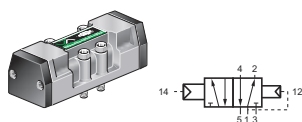


# INDEX / INDICE

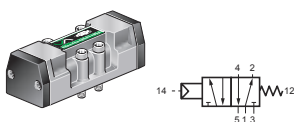
(\*) ATEX versions see / Versioni ATEX vedi P. B-113

## VALVES AND SOLENOID VALVES ISO 5599 SIZE 1 / VALVOLE E ELETTROVALVOLE ISO 5599 TAGLIA 1



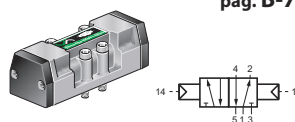
**SVP4 52 100**

SINGLE PNEUMATIC PILOT - INTERNAL PRESSURE RETURN  
COMANDO PNEUMATICO - RIPOSIZIONAMENTO PNEUMATICO



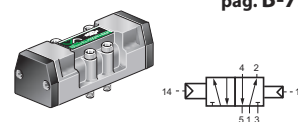
(\*) **SVP4 52 1M0**

SINGLE PNEUMATIC PILOT - SPRING RETURN  
COMANDO PNEUMATICO - RIPOSIZIONAMENTO MOLLA MECCANICA



(\*) **SVP4 52 200**

DOUBLE PNEUMATIC PILOT  
DOPPIO COMANDO PNEUMATICO

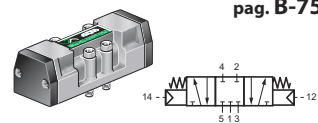


**SVP4 52 2D0**

DOUBLE DIFFERENTIAL PNEUMATIC PILOT  
DOPPIO COMANDO PNEUMATICO DIFFERENZIALE

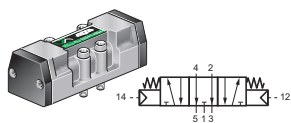
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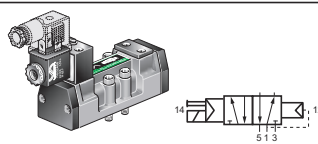
**SVP4 53 260**

DOUBLE PNEUMATIC PILOT (CENTRE POSITION CLOSED)  
DOPPIO COMANDO PNEUMATICO (CENTRI CHIUSI)



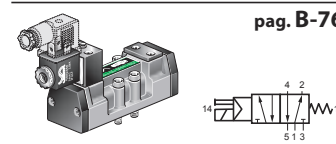
**SVP4 53 290**

DOUBLE PNEUMATIC PILOT (CENTRE POSITION OPEN)  
DOPPIO COMANDO PNEUMATICO (CENTRI APERTI)



**SVE5 52 100 - .....**

SINGLE SOLENOID PILOT - INTERNAL PRESSURE RETURN  
COMANDO ELETTROPNEUMATICO - RIPOSIZIONAMENTO PNEUMATICO

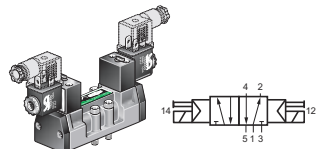


(\*) **SVE5 52 1M0 - .....**

SINGLE SOLENOID PILOT - SPRING RETURN  
COMANDO ELETTROPNEUMATICO - RIPOSIZ. MOLLA MECCANICA

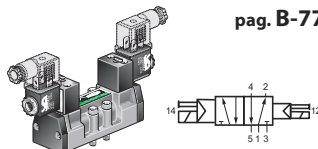
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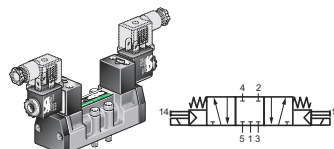
(\*) **SVE5 52 200 - .....**

DOUBLE SOLENOID PILOT  
DOPPIO COMANDO ELETTROPNEUMATICO



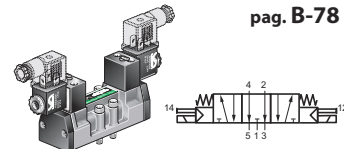
**SVE5 52 2D0 - .....**

DOUBLE DIFFERENTIAL SOLENOID PILOT  
DOPPIO COMANDO ELETTROPNEUMATICO DIFFERENZIALE



**SVE5 53 260 - .....**

DOUBLE SOLENOID PILOT (CENTRE POSITION CLOSED)  
DOPPIO COMANDO ELETTROPNEUMATICO (CENTRI CHIUSI)

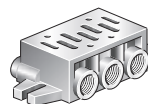


**SVE5 53 290 - .....**

DOUBLE SOLENOID PILOT (CENTRE POSITION OPEN)  
DOPPIO COMANDO ELETTROPNEUMATICO (CENTRI APERTI)

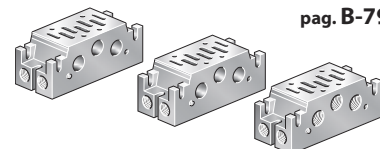
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(\*) **BS 1**

ISO 5599 SINGLE MANIFOLD BASE SIZE 1  
BASE SINGOLA ISO 5599 TAGLIA 1

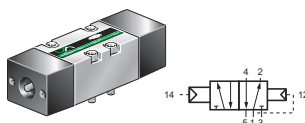


(\*) **BTC 1** (\*) **BMI 1** (\*) **BTI 1**

ISO 5599 MODULAR MANIFOLD BASES SIZE 1  
BASI MODULARI ISO 5599 TAGLIA 1

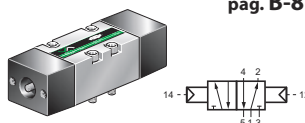
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## VALVES AND SOLENOID VALVES ISO 5599 SIZE 2 / VALVOLE E ELETTROVALVOLE ISO 5599 TAGLIA 2



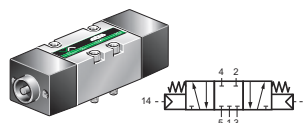
**SVP2 52 100**

SINGLE PNEUMATIC PILOT - INTERNAL PRESSURE RETURN  
COMANDO PNEUMATICO - RIPOSIZIONAMENTO PNEUMATICO



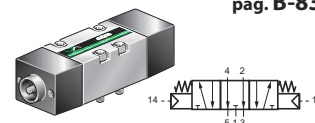
**SVP2 52 200**

DOUBLE PNEUMATIC PILOT  
DOPPIO COMANDO PNEUMATICO



**SVP2 53 260**

DOUBLE PNEUMATIC PILOT (CENTRE POSITION CLOSED)  
DOPPIO COMANDO PNEUMATICO (CENTRI CHIUSI)

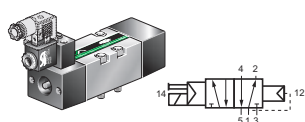


**SVP2 53 290**

DOUBLE PNEUMATIC PILOT (CENTRE POSITION OPEN)  
DOPPIO COMANDO PNEUMATICO (CENTRI APERTI)

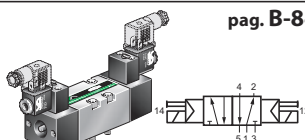
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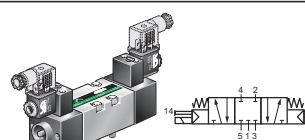
**SVE2 52 100 - .....**

SINGLE SOLENOID PILOT - INTERNAL PRESSURE RETURN  
COMANDO ELETTROPNEUMATICO - RIPOSIZIONAMENTO PNEUMATICO



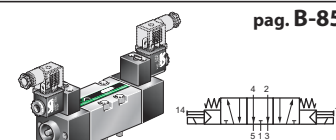
**SVE2 52 200 - .....**

DOUBLE SOLENOID PILOT  
DOPPIO COMANDO ELETTROPNEUMATICO



**SVE2 53 260 - .....**

DOUBLE SOLENOID PILOT (CENTRE POSITION CLOSED)  
DOPPIO COMANDO ELETTROPNEUMATICO (CENTRI CHIUSI)

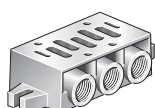


**SVE2 53 290 - .....**

DOUBLE SOLENOID PILOT (CENTRE POSITION OPEN)  
DOPPIO COMANDO ELETTROPNEUMATICO (CENTRI APERTI)

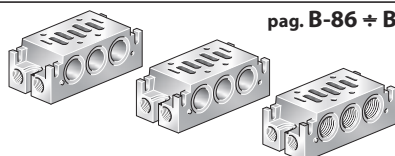
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pag. B-85



**BS 2**

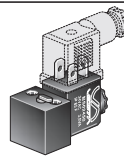
ISO 5599 SINGLE MANIFOLD BASE SIZE 2  
BASE SINGOLA ISO 5599 TAGLIA 2



**BTC 2 BMI 2 BTI 2**

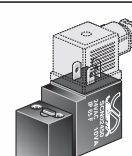
ISO 5599 MODULAR MANIFOLD BASES SIZE 2  
BASI MODULARI ISO 5599 TAGLIA 2

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**ELBAC - .....**

CNOMO SOLENOID VALVE 2,5 Watt - 3,5 V A COIL  
ELETTROPILOTA CNOMO CON BOBINA 2,5 Watt - 3,5 V A



**ELCDC - .....**

CNOMO SOLENOID VALVE 2,5 Watt - 3,5 V A COIL  
ELETTROPILOTA CNOMO CON BOBINA 2,5 Watt - 3,5 V A

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## BUILDING FEATURES / CARATTERISTICHE COSTRUTTIVE

Valves and solenoid valves series **SVE** and **SVP** are manufactured according to the ISO 5599/1 standards (see here below).

The choice of high quality materials and the technical solution adopted allows to the ISO valves to reach a good performance even in harsh environmental conditions. The spool, made by a light alloy aluminium, nickel treated by Niploy Process (see fig. **A**) to give its surface a smooth finish and a better resistance to aggressive agent. Its particular shape allows high nominal flow rates (see fig. **D**) and the combination with self lubricating lip rubber seals (see fig. **B**) bring to reduced internal friction (see fig. **C**) and provides the valve with a long lasting durable life span.

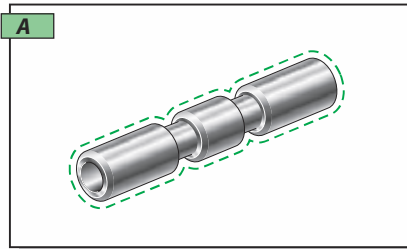
The ISO valves can operate continuously without lubrication (see fig. **E**) and are sealed against working environment.

*Le valvole ed elettrovalvole VESTA serie **SVE** e **SVP** sono prodotte in conformità alle normative ISO 5599/1 (si veda la scheda tecnica a fondo pagina).*

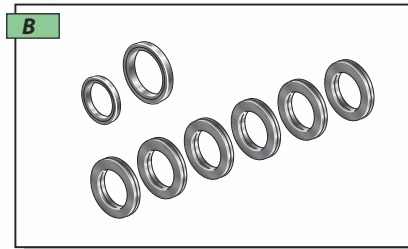
*Le soluzioni tecniche adottate ed i materiali impiegati hanno permesso di realizzare un prodotto che presenta elevate prestazioni funzionali anche in condizioni di impiego particolarmente gravose.*

*La spola, costruita in lega leggera e progettata per consentire elevate portate nominali (**D**), viene trattata superficialmente al nickel (Niploy Process) (**A**) onde acquisire una durezza maggiore ed una più elevata resistenza agli agenti aggressivi. La combinazione tra la spola e le guarnizioni in elastomero nitrilico con profilo del labbro anti-usura (**B**), permette, accanto ad una riduzione degli attriti, una alta velocità di scambio e cicli di lavoro elevati (**C**), garantendo una maggiore durata della meccanica interna. Tutti i modelli di valvola serie **SVE** e **SVP** possono essere utilizzati anche in assenza di lubrificazione (**E**). L'ermeticità di funzionamento verso l'ambiente di lavoro ne fa inoltre un prodotto adatto all'impiego in settori cosiddetti "difficili" (**F**).*

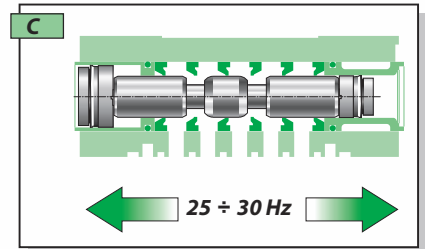
*Nelle pagine che seguono tutte le caratteristiche funzionali di ciascuna valvola sono convalidate dal Dipartimento di Meccanica del Politecnico di Torino.*



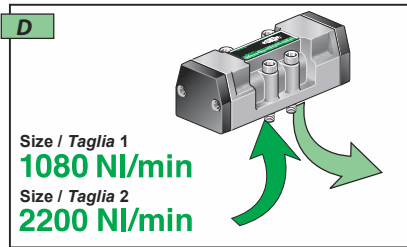
Light alloy spool with Niploy Process treated surface.  
*Spola in lega leggera con trattamento superficiale Niploy Process.*



Self lubricating lip rubber seals.  
*Guarnizioni in elastomero nitrilico con profilo del labbro antiusura.*

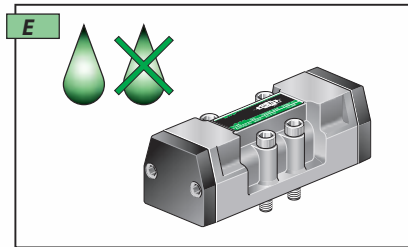


High working frequency.  
*Alta velocità di scambio per cicli di lavoro elevati.*

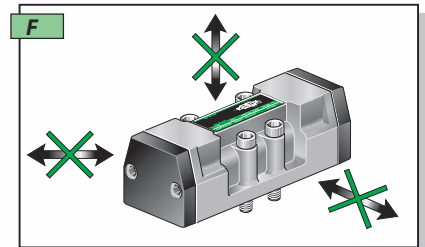


Size / Taglia 1  
**1080 NI/min**  
Size / Taglia 2  
**2200 NI/min**

Nominal air flow (1080 and 2200 NI/min 5/2 valves).  
*Alta portata nominale (1080 e 2200 NI/min per le valvole 5/2).*



Possibility of operating continuously without lubrication.  
*Possibilità di funzionamento continuo privo di lubrificazione.*



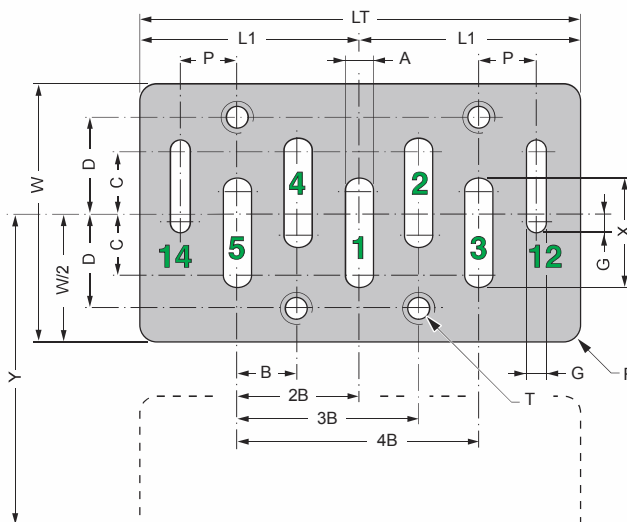
Sealed against working environment.  
*Ermeticità di funzionamento verso l'ambiente di lavoro.*

**MOUNTING INTERFACE SURFACE ISO 5599 / 1 / DIMENSIONI DEI PIANI DI POSA ISO 5599 / 1**

Standard **ISO 5599/1**, indicates the main dimensions of the mounting interface surface; the minimum distance of each subbase and the port connection numbers as figure shows.

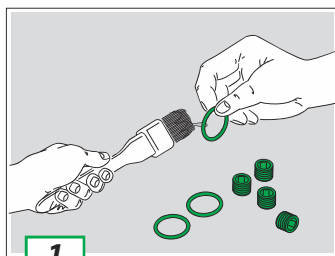
While VESTA subbase design is in compliance with the CEPTOP standards and the solenoid pilot mounting interface surface follows the CNOMO standard.

La norma **ISO 5599/1**, emanata dall'Organismo Internazionale di Standardizzazione e accettata da tutti i grandi utilizzatori, stabilisce le dimensioni del piano di posa del distributore, l'interasse minimo tra due basi affiancate e la numerazione delle connessioni di entrata e di uscita come da schema a fianco riportato. Nella concezione delle basi VESTA, inoltre, si sono seguite le raccomandazioni CETOP che definiscono in maniera più precisa la geometria della base stessa. Il piano di posa dell'elettropilota, infine, è conforme a quanto previsto dalle normative CNOMO.



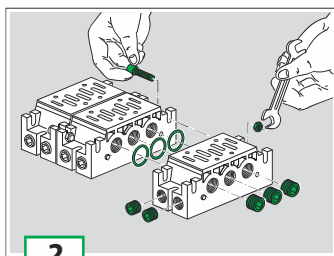
	A	B	C	D	G	L1 min.	LT min.	P	R max	T	W min.	X	Y min.	
SIZE 1	4,5	9	9	14	3	32,5	65	8,5	2,5	M5x0,8	38	16,5	43	TAGLIA 1
SIZE 2	7	12	10	19	3	40,5	81	10	3	M6x1	50	22	56	TAGLIA 2

**HOW TO ASSEMBLE MANIFOLDS AND RELATED ACCESSORIES  
CONSIGLI DI MONTAGGIO DELLE BASI MODULARI E RELATIVI ACCESSORI**



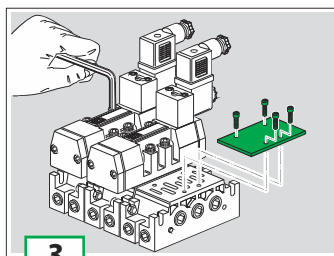
**1**  
Before assembling the single subbases :  
- lubricate seals with grease;  
- cover all male thread with teflon or glue.

Prima di assemblare tra di loro le basi lubrificare le guarnizioni con apposito grasso, rivestire la parte filettata dei tappi di chiusura delle connessioni inutilizzate nonché dei raccordi di collegamento con collante fermafiletti o teflon, avendo cura che i residui non vengano dispersi nei condotti.



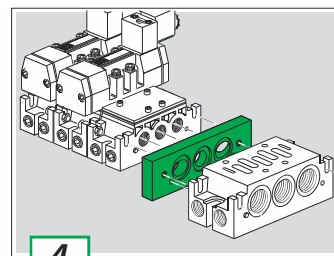
**2**  
Verify the right position of the seals to avoid leakages.  
Fix the fixing screws until tight.

E' importante verificare il corretto montaggio delle guarnizioni sulle relative sedi per evitare che durante il serraggio delle basi possano subire schiacciamenti o tagli. Posizionare inoltre i bulloni di fissaggio completamente in fondo alle rispettive asole per garantire la stabilità del fissaggio.



**3**  
Lubricate coupling valve seals.  
Close the unused subbase with a flat plate.

Lubrificare la guarnizione di accoppiamento delle valvole e procedere al montaggio delle stesse. Chiudere le basi eventualmente inutilizzate con l'apposita piastrina di chiusura.



**4**  
It is possible to interface manifold size 1 and 2 with the **INTF 1-2** adapter plate, following the assembly instruction above indicated.

E' possibile interfacciare basi di taglia 1 con basi di taglia 2 per mezzo dell'interfaccia **INTF 1-2**, seguendo le stesse modalità di montaggio delle basi sopra descritte.

## TECHNICAL FEATURES / CARATTERISTICHE TECNICHE

## SERIE SVP2 - SVE2

### COMMON TECHNICAL FEATURES SVP2 AND SVE2

Fixing .....	Single subbase pag. B-80
Flow section .....	Manifold mounting pag. B-80
Ambient temperature range .....	Ø 8 mm
Temperature range of medium .....	-10 °C ÷ +50 °C
Lubrication .....	0 °C ÷ +40 °C
Medium .....	Not required
Reference temperature .....	Filtered air
Reference pressure .....	+20 °C
	6 bar

<b>VALVES AND SOLENOID VALVES 5/2</b>	
Nominal air flow .....	2200 NI/min
Fluid conductance "C" .....	7,6 NI/s bar
Critical pressure ratio "b" .....	0,38

<b>VALVES AND SOLENOID VALVES 5/3</b>	
Nominal air flow .....	1800 NI/min
Fluid conductance "C" .....	7,1 NI/s bar
Critical pressure ratio "b" .....	0,45

### PNEUMATIC VALVES FEATURES SVP2

<b>SVP2 52 100</b>	Nominal pilot pressure .....	4 bar (10 bar)
	Nominal max. frequency .....	16 Hz
	<b>Operating pressure range</b> .....	<b>2,5 ÷ 10 bar</b>

<b>SVP2 52 200</b>	Nominal pilot pressure .....	1,3 bar
	Nominal max. frequency .....	25 Hz
	<b>Operating pressure range</b> .....	<b>1,5 ÷ 10 bar</b>

<b>SVP2 53 260</b>	Nominal pilot pressure .....	3,2 bar
	Nominal max. frequency .....	8 Hz
	Nominal suggested frequency .....	5 Hz
	<b>Operating pressure range</b> .....	<b>3 ÷ 10 bar</b>

<b>SVP2 53 290</b>	Nominal pilot pressure .....	3,2 bar
	Nominal max. frequency .....	8 Hz
	Nominal suggested frequency .....	5 Hz
	<b>Operating pressure range</b> .....	<b>3 ÷ 10 bar</b>

### SOLENOID VALVES FEATURES SVE2

	AC	DC
<b>SVE2 52 100</b>	Nominal frequency (max) .....	13 Hz 10 Hz
	Average actining response .....	21 ms 24 ms
	Average disactioning response .....	36 ms 47 ms
	<b>Operating pressure range</b> .....	<b>2,5 ÷ 10 bar</b>

	AC	DC
<b>SVE2 52 200</b>	Nominal frequency (max) .....	24 Hz 18 Hz
	Average actining response .....	14 ms 17 ms
	Average disactioning response .....	14 ms 17 ms
	<b>Operating pressure range</b> .....	<b>1,5 ÷ 10 bar</b>

<b>SVE2 53 260</b>	Nominal frequency (max) .....	8 Hz 8 Hz
	Nominal frequency suggested .....	5 Hz 5 Hz
	Average actining response .....	30 ms 35 ms
	Average disactioning response .....	35 ms 40 ms
	<b>Operating pressure range</b> .....	<b>3 ÷ 10 bar</b>

<b>SVE2 53 290</b>	Nominal frequency (max) .....	8 Hz 8 Hz
	Nominal frequency suggested .....	5 Hz 5 Hz
	Average actining response .....	30 ms 35 ms
	Average disactioning response .....	35 ms 40 ms
	<b>Operating pressure range</b> .....	<b>3 ÷ 10 bar</b>

For electrical features solenoid SVE5 with CNOMO pilot see pp. B-88.

### CARATTERISTICHE TECNICHE COMUNI SVP2 E SVE2

Fissaggio .....	Base singola uscita frontali pag. B-78
	Basi in batteria pag. B-78
Diametro nominale .....	Ø 8 mm
Temperatura ambiente .....	-10 °C ÷ +50 °C
Temperatura fluido .....	0 °C ÷ +40 °C
Lubrificazione .....	Non necessaria
Fluido .....	Aria filtrata
Temperatura nominale .....	+20 °C
Pressione nominale .....	6 bar

<b>VALVOLE ED ELETTROVALVOLE 5/2</b>	
Portata nominale .....	2200 NI/min
Valore conduttanza "C" .....	7,6 NI/s bar
Rapporto critico delle pressioni "b" .....	0,38

<b>VALVOLE ED ELETTROVALVOLE 5/3</b>	
Portata nominale .....	1800 NI/min
Valore conduttanza "C" .....	7,1 NI/s bar
Rapporto critico delle pressioni "b" .....	0,45

### CARATTERISTICHE VALVOLE PNEUMATICHE SVP2

<b>SVP2 52 100</b>	Pressione di pilotaggio nominale .....	4 bar (10 bar)
	Frequenza max nominale .....	16 Hz
	<b>Pressione di esercizio</b> .....	<b>2,5 ÷ 10 bar</b>

<b>SVP2 52 200</b>	Pressione di pilotaggio nominale .....	1,3 bar
	Frequenza max nominale .....	25 Hz
	<b>Pressione di esercizio</b> .....	<b>1,5 ÷ 10 bar</b>

<b>SVP2 53 260</b>	Pressione di pilotaggio nominale .....	3,2 bar
	Frequenza max nominale .....	8 Hz
	Frequenza max consigliata .....	5 Hz
	<b>Pressione di esercizio</b> .....	<b>3 ÷ 10 bar</b>

<b>SVP2 53 290</b>	Pressione di pilotaggio nominale .....	3,2 bar
	Frequenza max nominale .....	8 Hz
	Frequenza max consigliata .....	5 Hz
	<b>Pressione di esercizio</b> .....	<b>3 ÷ 10 bar</b>

### CARATTERISTICHE ELETTROVALVOLE SVE5

	AC	DC
<b>SVE2 52 100</b>	Frequenza max nominale .....	13 Hz 10 Hz
	Tempo medio di risposta in eccitazione .....	21 ms 24 ms
	Tempo medio di risp. in diseccitazione .....	36 ms 47 ms
	<b>Pressione di esercizio</b> .....	<b>2,5 ÷ 10 bar</b>

	AC	DC
<b>SVE2 52 200</b>	Frequenza max nominale .....	24 Hz 18 Hz
	Tempo medio di risposta in eccitazione .....	14 ms 17 ms
	Tempo medio di risp. in diseccitazione .....	14 ms 17 ms
	<b>Pressione di esercizio</b> .....	<b>1,5 ÷ 10 bar</b>

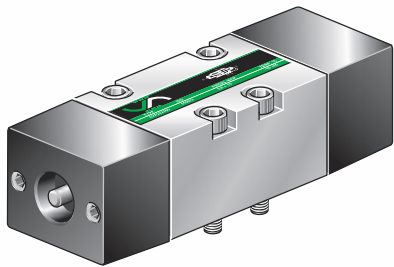
<b>SVE2 53 260</b>	Frequenza max nominale .....	8 Hz 8 Hz
	Frequenza max nominale consigliata .....	6 Hz 5 Hz
	Tempo medio di risposta in eccitazione .....	30 ms 35 ms
	Tempo medio di risp. in diseccitazione .....	35 ms 40 ms
	<b>Pressione di esercizio</b> .....	<b>3 ÷ 10 bar</b>

<b>SVE2 53 290</b>	Frequenza max nominale .....	8 Hz 8 Hz
	Frequenza max nominale consigliata .....	6 Hz 5 Hz
	Tempo medio di risposta in eccitazione .....	30 ms 35 ms
	Tempo medio di risp. in diseccitazione .....	35 ms 40 ms
	<b>Pressione di esercizio</b> .....	<b>3 ÷ 10 bar</b>

Caratteristiche elettriche bobina per elettrovalvole SVE5 con elettropilota CNOMO vedi pp. B-88.

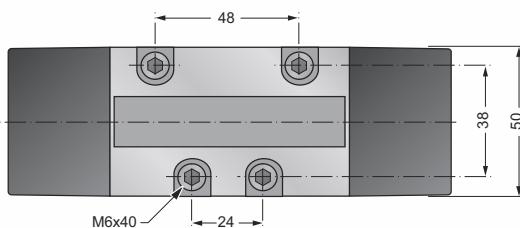
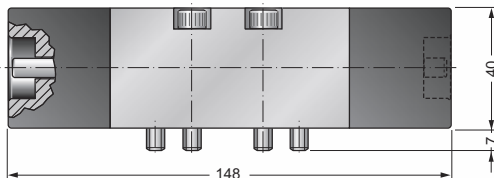
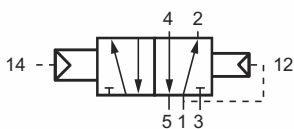


## SVP2 52 100

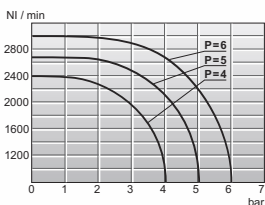


**VALVE / VALVOLA 5/2**  
SINGLE PNEUMATIC PILOT - INTERNAL PRESSURE RETURN  
COMANDO PNEUMATICO - RIPOSIZIONAMENTO MOLLA PNEUMATICA

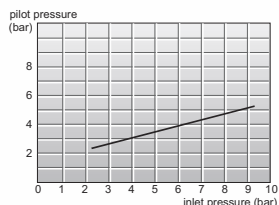
### SIMBOL / SIMBOLO



### DIAGRAMS / DIAGRAMMI

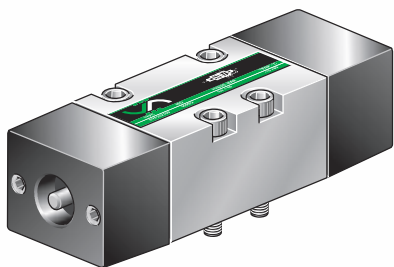


AIR FLOW DIAGRAM  
DIAGRAMMA DELLE PORTATE



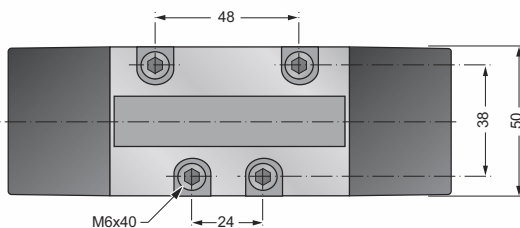
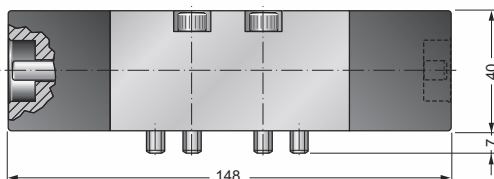
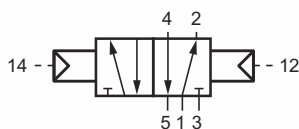
PILOT PRESSURE  
DIAGRAMMA DELLA PRESSIONE DI PILOTAGGIO

## SVP2 52 200

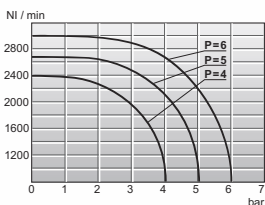


**VALVE / VALVOLA 5/2**  
DOUBLE PNEUMATIC PILOT  
DOPPIO COMANDO PNEUMATICO

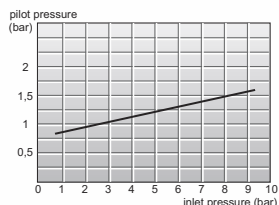
### SIMBOL / SIMBOLO



### DIAGRAMS / DIAGRAMMI



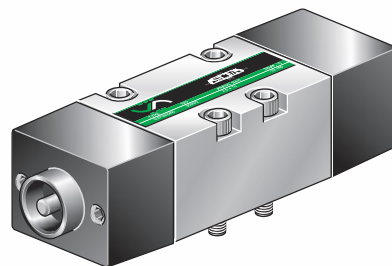
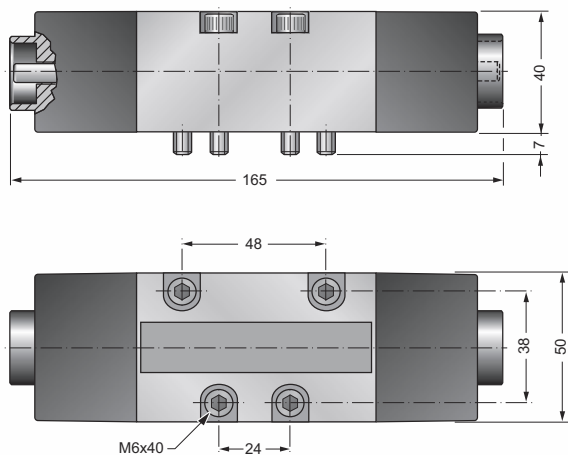
AIR FLOW DIAGRAM  
DIAGRAMMA DELLE PORTATE



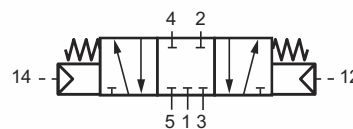
PILOT PRESSURE  
DIAGRAMMA DELLA PRESSIONE DI PILOTAGGIO

**VALVE / VALVOLA 5/3**  
 DOUBLE PNEUMATIC PILOT - CENTER POSITION CLOSED  
 DOPPIO COMANDO PNEUMATICO - CENTRI CHIUSI

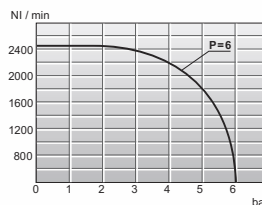
SVP2 53 260



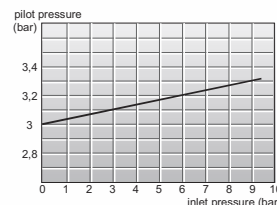
SIMBOL / SIMBOLO



DIAGRAMS / DIAGRAMMI



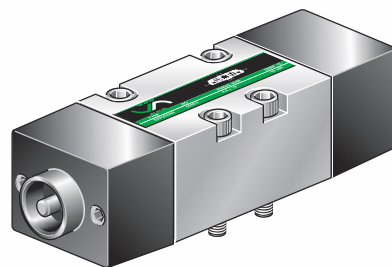
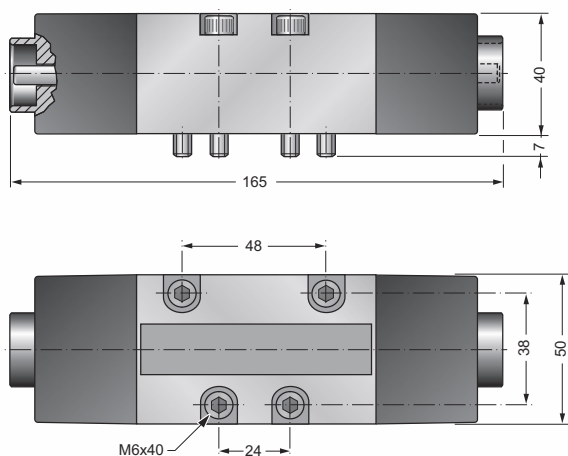
AIR FLOW DIAGRAM  
 DIAGRAMMA DELLE PORTATE



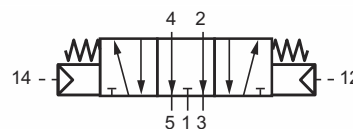
PILOT PRESSURE  
 DIAGRAMMA DELLA PRESSIONE DI PILOTAGGIO

**VALVE / VALVOLA 5/3**  
 DOUBLE PNEUMATIC PILOT - CENTER POSITION OPEN  
 DOPPIO COMANDO PNEUMATICO - CENTRI APERTI

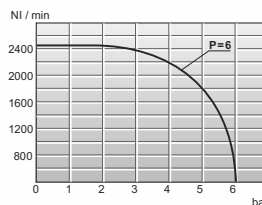
SVP2 53 290



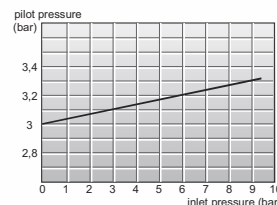
SIMBOL / SIMBOLO



DIAGRAMS / DIAGRAMMI



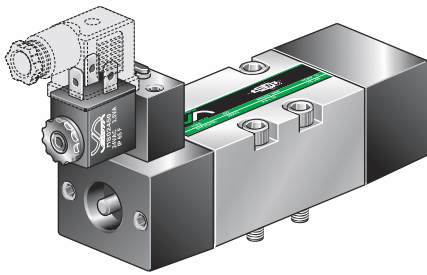
AIR FLOW DIAGRAM  
 DIAGRAMMA DELLE PORTATE



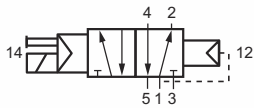
PILOT PRESSURE  
 DIAGRAMMA DELLA PRESSIONE DI PILOTAGGIO



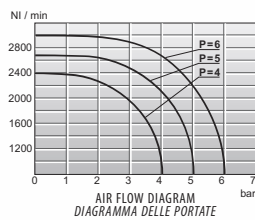
## SVE2 52 100 - .....



### SIMBOL / SIMBOLO



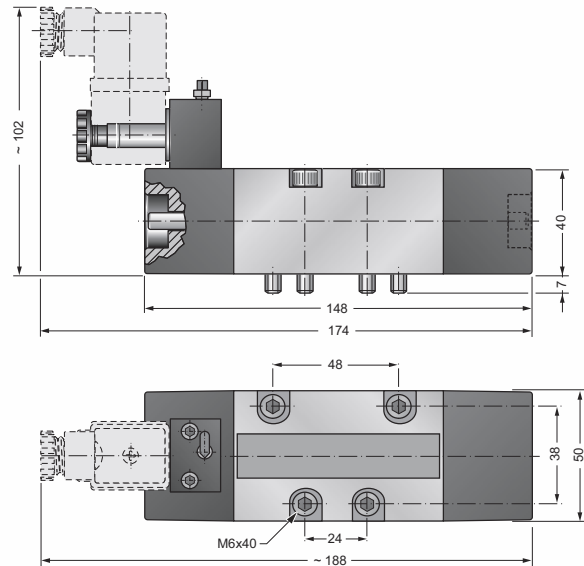
### DIAGRAM / DIAGRAMMA



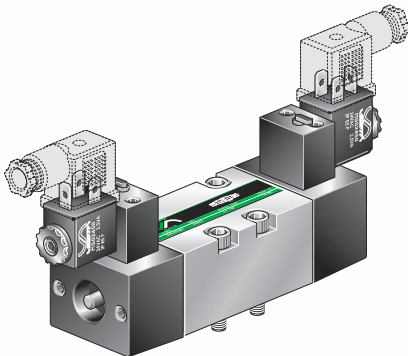
### CODES / CODICI

Ordination code Codice ordinazione	Voltage Tensione
SVE2 52 100-00000	No coil / Senza solenoide
SVE2 52 100-01200	12 V DC
SVE2 52 100-02400	24 V DC
SVE2 52 100-02450	24 V 50/60Hz AC
SVE2 52 100-11050	110 V 50/60Hz AC
SVE2 52 100-22050	220 V 50/60Hz AC

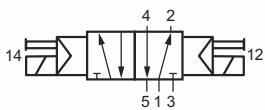
## SOLENOID VALVES / ELETTROVALVOLA 5/2 SOLENOID PILOT - INTERNAL PRESSURE RETURN COMANDO ELETTROPNEUMATICO - RIPOSIZIONAMENTO MOLLA PNEUMATICA



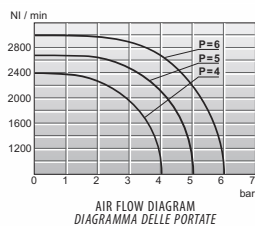
## SVE2 52 200 - .....



### SIMBOL / SIMBOLO



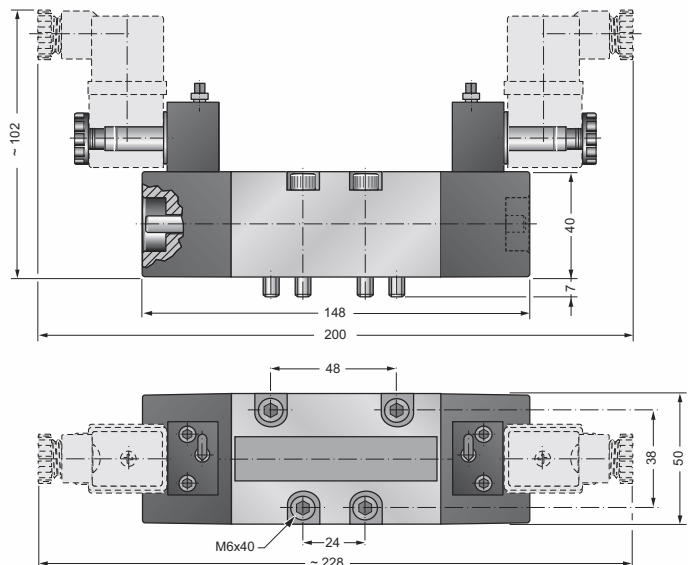
### DIAGRAM / DIAGRAMMA



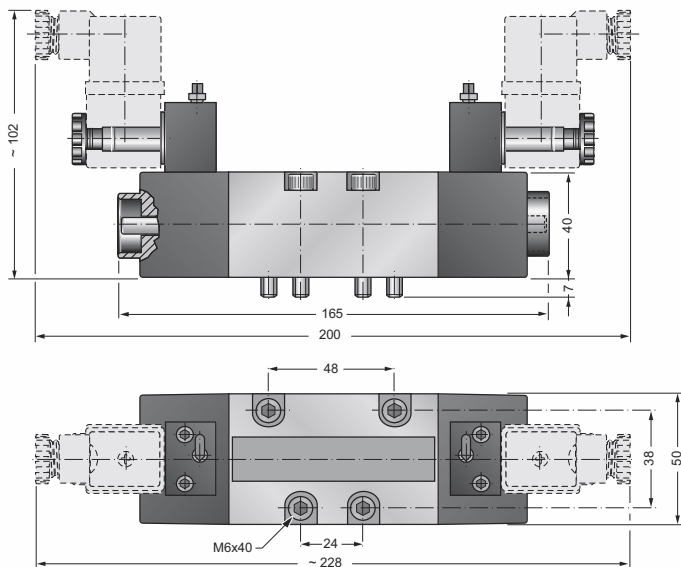
### CODES / CODICI

Ordination code Codice ordinazione	Voltage Tensione
SVE2 52 200-00000	No coils / Senza solenoide
SVE2 52 200-01200	12 V DC
SVE2 52 200-02400	24 V DC
SVE2 52 200-02450	24 V 50/60Hz AC
SVE2 52 200-11050	110 V 50/60Hz AC
SVE2 52 200-22050	220 V 50/60Hz AC

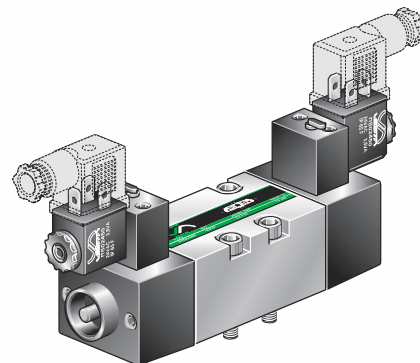
## SOLENOID VALVES / ELETTROVALVOLA 5/2 DOUBLE SOLENOID PILOT DOPPIO COMANDO ELETTROPNEUMATICO



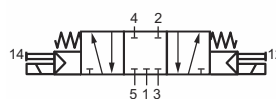
**SOLENOID VALVES / ELETTRORVALVOLA 5/3**  
 DOUBLE SOLENOID PILOT - CENTER POSITION CLOSED  
 DOPPIO COMANDO ELETTROPNEUMATICO - CENTRI CHIUSI



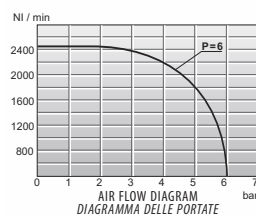
**SVE2 53 260 - ....**



**SIMBOL / SIMBOLO**



**DIAGRAM / DIAGRAMMA**



**CODES / CODICI**

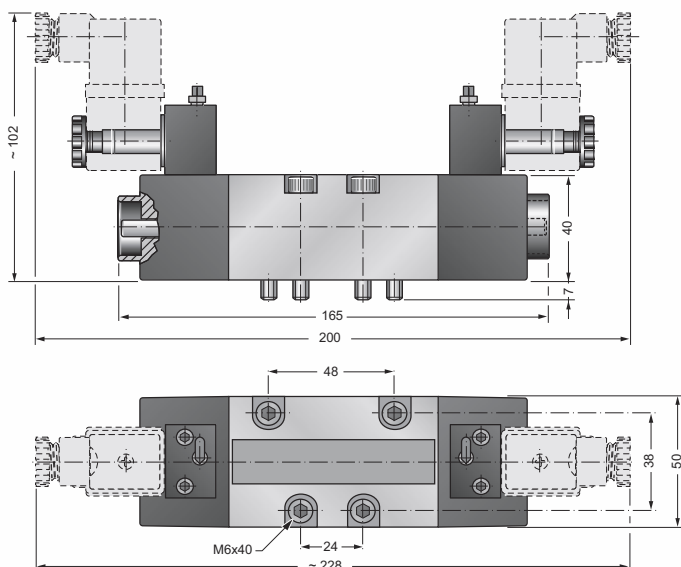
**Ordination code  
Codice ordinazione**

- SVE2 53 260-00000 .....
- SVE2 53 260-01200 .....
- SVE2 53 260-02400 .....
- SVE2 53 260-02450 .....
- SVE2 53 260-11050 .....
- SVE2 53 260-22050 .....

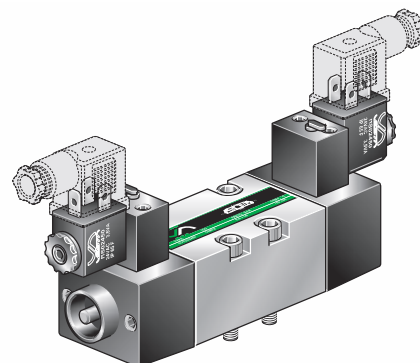
**Voltage  
Tensione**

- No coils / Senza solenoidi
- 12 V DC
- 24 V DC
- 24 V 50/60Hz AC
- 110 V 50/60Hz AC
- 220 V 50/60Hz AC

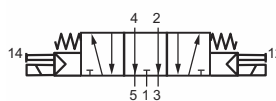
**SOLENOID VALVES / ELETTRORVALVOLA 5/3**  
 DOUBLE SOLENOID PILOT - CENTER POSITION OPEN  
 DOPPIO COMANDO ELETTROPNEUMATICO - CENTRI APERTI



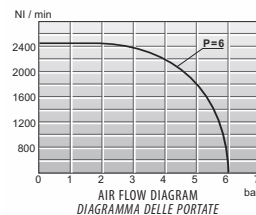
**SVE2 53 290 - ....**



**SIMBOL / SIMBOLO**



**DIAGRAM / DIAGRAMMA**



**CODES / CODICI**

**Ordination code  
Codice ordinazione**

- SVE2 53 290-00000 .....
- SVE2 53 290-01200 .....
- SVE2 53 290-02400 .....
- SVE2 53 290-02450 .....
- SVE2 53 290-11050 .....
- SVE2 53 290-22050 .....

**Voltage  
Tensione**

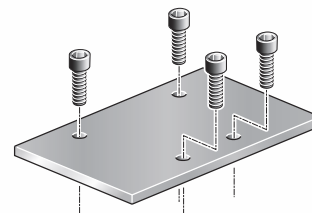
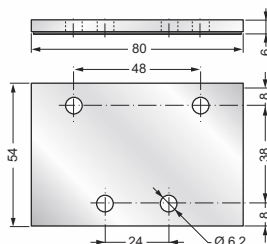
- No coils / Senza solenoidi
- 12 V DC
- 24 V DC
- 24 V 50/60Hz AC
- 110 V 50/60Hz AC
- 220 V 50/60Hz AC





PLUG FLAT  
CHIUSURA POSTO INUTILIZZATO

PCBM 2

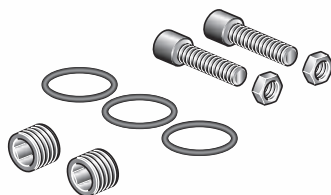


- Supplied with fixing screws.

- La piastrina di chiusura del posto inutilizzato viene fornita con le viti per il fissaggio sulla base.

ASSEMBLING KIT  
KIT DI RICAMBIO

KM 2

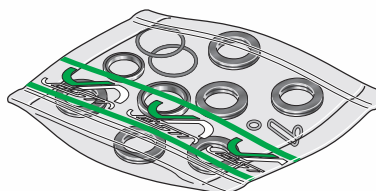


- **KM 2** supplied with **BMI 2** and **BTI 2**,  
- Supplied separately on demand.

- Il kit **KM 2** viene fornito con le basi **BMI 2** e **BTI 2**,  
- A richiesta può essere fornito come ricambio.

SEALS KIT  
KIT GUARNIZIONI DI RICAMBIO

SET . 1/2 SG



Seals kit code - Codice del kit

**SET 1 1/2 SG:** for ISO 2 **mono-stable** valves - per valvole **monostabili** ISO 2.

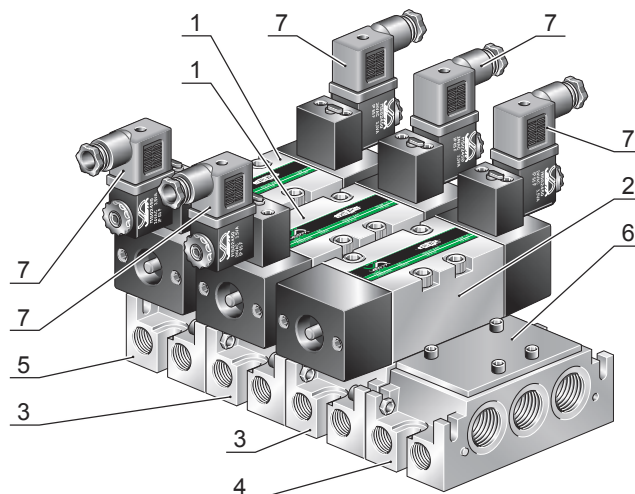
**SET 2 1/2 SG:** for ISO 2 **bi-stable** valves - per valvole **bistabili** ISO 2.

Example / Esempio: **SVE2 52 100 -02400** → **SET 1 1/2 SG**  
**SVE2 52 200 -02400** → **SET 2 1/2 SG**

HOW TO ASSEMBLE A SIZE 2 MANIFOLD / ESEMPIO DI ASSEMBLAGGIO BATTERIA TAGLIA 2

Components needed to assemble the manifold in figure.  
Esempio di componenti necessari a realizzare la batteria raffigurata.

Pos. Posizione	Quantity Quantità	Code Codice ordinazione
1 .....	N° 2 .....	<b>SVE2 52 200 - 02450</b>
2 .....	N° 1 .....	<b>SVE2 52 100 - 02450</b>
3 .....	N° 2 .....	<b>BMI 2</b>
4 .....	N° 1 .....	<b>BTI 2</b>
5 .....	N° 1 .....	<b>BTC 2</b>
6 .....	N° 1 .....	<b>PCBM 2</b>
7 .....	N° 5 .....	<b>CEP/1</b>





## DIRECT ACTUATED VALVES 3/2 NC G1/8 - ELETTROVALVOLE A COMANDO DIRETTO 3/2 NC G1/8

**MBE - 8 - - - - -**

Number of station valves  
Numero posti  
**2, 4, 6, .....**, 16

**M** with manual control  
con controllo manuale  
(Standard without manual control  
Standard senza controllo manuale)

Coil / Solenoide: (see / vedere P.)  
**00000** .. No coil / Senza solenoide  
**01200** .. 12 V DC  
**02400** .. 24 V DC  
**02450** .. 24 V 50/60Hz AC  
**11050** .. 110 V 50/60Hz AC  
**22050** .. 220 V 50/60Hz AC

For versions only 5 Watt coil.  
Per versioni solo solenoide 5 Watt.

**NC** Normally closed  
Normalmente chiusa  
**NO** Normally open  
Normalmente aperta

### TECHNICAL FEATURES

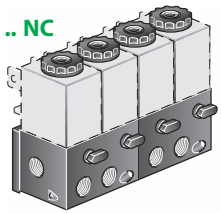
Flow section .....	Ø1,2mm
Nominal Flow .....	80NI/min
Working pressure .....	0-9bar
Environment temperature range .....	-10 °C ÷ +50 °C
Temperature range of medium .....	0 °C ÷ +40 °C
Solenoids .....	Refer to <b>MS</b> series page B-36

### CARATTERISTICHE TECNICHE

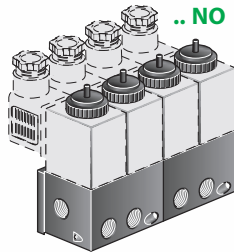
Diametro nominale .....	Ø1,2mm
Portata nominale .....	80NI/min
Pressione esercizio .....	0-9bar
Temperatura ambiente .....	-10 °C ÷ +50 °C
Temperatura fluido .....	0 °C ÷ +40 °C
Solenoide .....	Vedere <b>MS</b> pag. B-36

## MBE- . 8- . . . . .

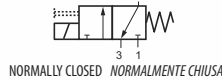
DIRECT ACTING SOLENOID VALVES 3/2 G1/8 - MANIFOLD  
ELETTROVALVOLE A COMANDO DIRETTO 3/2 G1/8 IN BATTERIA



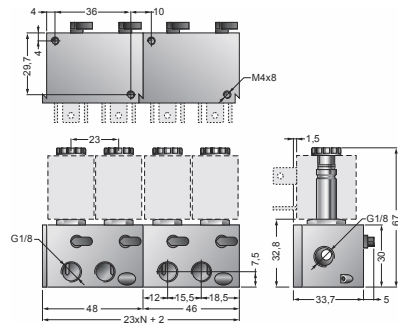
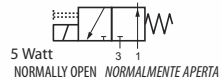
WITH MANUAL OVERRIDE  
CON CONTROLLO MANUALE



**MBE-8-.....-NC**



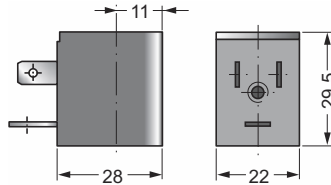
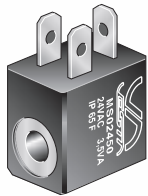
**MBE-8-.....-NO (#)**



N° Numbers of base-plate  
Numero di posti della base

## MS .....

COIL  
SOLENOIDE



### CODES / CODICI

Ordination code Codice ordinazione	Voltage Tensione
<b>MS01200</b> .....	12 V DC
<b>MS02400</b> .....	24 V DC
<b>MS02450</b> .....	24 V 50/60Hz AC
<b>MS11050</b> (*) .....	110 V 50/60Hz AC
<b>MS22050</b> (*) .....	220 V 50/60Hz AC

(\*) Please see page / Vedi pag. B-37

### TECHNICAL FEATURES

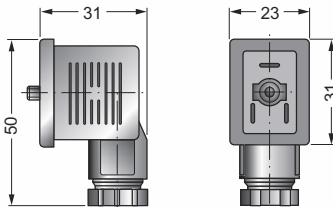
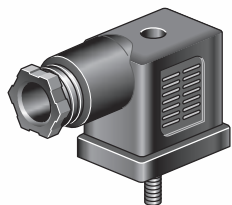
Standard voltage .....	12, 24 V DC 24, 110, 220 V AC (50/60 Hz)
Solenoid characteristics .....	2,5 Watt in DC; 3,5 VA in AC
Tension .....	± 10%
Ambient temperature range .....	-20 °C ÷ +50 °C
Degree of .....	Class F
Exopy .....	Incapsulated

### CARATTERISTICHE TECNICHE

Tensione standard .....	12, 24 V DC 24, 110, 220 V AC (50/60 Hz)
Prestazioni bobina .....	2,5 Watt in DC; 3,5 VA in AC
Tensione nominale .....	± 10% a bobina calda
Limiti di temperatura ambiente .....	-20 °C ÷ +50 °C
Protezione .....	IP 65 secondo IEC 144 con connettore e guarnizioni montate
Bobina .....	Classe F, Filo rame classe 200 °C
Sovrastampatura .....	Resina epossidica

## CEP-1 .....

SOLENOID CONNECTOR  
CONNETTORE



### CODES / CODICI

Description Descrizione	Code Codice	Tension Tensione
Universal connector Connettore universale	<b>CEP-1</b>	All tension Tutte le tensioni
Connector with led Connettore con led	<b>CEP-1 L 10 / 50</b> <b>CEP-1 L 70 / 250</b>	10/50 V AC / DC 70/250 V AC / DC
Connector with led and varistor Connettore con led e varistore	<b>CEP-1 LV 24</b> <b>CEP-1 LV 110</b> <b>CEP-1 LV 220</b>	24 V AC / DC 110 V AC / DC 220 V AC / DC

### TECHNICAL FEATURES

Wire connection .....	With screwed terminals
Gland thread .....	PG 9
Number of poles .....	2 Poles + earth
Housing colour .....	Black, transparent in the led version.

### CARATTERISTICHE TECNICHE

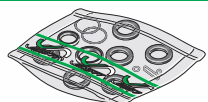
Connessione cavi .....	Con morsetti a vite
Filettatura passacavo .....	PG 9
N° Poli .....	2 Poli + terra
Colori connettore .....	Nero, trasparente nelle versioni con led.

## SET . 1/2 SG

SEALS KIT  
KIT GUARNIZIONI DI RICAMBIO

Seals kit code - Codice del kit

**SET 1 1/2 SG:** for G1/2 **mono-stable** valves - per valvole **monostabili** G1/2.  
**SET 2 1/2 SG:** for G1/2 **bi-stable** valves - per valvole **bistabili** G1/2.



Example / Esempio: **E52W15M12-02400** → **SET 1 1/2 SG**      **E52W2S012-02400** → **SET 2 1/2 SG**