coils and connectors supplied separately (see section 2-48 ÷ 2-50).

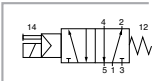
Massa - Mass: 400 g

Massa - Mass: 440 g

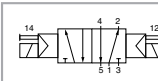
Massa - Mass: 460 g

Massa - Mass: 460 g

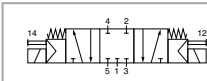
EI52M2.CN



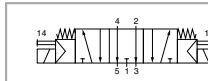
EI52E2.CN



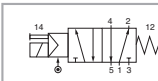
EI53E2C.CN



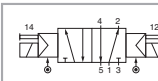
EI53E2A.CN



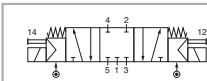
EI52M2.CN-AS



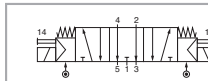
EI52E2.CN-AS



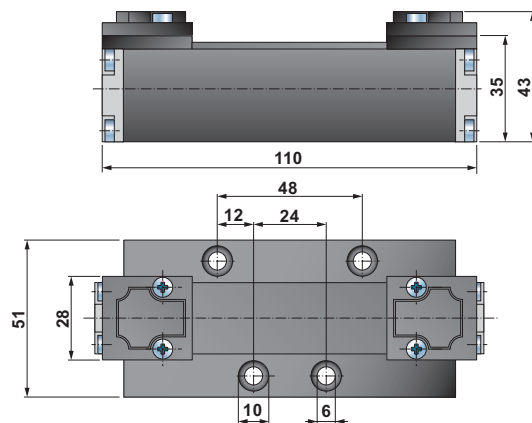
EI53E2C.CN-AS



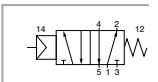
EI53E2A.CN-AS



VALVOLE AD AZIONAMENTO PNEUMATICO ISO 2 - ISO 2 PNEUMATIC OPERATED VALVES

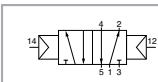


PI52M2



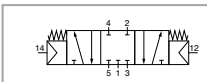
Massa - Mass: 340 g

PI52P2



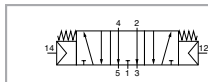
Massa - Mass: 360 g

PI53P2C



Massa - Mass: 380 g

PI53P2A



Massa - Mass: 380 g

BASI PER VALVOLE ISO 5599 TAGLIA 1 E 2 - SIZES 1 AND 2 ISO 5599 BASES

BI serie - series

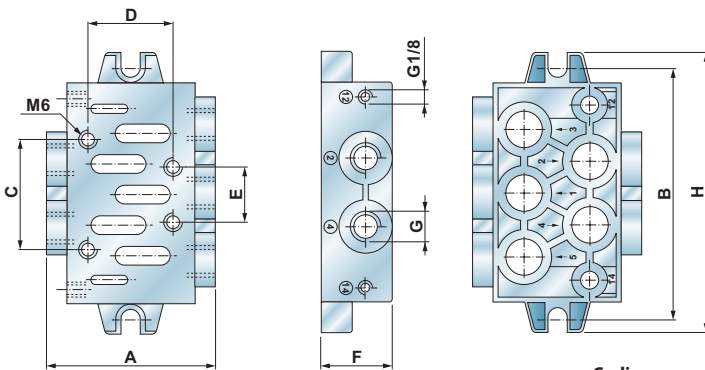


Le valvole ISO 5599 per essere utilizzate devono essere montate su basi che possono essere del tipo singolo o in batteria. Con il modello in batteria si possono formare batterie di valvole che con specifici moduli possono avere alimentazioni in comune e scarichi convogliati, le uscite possono essere frontali o sul fondo a seconda delle necessità impiantistiche. Altri accessori permettono di conformare la base secondo le specifiche esigenze.

ISO 5599 valves can be used with single base or manifold. With the manifold version it is possible to have common air supply and common exhausts. It is possible to use port connections on the base or on the side. A lot of accessories are available to complete any request.

Base singola ISO - uscite laterali
ISO single manifold - Side ports

BIS .

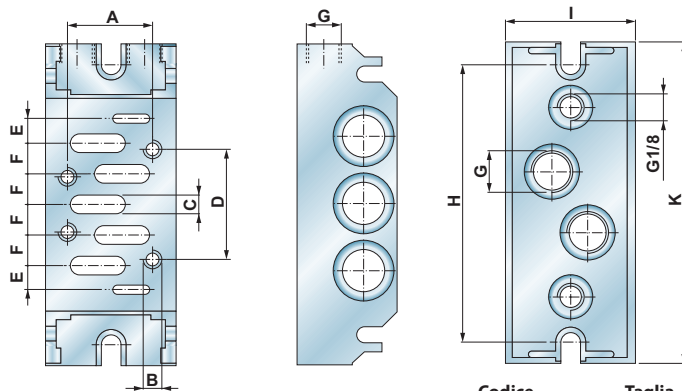


Codice Code	Taglia Size	A	B	C	D	E	F	G	H	Massa (g) Mass (g)
BIS 1	1	56	82,5	36	28	18	24	G1/4	92,5	140
BIS 2	2	65	100,5	48	38	24	30	G3/8	112,5	220

Valvole
Valves
3

Base modulare ISO - uscite sul fondo e laterali
ISO modular base - Side and bottom ports

BIM .



Completa di viti e guarnizioni per il fissaggio della valvola e dei tappi di chiusura attacchi non utilizzati.
Base is supplied with gaskets and closing caps.

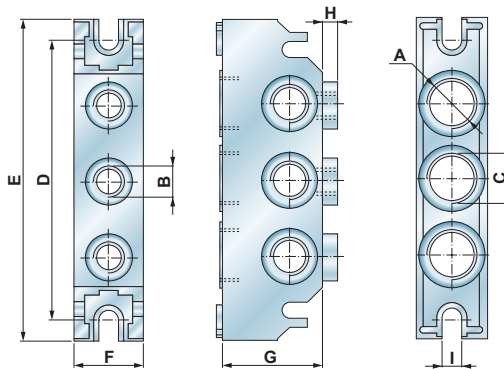
Codice Code	Taglia Size	A	B	C	D	E	F	G	H	I	J	K	Massa (g) Mass (g)
BIM 1	1	28	M5	4,5	36	8,5	9	G1/4	92	43	G1/4	106	210
BIM 2	2	38	M6	7	48	10	12	G3/8	102	56	G3/8	120	340

TC....

Modulo terminale ISO
ISO Header



Completo di viti e guarnizioni per il fissaggio.
Complete with gasket and screws.



Il modulo terminale, necessario per completare una base manifold, può essere di chiusura (TC.CH.), o di alimentazione, in quest'ultimo caso si può scegliere tra l'alimentazione ortogonale (TC.AL.) o in asse (TC.LN.) rispetto al piano di posa delle valvole. Dal modulo di chiusura è possibile ricavare i moduli di alimentazione con un'operazione molto semplice che prevede la rimozione della membrana in metallo che impedisce il flusso dell'aria nella direzione scelta.

The header is available in two models: closed header (TC.CH.) and supply header. The second one is available in two version: vertical supply (TC.AL.) or horizontal supply (TC.LN.).

It's easy to create a supply header using the closed header; is enough to open the thin membrane in the base using a drill tool.

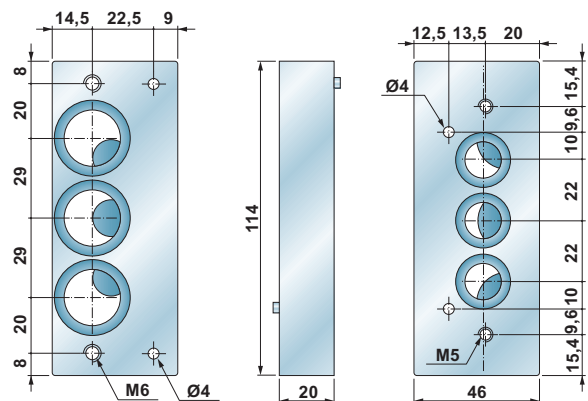
Codice Code	Taglia Size	Descrizione Description	Massa (g) Mass (g)	A	B	C	D	E	F	G	H	I
TC.CH.1	1	alimentazione chiusa - closed pressure	130	G3/8	G1/4	G3/8	92	106	22	36	8	5,5
TC.AL.1	1	alimentazione ortogonale - orthogonal pressure										
TC.LN.1	1	alimentazione in asse - pressure in axis										
TC.CH.2	2	alimentazione chiusa - closed pressure	240	G1/2	G1/4	G1/2	102	120	29	43	7	6,5
TC.AL.2	2	alimentazione ortogonale - orthogonal pressure										
TC.LN.2	2	alimentazione in asse - pressure in axis										

BU.BIM.12

Interfaccia di unione per il collegamento di basi BIM1 - BIM2
Intermediate plate to fixing ISO1 and ISO2 bases

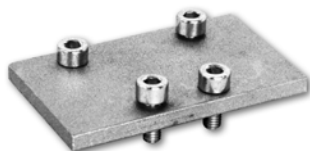


Massa - Mass: 150 g

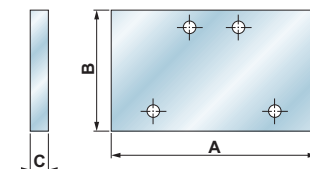


PC.BIM.

Piastrina di chiusura (completa di viti e guarnizioni)
Blanking plate (supplied with screws and gaskets)



Codice Code	Taglia Size	A	B	C
PC.BIM.1	1	68	40	6
PC.BIM.2	2	80	54	6



TC.BIM.

Tappo
Plug



Codice Code	Taglia Size
TC.BIM.1	1
TC.BIM.2	2

