

BUILDING FEATURES / CARATTERISTICHE COSTRUTTIVE

VESTA valves and solenoid valves with connections **G1/8, G1/4** and **G1/2** are available in the **3/2, 5/2** and **5/3** versions, with different forms of actuation (i.e. solenoid /pilot etc).

The choice of high quality materials and the technical solution adopted allows to the 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**), reduce internal friction (see fig. **C**) and provides the valve with a long lasting durable life span.

Valves and Solenoid valves with connections **G1/8; G1/4** and **G1/2** can operate continuously without lubrication (see fig. **E**) and are sealed against working environment (see fig. **F**) and are sealed against working environment.

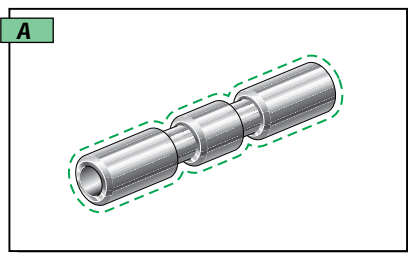
*Le valvole ed elettrovalvole VESTA con connessioni **G1/8; G1/4** e **G1/2** sono disponibili nelle versioni **3/2, 5/2** e **5/3** con più sistemi di attuazione e riposizionamento.*

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.*

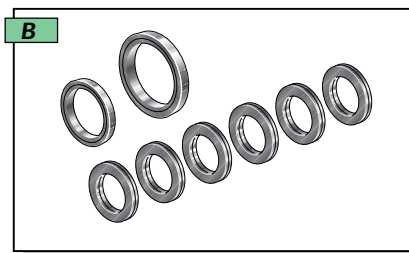
*La combinazione tra la spola e le guarnizioni in elastomero nitrilico con profilo del labbro antiusura (**B**), permette, accanto ad una riduzione degli attriti, un'alta velocità di scambio e cicli di lavoro elevati (**C**), garantendo una maggiore durata della meccanica interna.*

*Tutti i modelli di valvole con connessioni **G1/8; G1/4** e **G1/2** 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.*



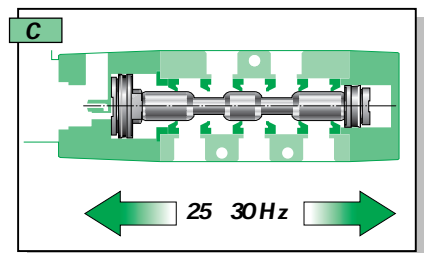
Light alloy spool with Niploy Process treated surface.

Spola in lega leggera con trattamento superficiale Niploy Process.



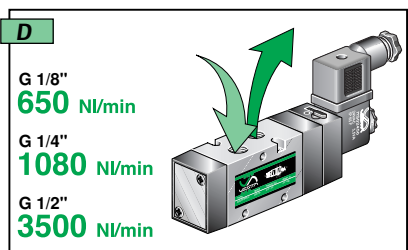
Self lubricating lip rubber seals.

Guarnizioni in elastomero nitrilico con profilo del labbro antiusura.



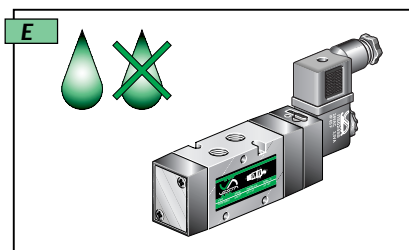
High working frequency.

Alta velocità di scambio per cicli di lavoro elevati.



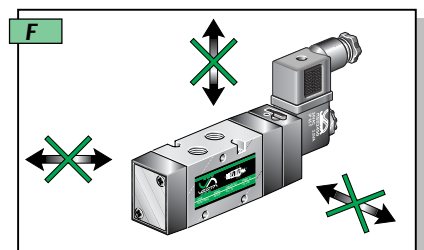
High nominal air flow.

Alta portata nominale.



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.

WORKING PRINCIPLE / PRINCIPIO DI FUNZIONAMENTO

In the example here below, when the 5/2 valve **E52W1S018 - 02450** stands in the normal position, ports **4 - 5** and **1- 2** are connected and the position is kept thanks to the pressure assured to the smallest piston (right side of the valve). When the valve is actuated, the same pressure is fed to the biggest piston. It's bigger surface create a force which allows to the spool to move and therefore to connect ports **4 - 1** and **2 - 3**.

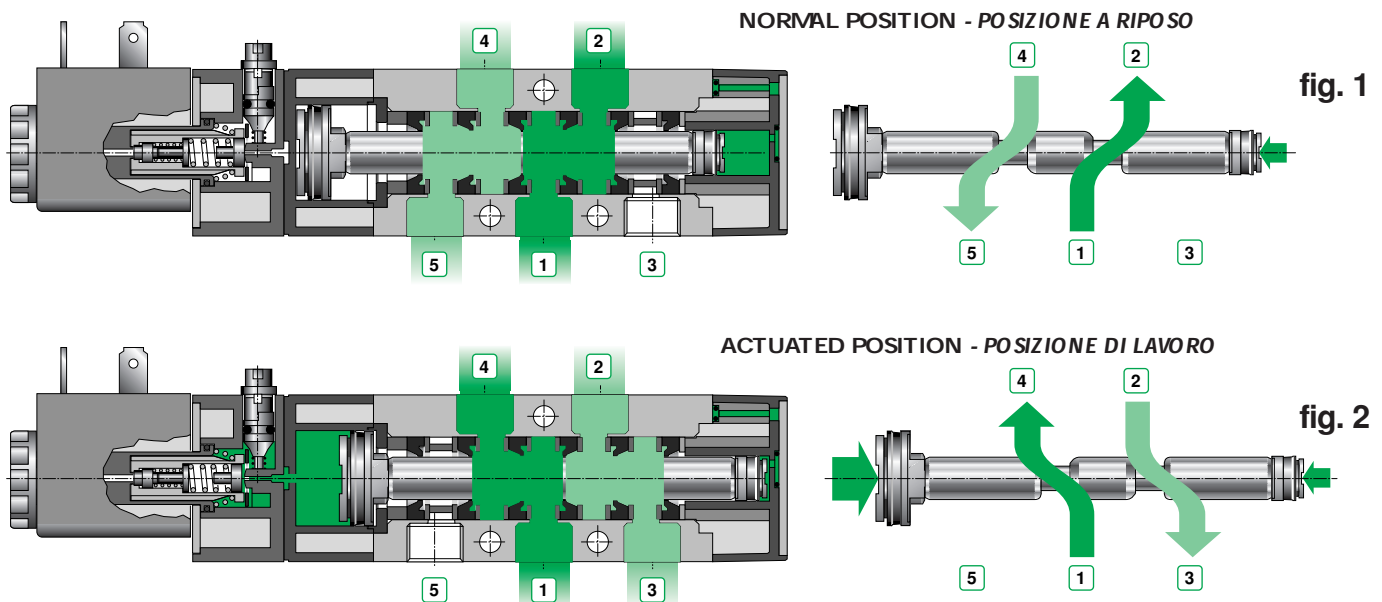
In the mechanical spring version, the valve is kept in the normal position by a mechanical spring.

In the bistable versions, the position of the valve remains in its last switched state.

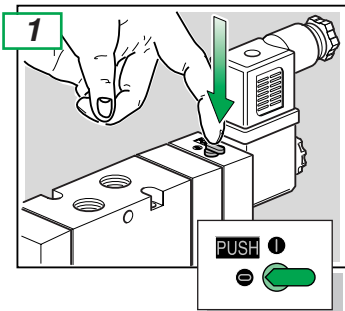
*Il principio di funzionamento del distributore 5/2 (nell'esempio la valvola a comando elettropneumatico e riposizionamento a molla pneumatica **E52W1S018 - 02450**) consiste nel mantenere costantemente in pressione il pistone di riposizionamento (fig. 1), utilizzando la fonte d'aria compressa presente nel condotto di alimentazione **1**, collegando le vie **1- 2** e **4 - 5**.*

*L'eccitazione del solenoide mette in comunicazione il condotto in pressione **1** con la camera dove è alloggiato il pistone di comando. Quest'ultimo, avendo un'area di spinta maggiore del pistone di riposizionamento, sposta la spola in modo tale da collegare i canali **1- 4** e **2- 3** (fig. 2). Diseccitando il solenoide si ripristina la posizione iniziale.*

Nei sistemi bistabili (doppio comando elettropneumatico o doppio comando pneumatico) in assenza di segnale rimangono i collegamenti dell'ultimo azionamento.

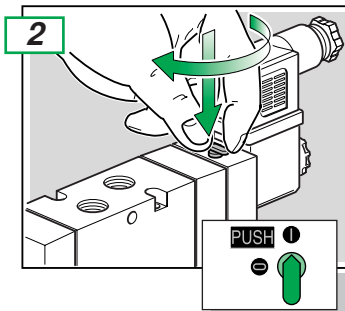


MANUAL OVERRIDING / AZIONAMENTO COMANDO MANUALE



Push to actuated valve without locking. **Raise the button to get back to normal position.**

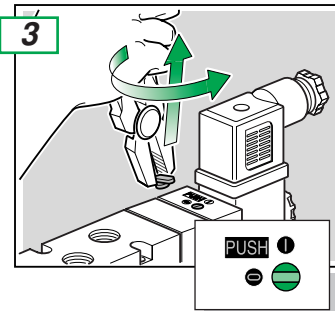
Per azionare la valvola, durante la fase di collaudo con pressione in linea senza collegamento elettrico, premere la leva del comando manuale. **Rilasciare per ripristinare la condizione di riposo.**



To active the valve permanently push the M/O (manual override) and rotate clockwise 90°.

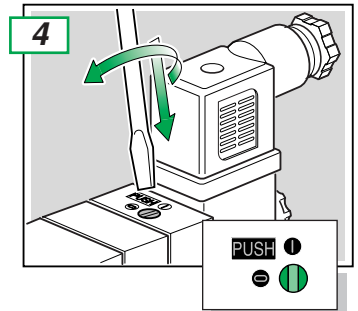
To return to normal position, push the M/O again and turn 90° anticlockwise.

Per azionare la valvola in modo permanente premere la leva del comando manuale e ruotare in senso orario sino alla posizione 1. **Ruotare in senso antiorario per ripristinare la condizione di riposo.**



Should the MO no longer be required, then turn the MO anticlockwise until it breaks off.

Terminato il collaudo ruotare in senso antiorario la leva sino alla rottura.



Should the MO be required after breaking off, then a screwdriver may be used.

Per interventi successivi sul comando manuale usare un adeguato cacciavite ed operare come al punto 1 o 2.



SERIE **G1/8, G1/4, G1/2**

**VALVES AND SOLENOID VALVES "E" SERIES
VALVOLE ED ELETTROVALVOLE SERIE "E"**

COMMON FEATURES VALVES G1/8 SERIES / CARATTERISTICHE COMUNI VALVOLE SERIE G1/8

G1/8

Port connections	G1/8
Pilot connections	G1/8
Flow section	Ø 6 mm
Environment temperature range	-10 °C ÷ +50 °C
Temperature range of medium	0 °C ÷ +40 °C
Lubrication	Not required
Medium	Filtered air
Reference temperature	+20 °C
Reference pressure	6 bar

3/2 VALVES AND SOLENOID VALVES

Fixing.....	n° 3 holes Ø 4,25 manifold system see p. 26.
Nominal air flow	650 Nl/min
Fluid conductance "C"	2,7 Nl/s bar
Critical pressure ratio "b"	0,203

5/2 VALVES AND SOLENOID VALVES

Fixing.....	n° 3 holes Ø 4,25 manifold system pp. 24 ÷ 26.
Nominal air flow.....	650 Nl/min
Fluid conductance "C"	2,7 Nl/s bar
Critical pressure ratio "b"	0,203

5/3 VALVES AND SOLENOID VALVES

Fixing.....	n° 3 holes Ø 4,25 manifold system pp. 24 ÷ 26.
Nominal air flow.....	530 Nl/min
Fluid conductance "C"	2,17 Nl/s bar
Critical pressure ratio "b"	0,236

Connessioni di lavoro.....	G1/8
Connessioni operatori.....	G1/8
Diametro nominale.....	Ø 6 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

VALVOLE ED ELETTROVALVOLE 3/2

Fissaggio.....	n° 3 fori laterali Ø 4,25 su collettore vedi p. 26
Portata nominale.....	650 Nl/min
Valore conduttanza "C"	2,7 Nl/s bar
Rapporto critico delle pressioni "b"	0,203

VALVOLE ED ELETTROVALVOLE 5/2

Fissaggio	n° 3 fori laterali Ø 4,25 su base vedi pp. 24 ÷ 25
Portata nominale	650 Nl/min
Valore conduttanza "C"	2,7 Nl/s bar
Rapporto critico delle pressioni "b"	0,203

VALVOLE ED ELETTROVALVOLE 5/3

Fissaggio	n° 3 fori laterali Ø 4,25 su collettore vedi p. 26
Portata nominale	530 Nl/min
Valore conduttanza "C"	2,17 Nl/s bar
Rapporto critico delle pressioni "b"	0,236

VALVES AND SOLENOID VALVES G1/4 SERIES / VALVOLE ED ELETTROVALVOLE SERIE G1/4

G1/4

Port connections	G1/4
Pilot connections	G1/8
Flow section	Ø 8 mm
Environment temperature range	-10 °C ÷ +50 °C
Temperature range of medium	0 °C ÷ +40 °C
Lubrication	Not required
Medium	Filtered air
Reference temperature	+20 °C
Reference pressure	6 bar

3/2 VALVES AND SOLENOID VALVES

Fixing.....	n° 3 holes Ø 4,25 manifold system see p. 27.
Nominal air flow	1080 Nl/min
Fluid conductance "C"	4,34 Nl/s bar
Critical pressure ratio "b"	0,212

5/2 VALVES AND SOLENOID VALVES

Fixing.....	n° 3 holes Ø 4,25 manifold system pp. 24 ÷ 25, 27.
Nominal air flow.....	1080 Nl/min
Fluid conductance "C"	4,34 Nl/s bar
Critical pressure ratio "b"	0,212

5/3 VALVES AND SOLENOID VALVES

Fixing.....	n° 3 holes Ø 4,25 manifold system pp. 24 ÷ 25, 27.
Nominal air flow.....	800 Nl/min
Fluid conductance "C"	3,22 Nl/s bar
Critical pressure ratio "b"	0,265

Connessioni di lavoro.....	G1/4
Connessioni operatori.....	G 1/8
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

VALVOLE ED ELETTROVALVOLE 3/2

Fissaggio.....	n° 3 fori laterali Ø 4,25 su collettore vedi p. 27
Portata nominale.....	1080 Nl/min
Valore conduttanza "C"	4,34 Nl/s bar
Rapporto critico delle pressioni "b"	0,212

VALVOLE ED ELETTROVALVOLE 5/2

Fissaggio	n° 3 fori laterali Ø 4,25 su base vedi pp. 24 ÷ 25
Portata nominale	1080 Nl/min
Valore conduttanza "C"	4,34 Nl/s bar
Rapporto critico delle pressioni "b"	0,212

VALVOLE ED ELETTROVALVOLE 5/3

Fissaggio	n° 3 fori laterali Ø 4,25 su collettore vedi p. 27
Portata nominale	800 Nl/min
Valore conduttanza "C"	3,22 Nl/s bar
Rapporto critico delle pressioni "b"	0,265

VALVES AND SOLENOID VALVES G1/2 SERIES / VALVOLE ED ELETTROVALVOLE SERIE G1/2

G1/2

Port connections	G1/2
Pilot connections	G1/8
Flow section	Ø 15 mm
Environment temperature range	-10 °C ÷ +50 °C
Temperature range of medium	0 °C ÷ +40 °C
Lubrication	Not required
Medium	Filtered air
Reference temperature	+20 °C
Reference pressure	6 bar

3/2 VALVES AND SOLENOID VALVES

Fixing.....	n° 3 holes Ø 5,5
Nominal air flow	3500 Nl/min
Fluid conductance "C"	12,88 Nl/s bar
Critical pressure ratio "b"	0,393

5/2 VALVES AND SOLENOID VALVES

Fixing.....	n° 3 holes Ø 5,5
Nominal air flow.....	3500 Nl/min
Fluid conductance "C"	12,88 Nl/s bar
Critical pressure ratio "b"	0,396

5/3 VALVES AND SOLENOID VALVES

Fixing.....	n° 3 holes Ø 5,5
Nominal air flow.....	3000 Nl/min
Fluid conductance "C"	10,76 Nl/s bar
Critical pressure ratio "b"	0,42

Connessioni di lavoro.....	G1/2
Connessioni operatori.....	G 1/8
Diametro nominale.....	Ø 15 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

VALVOLE ED ELETTROVALVOLE 3/2

Fissaggio.....	n° 3 fori laterali Ø 5,5
Portata nominale.....	3500 Nl/min
Valore conduttanza "C"	12,88 Nl/s bar
Rapporto critico delle pressioni "b"	0,393

VALVOLE ED ELETTROVALVOLE 5/2

Fissaggio	n° 3 fori laterali Ø 5,5
Valore conduttanza "C"	12,88 Nl/s bar
Rapporto critico delle pressioni "b"	0,396

VALVOLE ED ELETTROVALVOLE 5/3

Fissaggio	n° 3 fori laterali Ø 5,5
Portata nominale	800 Nl/min
Valore conduttanza "C"	3,22 Nl/s bar
Rapporto critico delle pressioni "b"	0,265

PNEUMATIC VALVES FEATURES / CARATTERISTICHE VALVOLE PNEUMATICHE

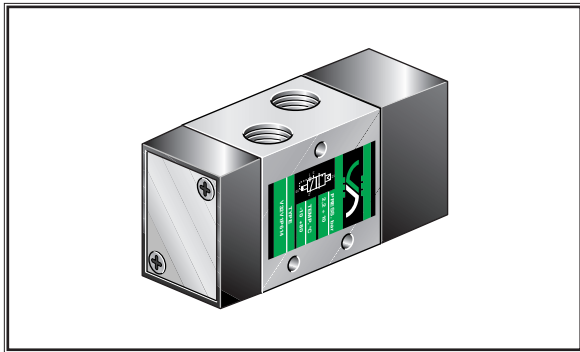
Size Taglia	Code Codice	Nominal pilot pressure (bar) Pressione di pilotaggio nominale (bar)		Nominal max frequency (Hz) Frequenza max nominale (Hz)		Operating pressure range (bar) Pressione di esercizio (bar)	
G 1/8"	V32V1P618	4,5 bar (10 bar)		31 Hz		2,2 ÷ 10 bar	
	V32V1P918	4,5 bar (10 bar)		31 Hz		2,2 ÷ 10 bar	
	V32V1P6M8	2,7 bar		13 Hz		1,5 ÷ 10 bar	
	V32V1P9M8	2,7 bar		13 Hz		1,5 ÷ 10 bar	
	V32V2P018	1,3 bar		43 Hz		1,2 ÷ 10 bar	
	V52V1P018	4,5 bar (10 bar)		30 Hz		2,5 ÷ 10 bar	
	V52V1PM18	2,7 bar		13 Hz		1,5 ÷ 10 bar	
	V52V2P018	1,3 bar		42 Hz		1,5 ÷ 10 bar	
	V52V2PD18	1,3 bar		42 Hz		1,5 ÷ 10 bar	
	V53V2P618	3,2 bar		9 Hz		1,5 ÷ 10 bar	
	V53V2P918	3,2 bar		9 Hz		1,5 ÷ 10 bar	
	G 1/4"	V32V1P614	4 bar (10 bar)		22 Hz		2,2 ÷ 10 bar
V32V1P914		4 bar (10 bar)		22 Hz		2,2 ÷ 10 bar	
V32V1P6M4		2,85 bar		11 Hz		1,5 ÷ 10 bar	
V32V1P9M4		2,85 bar		11 Hz		1,5 ÷ 10 bar	
V32V2P014		1,3 bar		31 Hz		1,2 ÷ 10 bar	
V52V1P014		4 bar (10 bar)		21 Hz		2,5 ÷ 10 bar	
V52V1PM14		2,85 bar		10 Hz		1,5 ÷ 10 bar	
V52V2P014		1,3 bar		30 Hz		1,5 ÷ 10 bar	
V52V2PD14		1,3 bar		30 Hz		1,5 ÷ 10 bar	
V53V2P614		3,6 bar		8 Hz		1,5 ÷ 10 bar	
V53V2P914		3,6 bar		8 Hz		1,5 ÷ 10 bar	
G 1/2"		V32V1P612	4 bar (10 bar)		12 Hz		2,2 ÷ 10 bar
	V32V1P912	4 bar (10 bar)		12 Hz		2,2 ÷ 10 bar	
	V32V1P6M2	2,85 bar		8 Hz		1,5 ÷ 10 bar	
	V32V1P9M2	2,85 bar		8 Hz		1,5 ÷ 10 bar	
	V32V2P012	1,3 bar		14 Hz		1,2 ÷ 10 bar	
	V52V1P012	4 bar (10 bar)		12 Hz		2,5 ÷ 10 bar	
	V52V1PM12	2,85 bar		7 Hz		1,5 ÷ 10 bar	
	V52V2P012	1,3 bar		13 Hz		1,5 ÷ 10 bar	
	V53V2P612	3,2 bar		6 Hz		1,5 ÷ 10 bar	
	V53V2P912	3,2 bar		6 Hz		1,5 ÷ 10 bar	

SOLENOID VALVES FEATURES / CARATTERISTICHE ELETTROVALVOLE

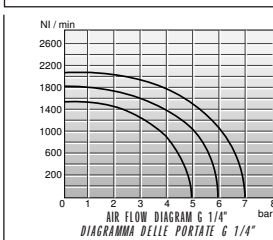
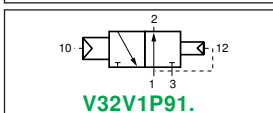
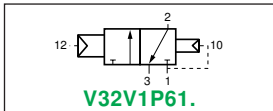
Size Taglia	Code Codice	Average actining response (ms)		Average disactioning response (ms)		Nominal max frequency (Hz)		Operating pressure range (bar) Pressione di esercizio (bar)
		Tempo medio di risposta in eccitazione (ms)		Tempo medio di risposta in diseccitazione (ms)		Frequenza max nominale (Hz)		
		AC	DC	AC	DC	AC	DC	
G 1/8"	E32W1S618	17 ms	19 ms	20 ms	24 ms	29 Hz	18 Hz	2,2 ÷ 10 bar
	E32W1S918	17 ms	19 ms	20 ms	24 ms	29 Hz	18 Hz	2,2 ÷ 10 bar
	E32W1S6M8	17 ms	19 ms	21 ms	34 ms	13 Hz	13 Hz	3,2 ÷ 10 bar
	E32W1S9M8	17 ms	19 ms	21 ms	34 ms	13 Hz	13 Hz	3,2 ÷ 10 bar
	E32W2S018	10 ms	12 ms	10 ms	12 ms	31 Hz	23 Hz	1,2 ÷ 10 bar
	E52W1S018	10 ms	17 ms	20 ms	24 ms	29 Hz	17 Hz	2,5 ÷ 10 bar
	E52W1SM18	17 ms	19 ms	21 ms	34 ms	13 Hz	13 Hz	3,2 ÷ 10 bar
	E52W2S018	10,5 ms	12,5 ms	10,5 ms	12,5 ms	31 Hz	22 Hz	1,5 ÷ 10 bar
	E53W2S618	16 ms	19 ms	16 ms	19 ms	9 Hz	9 Hz	3 ÷ 10 bar
	E53W2S918	16 ms	19 ms	16 ms	19 ms	9 Hz	9 Hz	3 ÷ 10 bar
G 1/4"	E32W1S614	18 ms	21 ms	33 ms	44 ms	17 Hz	14 Hz	2,2 ÷ 10 bar
	E32W1S914	18 ms	21 ms	33 ms	44 ms	17 Hz	14 Hz	2,2 ÷ 10 bar
	E32W1S6M4	19 ms	21 ms	35 ms	46 ms	11 Hz	11 Hz	2,5 ÷ 10 bar
	E32W1S9M4	19 ms	21 ms	35 ms	46 ms	11 Hz	11 Hz	2,5 ÷ 10 bar
	E32W2S014	11 ms	14 ms	11 ms	14 ms	27 Hz	22 Hz	1,2 ÷ 10 bar
	E52W1S014	18 ms	21 ms	33 ms	44 ms	16 Hz	13 Hz	2,5 ÷ 10 bar
	E52W1SM14	19 ms	21 ms	35 ms	46 ms	11 Hz	11 Hz	2,5 ÷ 10 bar
	E52W2S014	11 ms	14 ms	11 ms	14 ms	27 Hz	21 Hz	1,5 ÷ 10 bar
	E53W2S614	17 ms	20 ms	17 ms	20 ms	8 Hz	8 Hz	3 ÷ 10 bar
	E53W2S914	17 ms	20 ms	17 ms	20 ms	8 Hz	8 Hz	3 ÷ 10 bar
G 1/2"	E32W1S612	43 ms	45 ms	55 ms	55 ms	13 Hz	12 Hz	2,2 ÷ 10 bar
	E32W1S912	43 ms	45 ms	55 ms	55 ms	13 Hz	12 Hz	2,2 ÷ 10 bar
	E32W1S6M2	47 ms	49 ms	60 ms	60 ms	8 Hz	8 Hz	2,5 ÷ 10 bar
	E32W1S9M2	47 ms	49 ms	60 ms	60 ms	8 Hz	8 Hz	2,5 ÷ 10 bar
	E32W2S012	22 ms	26 ms	22 ms	26 ms	16 Hz	15 Hz	1,2 ÷ 10 bar
	E52W1S012	47 ms	49 ms	58 ms	58 ms	11 Hz	10 Hz	2,5 ÷ 10 bar
	E52W1SM12	47 ms	49 ms	60 ms	60 ms	8 Hz	8 Hz	2,5 ÷ 10 bar
	E52W2S012	24 ms	28 ms	24 ms	28 ms	14 Hz	13 Hz	1,5 ÷ 10 bar
	E53W2S612	49 ms	49 ms	60 ms	60 ms	6 Hz	6 Hz	3 ÷ 10 bar
	E53W2S912	49 ms	49 ms	60 ms	60 ms	6 Hz	6 Hz	3 ÷ 10 bar

For electrical features solenoid pilot see pp. B-29 and B-31.
Caratteristiche elettriche elettrovalvole per solenoide vedi pp. B-29 e B-31.

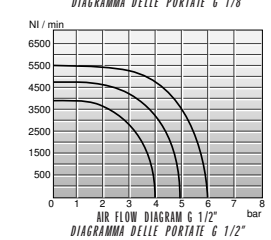
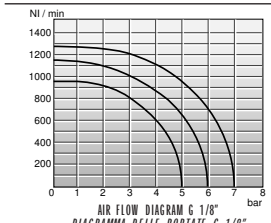
V32V1P . 1.



SIMBOLS / SIMBOLI



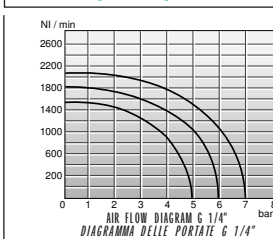
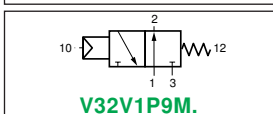
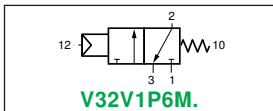
DIAGRAMS / DIAGRAMMI



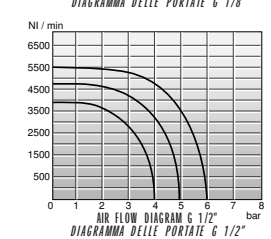
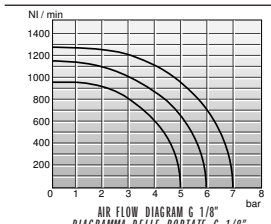
V32V1P . M.



SIMBOLS / SIMBOLI



DIAGRAMS / DIAGRAMMI



VALVE / VALVOLA 3/2

SINGLE PNEUMATIC PILOT - INTERNAL PRESSURE RETURN
COMANDO PNEUMATICO - RIPOSIZIONAMENTO A MOLLA PNEUMATICA

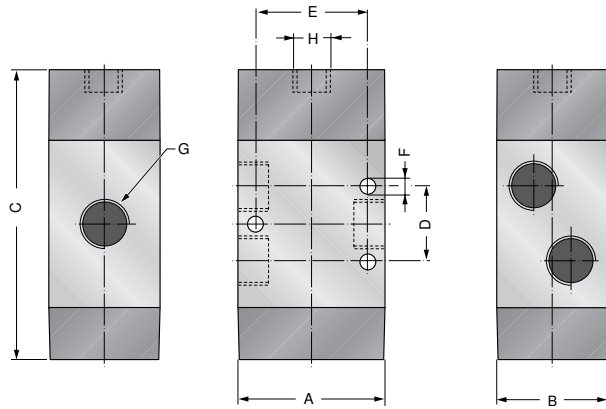
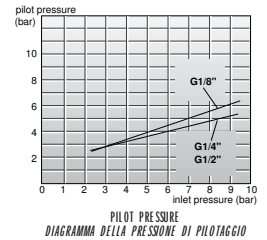


DIAGRAM / DIAGRAMMA



Size Taglia	A	B	C	D	E	ØF	G	H
G1/8	30	26	74	18	23	4,25	G1/8	G1/8
G1/4	40	30	81,5	20	30	4,25	G1/4	G1/8
G1/2	60	40	127	40	50	5,5	G1/2	G1/8

VALVE / VALVOLA 3/2

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

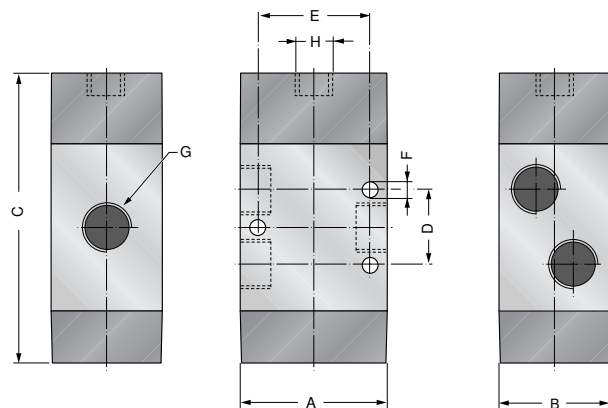
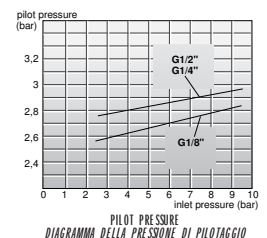


DIAGRAM / DIAGRAMMA



Size Taglia	A	B	C	D	E	ØF	G	H
G1/8	30	26	74	18	23	4,25	G1/8	G1/8
G1/4	40	30	81,5	20	30	4,25	G1/4	G1/8
G1/2	60	40	118	40	50	5,5	G1/2	G1/8

VALVE / VALVOLA 3/2

DOUBLE PNEUMATIC PILOT / *DOPIO COMANDO PNEUMATICO*

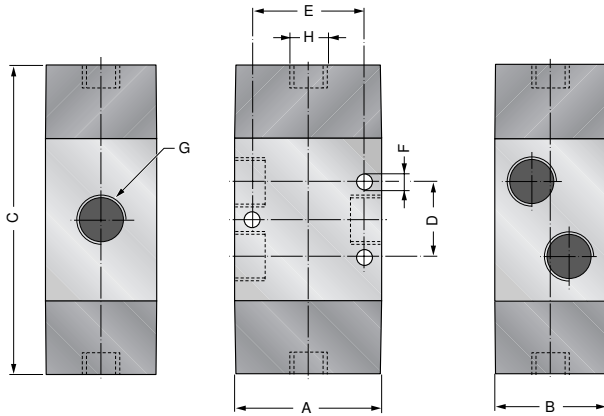
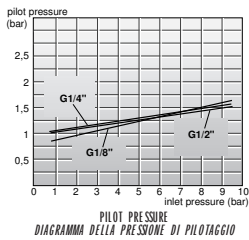
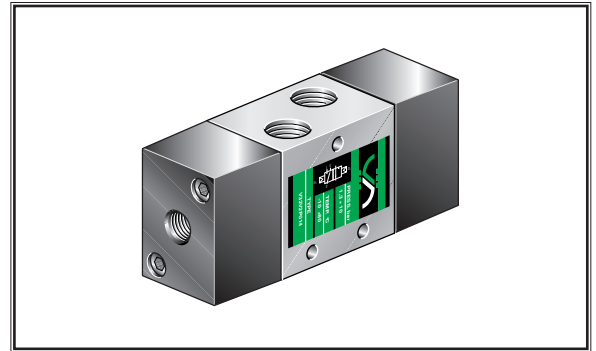


DIAGRAM / DIAGRAMMA

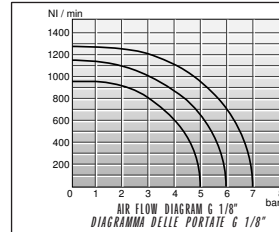


Size Taglia	A	B	C	D	E	ØF	G	H
G1/8	30	26	79	18	23	4,25	G1/8	G1/8
G1/4	40	30	87	20	30	4,25	G1/4	G1/8
G1/2	60	40	132	40	50	5,5	G1/2	G1/8

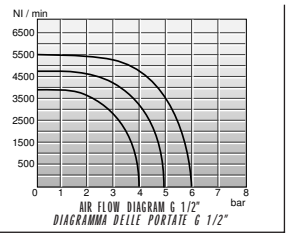
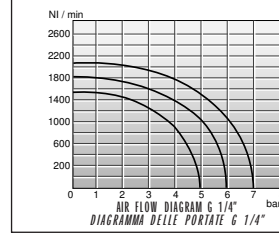
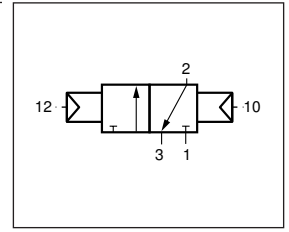
V32V2P01.



DIAGRAMS / DIAGRAMMI



SIMBOL / SIMBOLO



VALVE / VALVOLA 5/2

SINGLE PNEUMATIC PILOT / *COMANDO PNEUMATICO*

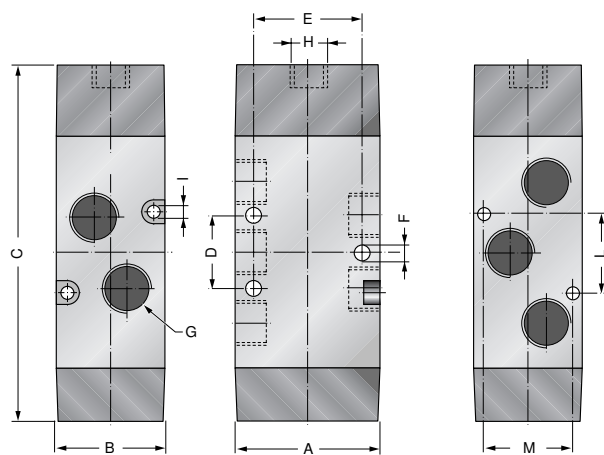
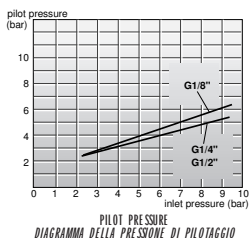
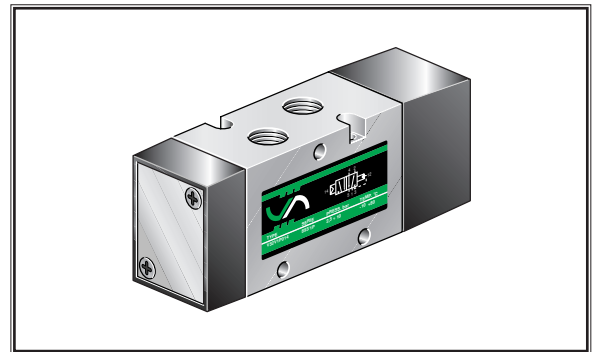


DIAGRAM / DIAGRAMMA

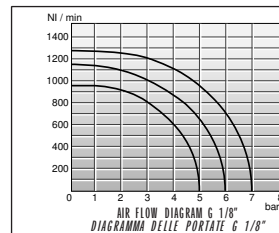


Size Taglia	A	B	C	D	E	ØF	G	H	ØI	L	M
1/8	30	26	91	18	23	4,25	G1/8	G1/8	3,25	28,6	20
1/4	40	30	100	20	30	4,25	G1/4	G1/8	3,25	21	24,6
1/2	60	40	167	40	50	5,5	G1/2	G1/8	—	—	—

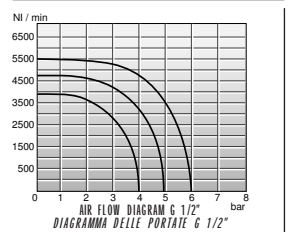
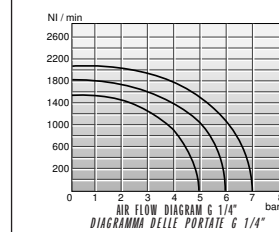
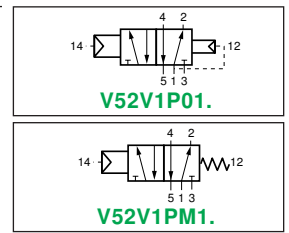
V52V1P . 1.



DIAGRAMS / DIAGRAMMI

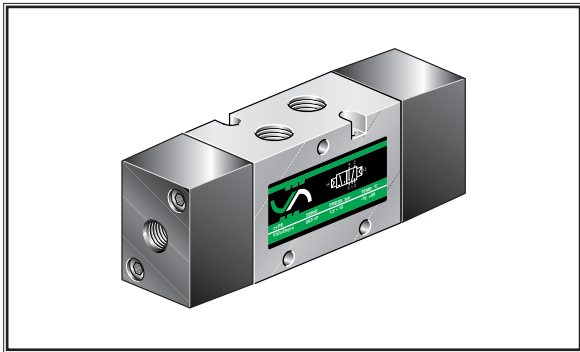


SIMBOLS / SIMBOLI

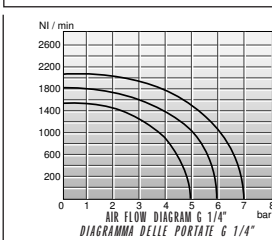
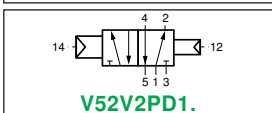
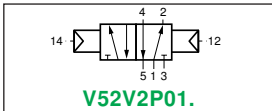


VALVOLE ED ELETTROVALVOLE

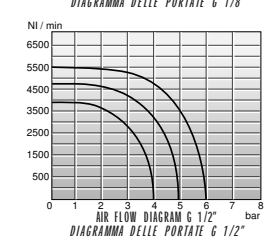
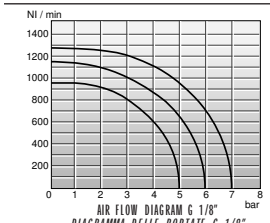
V52V2P . 1.



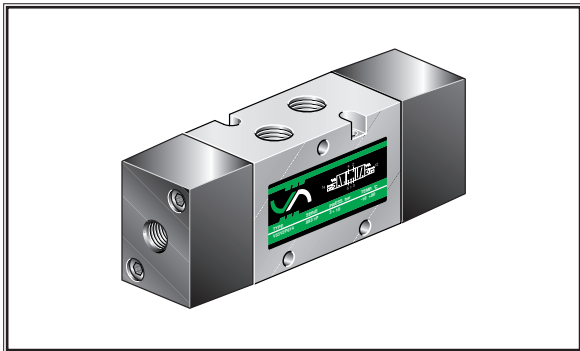
SIMBOLS / SIMBOLI



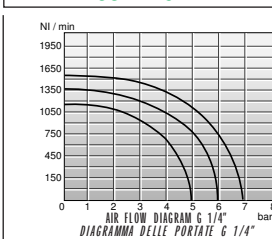
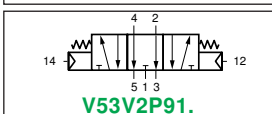
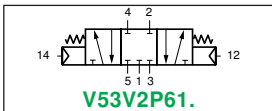
DIAGRAMS / DIAGRAMMI



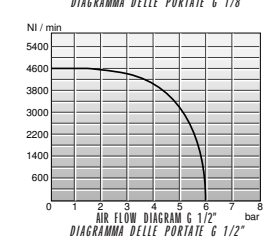
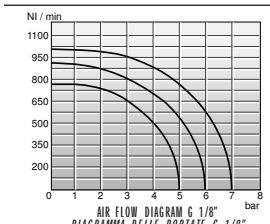
V53V2P . 1.



SIMBOLS / SIMBOLI



DIAGRAMS / DIAGRAMMI



VALVE / VALVOLA 5/2

DOUBLE PNEUMATIC PILOT / DOPPIO COMANDO PNEUMATICO

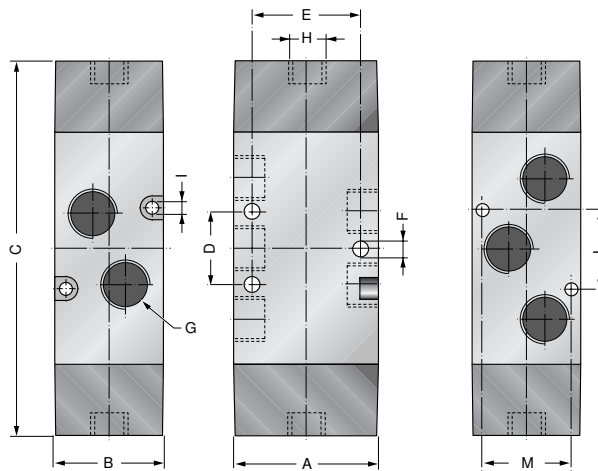
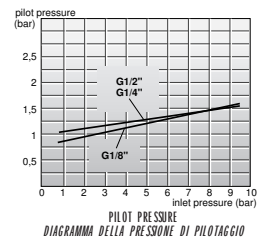


DIAGRAM / DIAGRAMMA



Size Taglia	A	B	C	D	E	ØF	G	H	ØI	L	M
1/8	30	26	96	18	23	4,25	G1/8	G1/8	3,25	28,6	20
1/4	40	30	105	20	30	4,25	G1/4	G1/8	3,25	21	24,6
1/2	60	40	172	40	50	5,5	G1/2	G1/8	—	—	—

VALVE / VALVOLA 5/2

DOUBLE PNEUMATIC PILOT / DOPPIO COMANDO PNEUMATICO

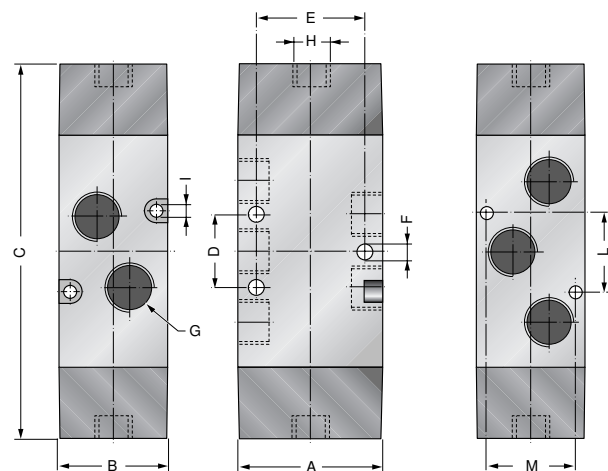
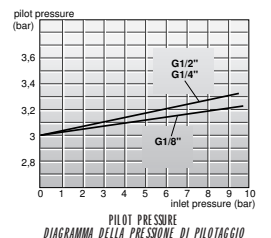


DIAGRAM / DIAGRAMMA



Size Taglia	A	B	C	D	E	ØF	G	H	ØI	L	M
1/8	30	26	108	18	23	4,25	G1/8	G1/8	3,25	28,6	20
1/4	40	30	105	20	30	4,25	G1/4	G1/8	3,25	21	24,6
1/2	60	40	192	40	50	5,5	G1/2	G1/8	—	—	—