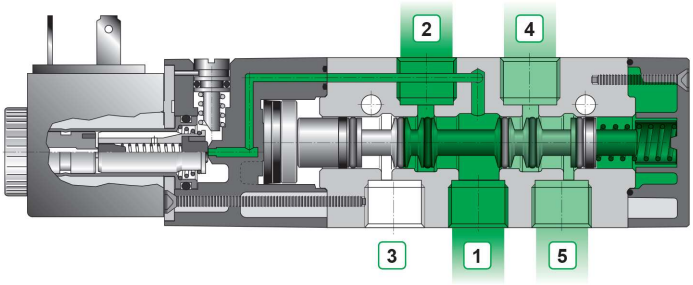
WORKING PRINCIPLE / *PRINCIPIO DI FUNZIONAMENTO*

In the below example (**K52W1018-02450** - 5/2 valve, single solenoid, spring return), when the valve stands in the normal position, ports **4 - 5** and **1- 2** are connected and the position is kept thanks to the pressure applied to the smallest piston and thanks to the spring force (right side ofthe valve). When the valve is actuated, the same pressure is fed to the biggest piston. Its bigger surface creates a force which allows to the spool to move and therefore to connect ports **4 - 1** and **2 - 3**. Spring return grants the normal position of the spool even without inlet pressure.
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 l'elettrovalvola ***K52W1018-02450*** *con comando elettropneumatico e riposizionamento a molla) consiste nel mantenere la spola in posizione di riposo per azione sia di una molla meccanica che per effetto della pressione creata dalla fonte d'aria compressa presente nel condotto di alimentazione* ***1*** *sulla spola stessa (fig.* ***1****) collegando le vie* ***1- 2*** *e* ***4 - 5****.*
L' eccitazione del solenoide mette in comunicazione il condotto ***1*** *con la camera dove é alloggiato il pistone di comando. Quest'ultimo contrasta l'insieme delle forze create dalla molla e dalla pressione sul lato opposto della spola, spostandola in modo tale da collegare i canali* ***1- 4*** *e* ***2- 3*** *(fig.* ***2****).*
Diseccitando il solenoide si ripristina la posizione iniziale. La combinazione del sistema a molla meccanica con il riposizionamento pneumatico consente di avere sempre la spola in posizione di riposo anche dopo la caduta di pressione del sistema.
Nei sistemi bistabili (doppio comando elettropneumatico o doppio comando pneumatico) in assenza di segnale rimangono i collegamenti formatisi nell'ultimo azionamento.



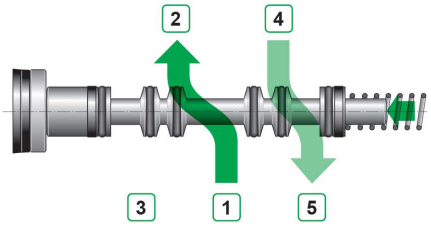
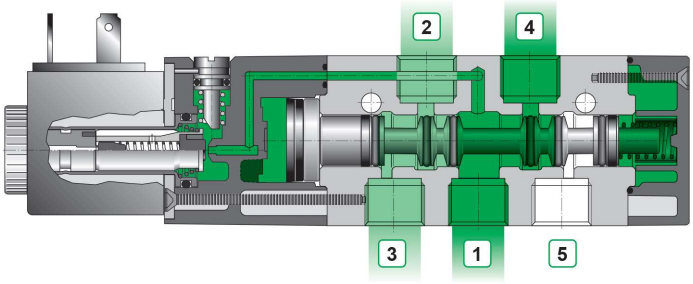


fig. 1

NORMAL POSITION / *POSIZIONE A RIPOSO*



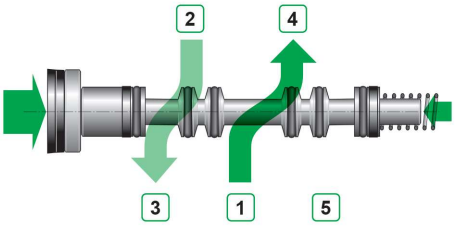
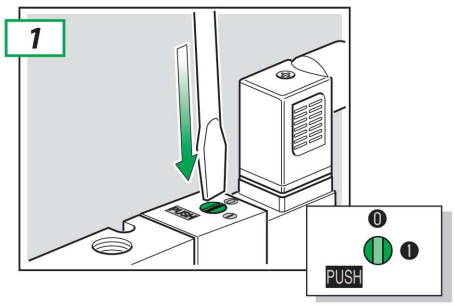


fig. 2

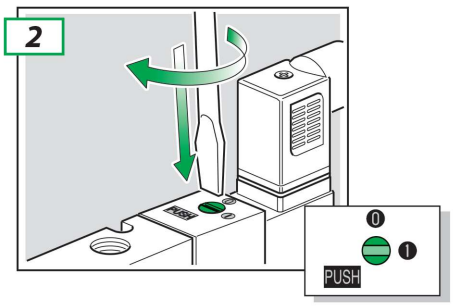
ACTUATED POSITION / *POSIZIONE DI LAVORO*

MANUAL OVERRIDING / *AZIONAMENTO COMANDO MANUALE*



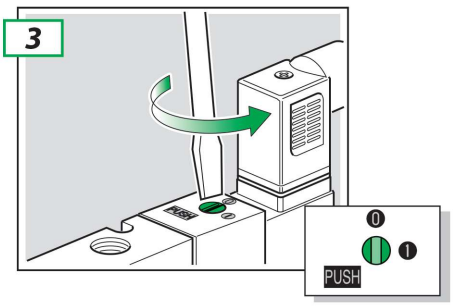
Push to actuate valve without locking. ***Release the button to get back to normal position.***

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



To actuate the valve permanently, push the M/O using a screwdriver and rotate clockwise 90°.

Per azionare la valvola in modo permanente premere la vite del comando manuale e ruotare in senso orario sino alla posizione 1.



To get back to normal position push the M/O again and turn 90° anti-clockwise.

Ruotare in senso antiorario la vite del comando manuale per ripristinare la condizione di riposo.

TECHNICAL FEATURES / *CARATTERISTICHE TECNICHE*

COMMON TECHNICAL FEATURES K SERIE / *CARATTERISTICHE TECNICHE COMUNI SERIE K*

Port connections	G1/8, G1/4	***Connessioni di lavoro***	***G1/8, G1/4***
Flow section	**G1/8"**= Ø 6 mm **G1/4"**= Ø 8 mm **G1/2"**= Ø 14 mm	*Diametro nominale*	***G1/8"***= *Ø 6 mm* ***G1/4"***= *Ø 8 mm* ***G1/2"***= *Ø 14 mm*
Environment temperature range	-10 °C ÷ +50 °C	*Temperatura ambiente*	*-10 °C ÷ +50 °C*
Temperature range of medium	0 °C ÷ +40 °C	*Temperatura fluido*	*0 °C ÷ +40 °C*
Lubrication	Not required	*Lubrificazione*	*Non necessaria*
Medium	Filtered air	*Fluido*	*Aria filtrata*
Reference pressure	6 bar	*Pressione nominale*	*6 bar*
Nominal air flow 3/2 and 5/2 valves (valves 5/3)	**G1/8"**: 730 (552) Nl/min **G1/4"**: 1300 (1040) Nl/min **G1/2"**: 4000 (3500) Nl/min	*Portata nominale valvole 3/2 e 5/2 (valvole 5/3)*	***G1/8"**: 730 (552) Nl/min* ***G1/4"**: 1300 (1040) Nl/min* ***G1/2"**: 4000 (3500) Nl/min*

PNEUMATIC VALVES FEATURES / CARATTERISTICHE *VALVOLE PNEUMATICHE*

G 1/8"

	K32P1618	K32P1918	K32P2018	K52P1018	K52DP218	K52P2018	K53P2318	K53P2618	K53P2918
Nominal pilot pressure (bar) ***Pressione di pilotaggio nominale (bar)***	3,1 bar (9 bar)	3,1 bar (9 bar)	0,97 bar	3,1 bar (9 bar)	(12) 1,35 bar (14) 0,97 bar	0,97 bar	3 bar	3 bar	3 bar
Nominal max frequence (Hz) ***Frequenza max nominale (Hz)***	30 Hz	30 Hz	33 Hz	30 Hz	30 Hz	33 Hz	10 Hz	10 Hz	10 Hz
Operating pressure range (bar) ***Pressione di esercizio (bar)***	2,5 ÷ 9 bar	2,5 ÷ 9 bar	0 ÷ 9 bar	2,5 ÷ 9 bar	0 ÷ 9 bar	0 ÷ 9 bar	0 ÷ 9 bar	0 ÷ 9 bar	0 ÷ 9 bar

G 1/4"

	K32P1614	K32P1914	K32P2014	K52P1014	K52DP214	K52P2014	K53P2314	K53P2614	K53P2914
Nominal pilot pressure (bar) ***Pressione di pilotaggio nominale (bar)***	3,1 bar (9 bar)	3,1 bar (9 bar)	0,97 bar	3,1 bar (9 bar)	(12) 1,35 bar (14) 0,97 bar	0,97 bar	3 bar	3 bar	3 bar
Nominal max frequence (Hz) ***Frequenza max nominale (Hz)***	30 Hz	30 Hz	33 Hz	30 Hz	30 Hz	33 Hz	10 Hz	10 Hz	10 Hz
Operating pressure range (bar) ***Pressione di esercizio (bar)***	2,5 ÷ 9 bar	2,5 ÷ 9 bar	0 ÷ 9 bar	2,5 ÷ 9 bar	0 ÷ 9 bar	0 ÷ 9 bar	0 ÷ 9 bar	0 ÷ 9 bar	0 ÷ 9 bar

G 1/2"

	K32P1612	K32P1912	K32P2012	K52P1012	-	K52P2012	K53P2312	K53P2612	K53P2912
Nominal pilot pressure (bar) ***Pressione di pilotaggio nominale (bar)***	3,1 bar (9 bar)	3,1 bar (9 bar)	0,97 bar	3,1 bar (9 bar)	-	0,97 bar	3 bar	3 bar	3 bar
Nominal max frequence (Hz) ***Frequenza max nominale (Hz)***	15 Hz	15 Hz	18 Hz	15 Hz	-	18 Hz	10 Hz	10 Hz	10 Hz
Operating pressure range (bar) ***Pressione di esercizio (bar)***	2,5 ÷ 9 bar	2,5 ÷ 9 bar	0 ÷ 9 bar	2,5 ÷ 9 bar	-	0 ÷ 9 bar	0 ÷ 9 bar	0 ÷ 9 bar	0 ÷ 9 bar

SOLENOID VALVES FEATURES / CARATTERISTICHE *ELETTROVALVOLE*

G 1/8"

	K32W1S618	K32W1S918	K32W2S018	K52W1018	K52W2018	K52W10E8	K52W20E8	K53W2S318 K53W2S618 K53W2S918	K66W2018 K99W2018 K69W2018
Nominal max frequence (Hz) ***Frequenza max nominale (Hz)***	27Hz **AC** 17Hz **DC**	27Hz **AC** 17Hz **DC**	42Hz **AC** 34Hz **DC**	27Hz **AC** 17Hz **DC**	42Hz **AC** 34Hz **DC**	27Hz **AC** 17Hz **DC**	42Hz **AC** 34Hz **DC**	12Hz **AC** 10Hz **DC**	27Hz **AC** 17Hz **DC**
Operating pressure range (bar) ***Pressione di esercizio (bar)***	2,5÷9 bar	2,5÷9 bar	1,5÷9 bar	2,5÷9 bar	1,5÷9 bar	0÷9 bar	0÷9 bar	3÷9 bar	3÷9 bar
External pilot port ***Connessione di pilotaggio esterna***	-	-	-	-	-	M5	M5	-	-
Pilot pressure ***Pressione di pilotaggio***	-	-	-	-	-	3÷9 bar	3÷9 bar	-	-

G 1/4"

	K32W1S614	K32W1S914	K32W2S014	K52W1014	K52W2014	K52W10E4	K52W20E4	K53W2S314 K53W2S614 K53W2S914	K66W2014 K99W2014 K69W2014
Nominal max frequence (Hz) ***Frequenza max nominale (Hz)***	27Hz **AC** 17Hz **DC**	27Hz **AC** 17Hz **DC**	42Hz **AC** 34Hz **DC**	27Hz **AC** 17Hz **DC**	42Hz **AC** 34Hz **DC**	27Hz **AC** 17Hz **DC**	42Hz **AC** 34Hz **DC**	12Hz **AC** 10Hz **DC**	27Hz **AC** 17Hz **DC**
Operating pressure range (bar) ***Pressione di esercizio (bar)***	2,5÷9 bar	2,5÷9 bar	1,5÷9 bar	2,5÷9 bar	1,5÷9 bar	0÷9 bar	0÷9 bar	3÷9 bar	3÷9 bar
External pilot port ***Connessione di pilotaggio esterna***	-	-	-	-	-	M5	M5	-	-
Pilot pressure ***Pressione di pilotaggio***	-	-	-	-	-	3÷9 bar	3÷9 bar	-	-

G 1/2"

	K32W1S612	K32W1S912	K32W2S012	K52W1012	K52W2012	K52W10E2	K52W20E2	K53W2S312	K53W2S612	K53W2S912
Nominal max frequence (Hz) ***Frequenza max nominale (Hz)***	13Hz **AC** 11Hz **DC**	13Hz **AC** 11Hz **DC**	17Hz **AC** 16Hz **DC**	13Hz **AC** 11Hz **DC**	17Hz **AC** 16Hz **DC**	13Hz **AC** 11Hz **DC**	17Hz **AC** 16Hz **DC**	13Hz **AC** 8Hz **DC**	13Hz **AC** 8Hz **DC**	13Hz **AC** 8Hz **DC**
Operating pressure range (bar) ***Pressione di esercizio (bar)***	2,5÷9 bar	2,5÷9 bar	1,5÷9 bar	2,5÷9 bar	1,5÷9 bar	0÷9 bar	0÷9 bar	3÷9 bar	3÷9 bar	3÷9 bar
External pilot port ***Connessione di pilotaggio esterna***	-	-	-	-	-	M5	M5	-	-	-
Pilot pressure ***Pressione di pilotaggio***	-	-	-	-	-	3÷9 bar	3÷9 bar	-	-	-

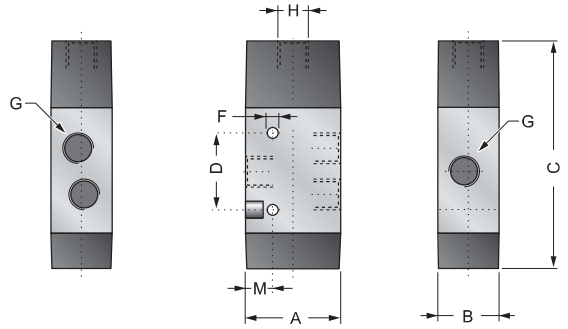
For electrical features solenoid pilot see p. B-52 for G1/8.
Caratteristiche elettriche elettrovalvole per solenoide vedi p. B-52 per G1/8.

VALVE / *VALVOLA* 3/2

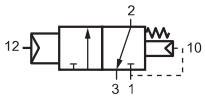
SINGLE PNEUMATIC PILOT - INTERNAL PRESSURE RETURN AND SPRING

COMANDO PNEUMATICO - RIPOSIZIONAMENTO A MOLLA PNEUMATICA E MECCANICA

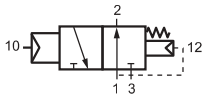
K32P1.1.



SIMBOLS / *SIMBOLI*



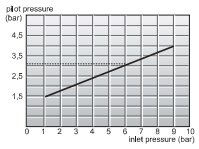
K32P161.



K32P191.

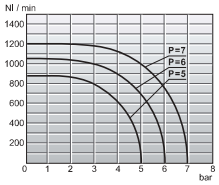
DIAGRAMS / *DIAGRAMMI*

DIAGRAM / *DIAGRAMMA*

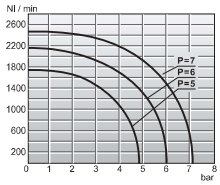


PILOT PRESSURE
DIAGRAMMA DELLA PRESSIONE DI PILOTAGGIO

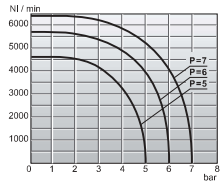
Size *Taglia*	A	B	C	D	ØF	G	H	ØI	M
1/8	28	18	66,2	22,2	3,2	G1/8	G1/8	3,2	8
1/4	32	22	75,3	29,3	4,2	G1/4	G1/8	3,5	7,3
1/2	50	30	108	45,6	5,2	G1/2	G1/8	-	11



AIR FLOW DIAGRAM G1/8"
DIAGRAMMA DELLE PORTATE G1/8"



AIR FLOW DIAGRAM G1/4"
DIAGRAMMA DELLE PORTATE G1/4"

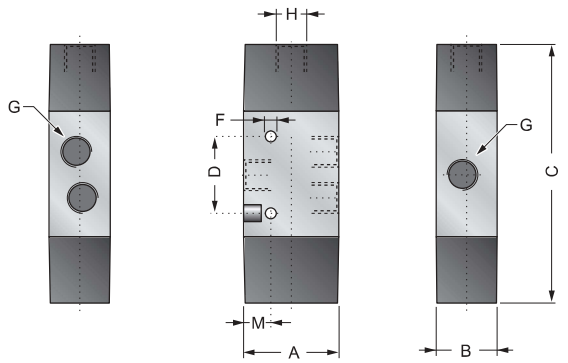


AIR FLOW DIAGRAM G1/2"
DIAGRAMMA DELLE PORTATE G1/2"

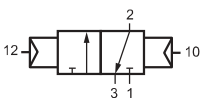
VALVE / *VALVOLA* 3/2

DOUBLE PNEUMATIC PILOT / *DOPPIO COMANDO PNEUMATICO*

K32P201.



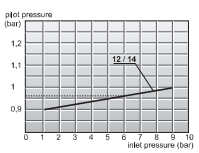
SIMBOL / *SIMBOLO*



K32P201.

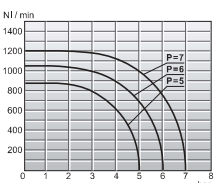
DIAGRAMS / *DIAGRAMMI*

DIAGRAM / *DIAGRAMMA*

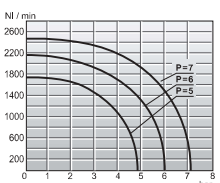


PILOT PRESSURE
DIAGRAMMA DELLA PRESSIONE DI PILOTAGGIO

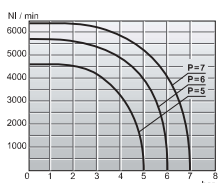
Size *Taglia*	A	B	C	D	ØF	G	H	ØI	M
1/8	28	18	76,2	22,2	3,2	G1/8	G1/8	3,2	8
1/4	32	22	88,3	29,3	4,2	G1/4	G1/8	3,5	7
1/2	50	30	121	45,6	5,2	G1/2	G1/8	-	11



AIR FLOW DIAGRAM G1/8"
DIAGRAMMA DELLE PORTATE G1/8"



AIR FLOW DIAGRAM G1/4"
DIAGRAMMA DELLE PORTATE G1/4"



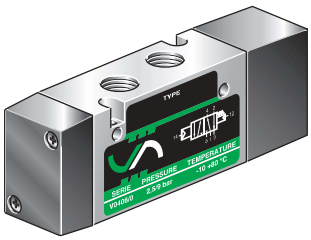
AIR FLOW DIAGRAM G1/2"
DIAGRAMMA DELLE PORTATE G1/2"

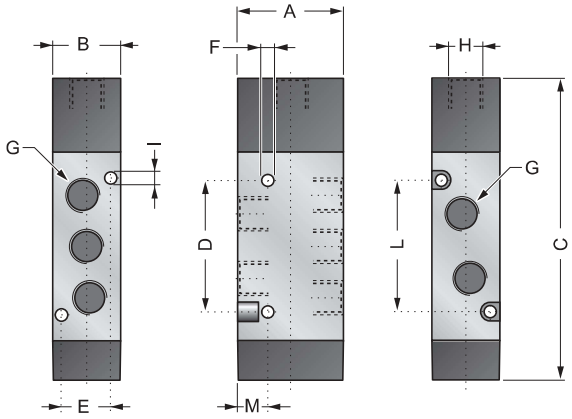
K52P101.

VALVE / *VALVOLA* 5/2

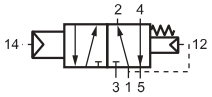
SINGLE PNEUMATIC PILOT - INTERNAL PRESSURE RETURN AND SPRING

COMANDO PNEUMATICO - RIPOSIZIONAMENTO A MOLLA PNEUMATICA E MECCANICA

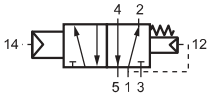




SIMBOLS / *SIMBOLI*

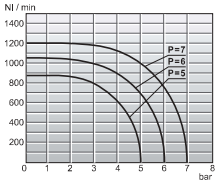


K52P1018

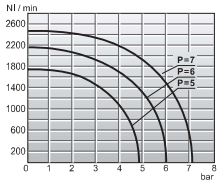


K52P1014 - K52P1012

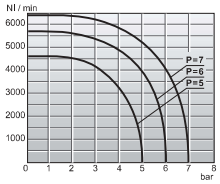
DIAGRAMS / *DIAGRAMMI*



AIR FLOW DIAGRAM G1/8"
DIAGRAMMA DELLE PORTATE G1/8"



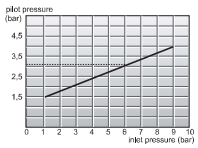
AIR FLOW DIAGRAM G1/4"
DIAGRAMMA DELLE PORTATE G1/4"



AIR FLOW DIAGRAM G1/4"
DIAGRAMMA DELLE PORTATE G1/4"

Size *Taglia*	A	B	C	D	E	ØF	G	H	ØI	L	M
1/8	28	18	80	35	13	3,2	G1/8	G1/8	3,2	35	8
1/4	32	22	96	50	16,2	4,2	G1/4	G1/8	3,5	50	7,3
1/2	50	30	137	74,6	-	5,2	G1/2	G1/8	-	-	11

DIAGRAM / *DIAGRAMMA*

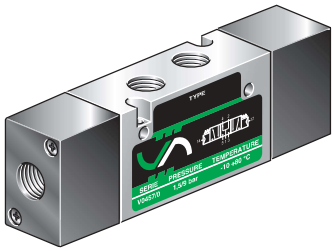


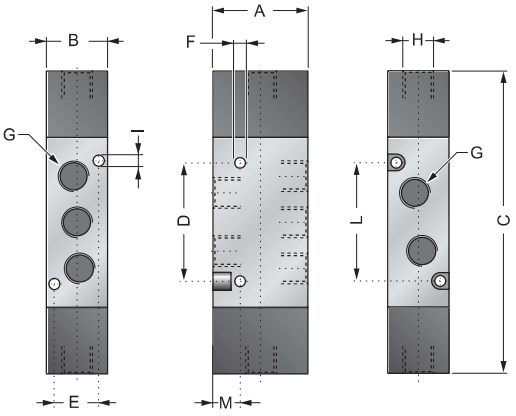
PILOT PRESSURE
DIAGRAMMA DELLA PRESSIONE DI PILOTAGGIO

K52P201.

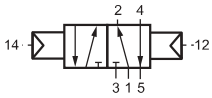
VALVE / *VALVOLA* 5/2

DOUBLE PNEUMATIC PILOT / *DOPPIO COMANDO PNEUMATICO*

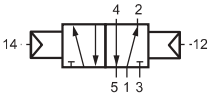




SIMBOLS / *SIMBOLI*

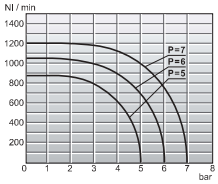


K52P2018

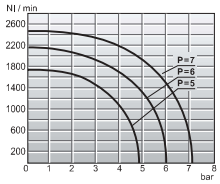


K52P2014 - K52P2012

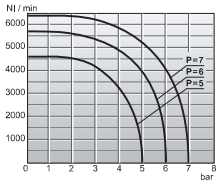
DIAGRAMS / *DIAGRAMMI*



AIR FLOW DIAGRAM G1/8"
DIAGRAMMA DELLE PORTATE G1/8"



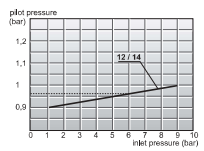
AIR FLOW DIAGRAM G1/4"
DIAGRAMMA DELLE PORTATE G1/4"



AIR FLOW DIAGRAM G1/2"
DIAGRAMMA DELLE PORTATE G1/2"

Size *Taglia*	A	B	C	D	E	ØF	G	H	ØI	L	M
1/8	28	18	89	35	13	3,2	G1/8	G1/8	3,2	35	8
1/4	32	22	109	50	16,2	4,2	G1/4	G1/8	3,5	50	7,3
1/2	50	30	150	74,6	-	5,2	G1/2	G1/8	-	-	11

DIAGRAM / *DIAGRAMMA*



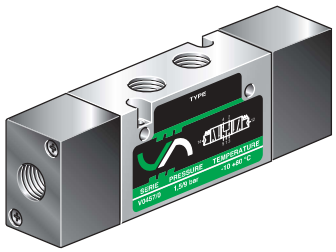
PILOT PRESSURE
DIAGRAMMA DELLA PRESSIONE DI PILOTAGGIO

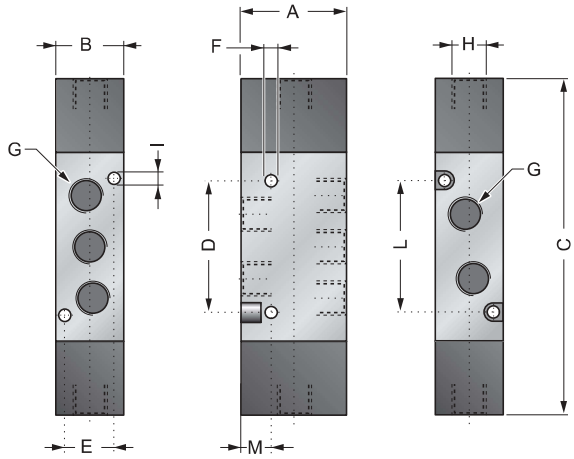
VALVE / 5/2

DOUBLE DIFFERENTIAL PNEUMATIC PILOT

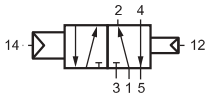
DOPPIO COMANDO PNEUMATICO DIFFERENZIALE

K52DP21.

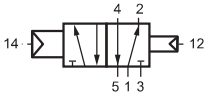




SIMBOLS /

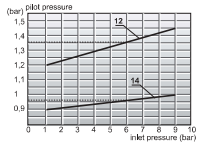


K52DP218



K52DP214

DIAGRAM / *DIAGRAMMA*

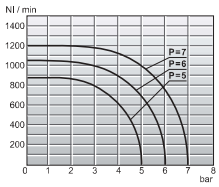


PILOT PRESSURE

DIAGRAMMA DELLA PRESSIONE DI PILOTAGGIO

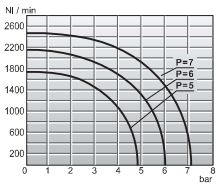
Size *Taglia*	A	B	C	D	E	ØF	G	H	ØI	L	M
1/8	28	18	89	35	13	3,2	G1/8	G1/8	3,2	35	8
1/4	32	22	109	50	16,2	4,2	G1/4	G1/8	3,5	50	7,3

DIAGRAMS / *DIAGRAMMI*



AIR FLOW DIAGRAM G1/8"

DIAGRAMMA DELLE PORTATE G1/8"



AIR FLOW DIAGRAM G1/4"

DIAGRAMMA DELLE PORTATE G1/4"

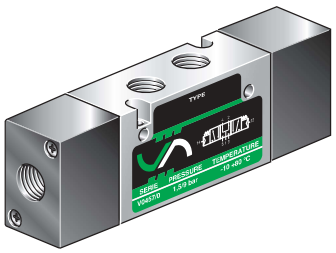
VALVE / *VALVOLA* 5/3

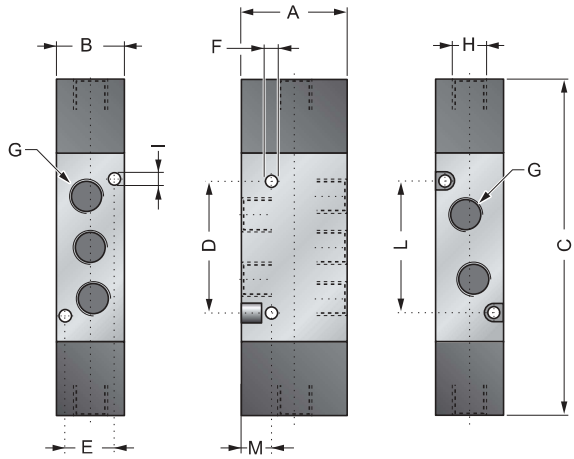
DOUBLE PNEUMATIC PILOT (MID-POSITION PRESSURIZED) / *DOPPIO COMANDO PNEUMATICO (CENTRI IN PRESSIONE)*

DOUBLE PNEUMATIC PILOT (MID-POSITION CLOSED) / *DOPPIO COMANDO PNEUMATICO (CENTRI CHIUSI)*

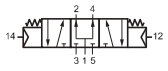
DOUBLE PNEUMATIC PILOT (MID-POSITION EXHAUSTED) / *DOPPIO COMANDO PNEUMATICO (CENTRI APERTI)*

K53P2 . 1.

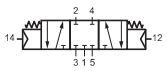




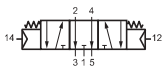
SIMBOLS / *SIMBOLI*



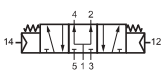
K53P2318



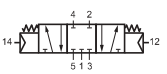
K53P2618



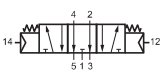
K53P2918



K53P2314 - K53P2312

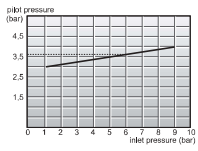


K53P2614 - K53P2612



K53P2914 - K53P2912

DIAGRAM / *DIAGRAMMA*

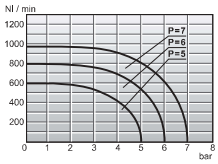


PILOT PRESSURE

DIAGRAMMA DELLA PRESSIONE DI PILOTAGGIO

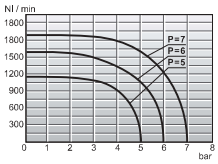
Size *Taglia*	A	B	C	D	E	ØF	G	H	ØI	L	M
1/8	28	18	89	35	13	3,2	G1/8	G1/8	3,2	35	8
1/4	32	22	109	50	16,2	4,2	G1/4	G1/8	3,5	50	7,3
1/2	50	30	150	74,6	-	5,2	G1/2	G1/8	-	-	11

DIAGRAMS / *DIAGRAMMI*



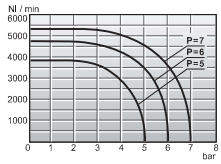
AIR FLOW DIAGRAM G 1/8"

DIAGRAMMA DELLE PORTATE G 1/8"



AIR FLOW DIAGRAM G 1/4"

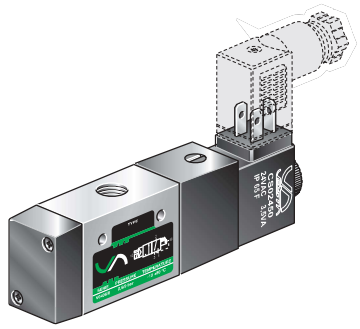
DIAGRAMMA DELLE PORTATE G 1/4"



AIR FLOW DIAGRAM G 1/2"

DIAGRAMMA DELLE PORTATE G 1/2"

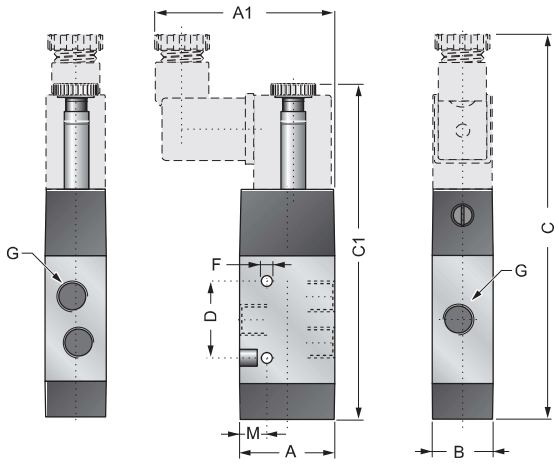
K32W1S.1.



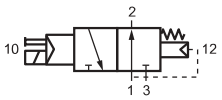
VALVE / 3/2

SINGLE SOLENOID PILOT - INTERNAL PRESSURE RETURN AND SPRING

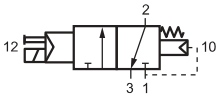
COMANDO ELETTROPNEUMATICO - RIPOSIZIONAMENTO A MOLLA PNEUMATICA E MECCANICA



SIMBOLS / *SIMBOLI*

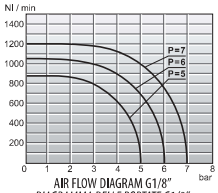


K32W1S918 - K32W1S914
K32W1S912

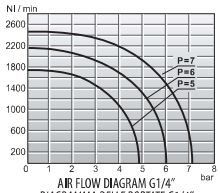


K32W1S618 - K32W1S614
K32W1S612

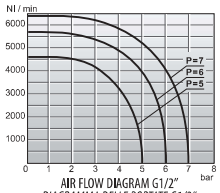
DIAGRAMS / *DIAGRAMMI*



AIR FLOW DIAGRAM G1/8"
DIAGRAMMA DELLE PORTATE G1/8"



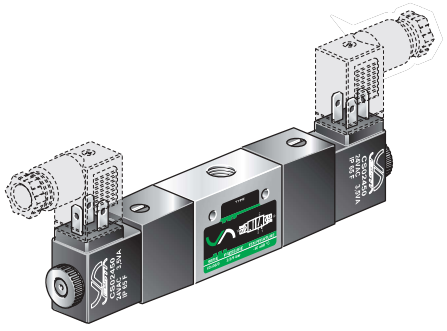
AIR FLOW DIAGRAM G1/4"
DIAGRAMMA DELLE PORTATE G1/4"



AIR FLOW DIAGRAM G1/2"
DIAGRAMMA DELLE PORTATE G1/2"

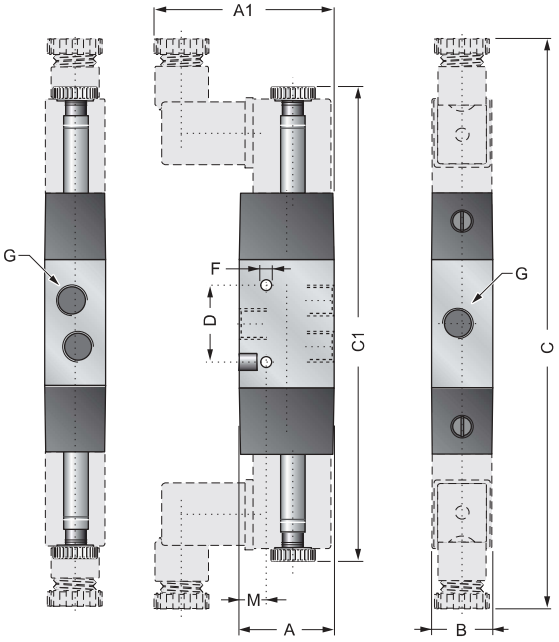
Size *Taglia*	A	A1	B	C	C1	D	ØF	G	ØI	M
1/8	28	~53	18	112,5	~99	22,2	3,2	G1/8	3,2	8
1/4	32	~55	22	121	~107,5	29,3	4,2	G1/4	3,5	7,3
1/2	50	~75	30	~150	~137	45,6	5,2	G1/2	-	11

K32W2S01.

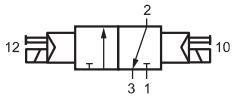


VALVE / *VALVOLA* 3/2

DOUBLE SOLENOID PILOT / *DOPPIO COMANDO ELETTROPNEUMATICO*

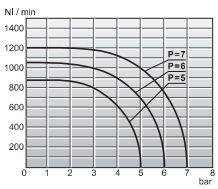


SIMBOLS / *SIMBOLI*

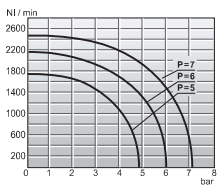


K32W2S018 - K32W2S014 - K32W2S012

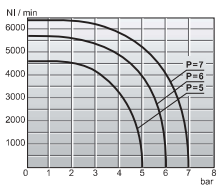
DIAGRAMS / *DIAGRAMMI*



AIR FLOW DIAGRAM G1/8"
DIAGRAMMA DELLE PORTATE G1/8"



AIR FLOW DIAGRAM G1/4"
DIAGRAMMA DELLE PORTATE G1/4"

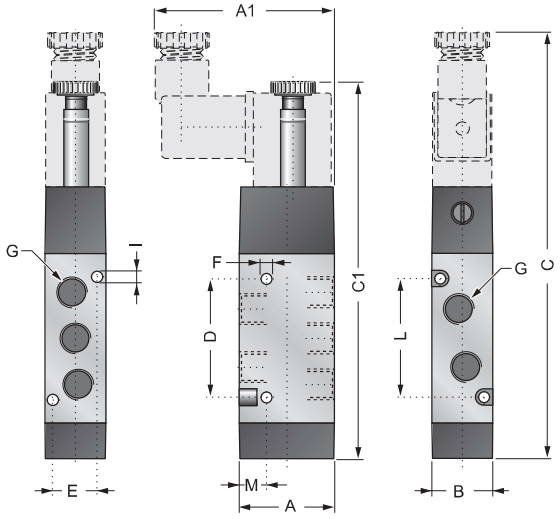


AIR FLOW DIAGRAM G1/2"
DIAGRAMMA DELLE PORTATE G1/2"

Size *Taglia*	A	A1	B	C	C1	D	ØF	G	ØI	M
1/8	28	~53	18	170	~143	22,2	3,2	G1/8	3,2	8
1/4	32	~55	22	181	~154	29,3	4,2	G1/4	3,5	7,3
1/2	50	~75	30	~210	~180	45,6	5,2	G1/2	-	11

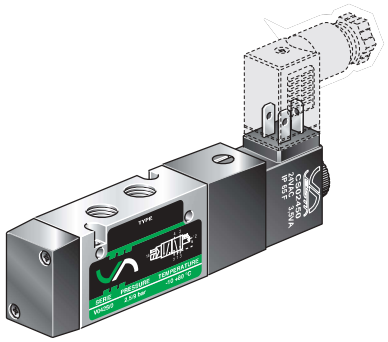
VALVE / *VALVOLA* 5/2

SINGLE SOLENOID PILOT - INTERNAL PRESSURE RETURN AND SPRING
COMANDO ELETTROPNEUMATICO - RIPOSIZIONAMENTO A MOLLA PNEUMATICA E MECCANICA

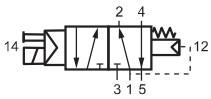


Size *Taglia*	A	A1	B	C	C1	D	E	ØF	G	ØI	L	M
1/8	28	~53	18	~125,5	112	35	13	3,2	G1/8	3,2	35	8
1/4	32	~55	22	142,5	~129	50	16,2	4,2	G1/4	3,5	50	7,3
1/2	50	~75	30	~180	~166	74,6	-	5,2	G1/2	-	-	11

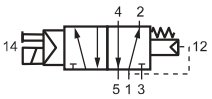
K52W101.



SIMBOLS / *SIMBOLI*

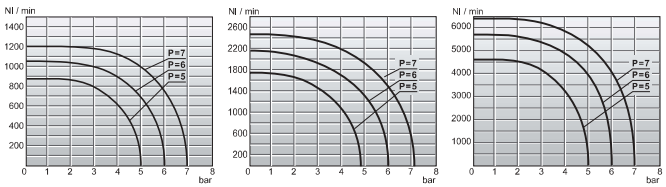


K52W1018



K52W1014 - K52W1012

DIAGRAMS / *DIAGRAMMI*



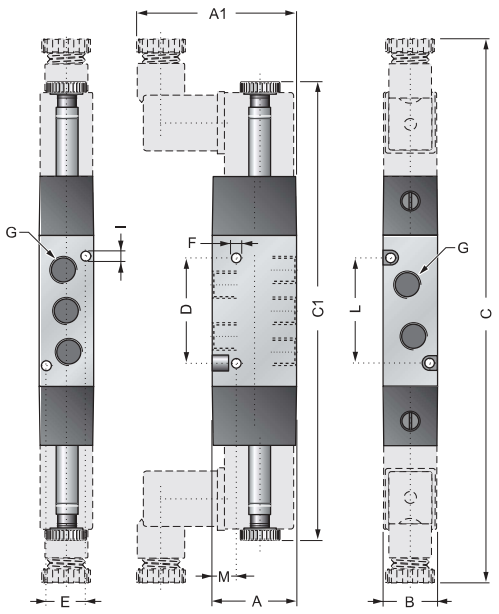
AIR FLOW DIAGRAM G1/8"
DIAGRAMMA DELLE PORTATE G1/8"

AIR FLOW DIAGRAM G1/4"
DIAGRAMMA DELLE PORTATE G1/4"

AIR FLOW DIAGRAM G1/2"
DIAGRAMMA DELLE PORTATE G1/2"

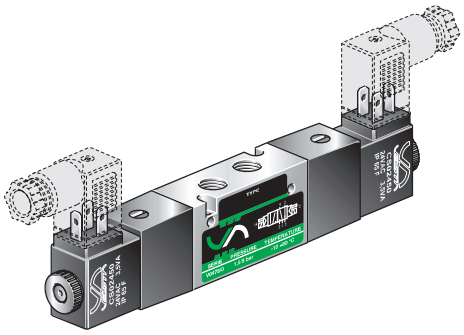
VALVE / 5/2

DOUBLE SOLENOID PILOT / *DOPPIO COMANDO ELETTROPNEUMATICO*

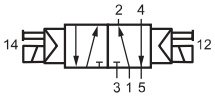


Size *Taglia*	A	A1	B	C	C1	D	E	ØF	G	ØI	L	M
1/8	28	~53	18	180	~152	35	13	3,2	G1/8	3,2	35	8
1/4	32	~55	22	202	~174	50	16,2	4,2	G1/4	3,5	50	7,3
1/2	50	~75	30	~240	~210	74,6	-	5,2	G1/2	-	-	11

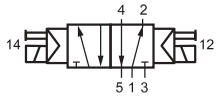
K52W201.



SIMBOLS / *SIMBOLI*

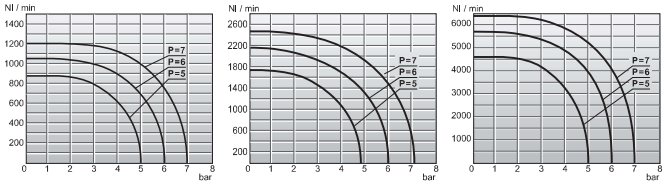


K52W2018



K52W2014 - K52W2012

DIAGRAMS / *DIAGRAMMI*

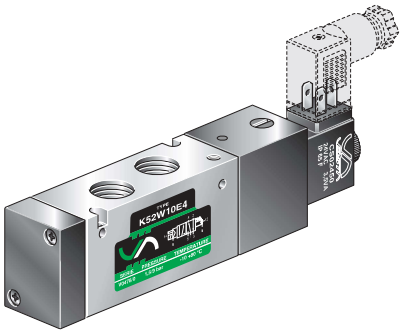


AIR FLOW DIAGRAM G1/8"
DIAGRAMMA DELLE PORTATE G1/8"

AIR FLOW DIAGRAM G1/4"
DIAGRAMMA DELLE PORTATE G1/4"

AIR FLOW DIAGRAM G1/2"
DIAGRAMMA DELLE PORTATE G1/2"

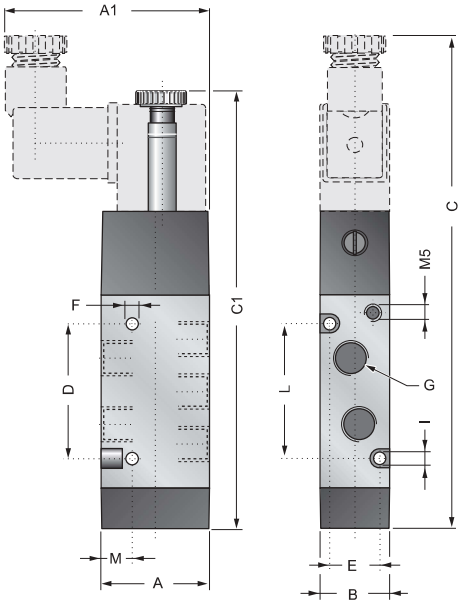
K52W10E.



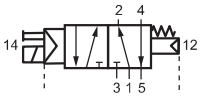
VALVE / 5/2

SINGLE SOLENOID PILOT - EXTERNAL PRESSURE RETURN

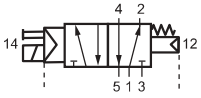
COMANDO ELETTROPNEUMATICO - PILOTAGGIO ESTERNO



SIMBOLS / *SIMBOLI*

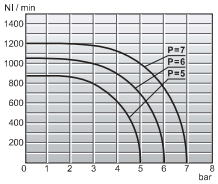


K52W10E8

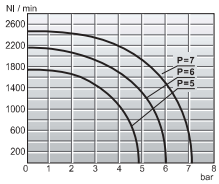


K52W10E4 - K52W10E2

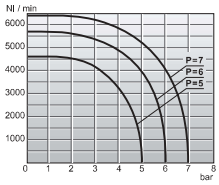
DIAGRAMS / *DIAGRAMMI*



AIR FLOW DIAGRAM G1/8"
DIAGRAMMA DELLE PORTATE G1/8"



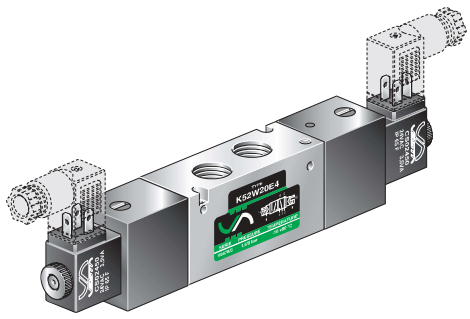
AIR FLOW DIAGRAM G1/4"
DIAGRAMMA DELLE PORTATE G1/4"



AIR FLOW DIAGRAM G1/2"
DIAGRAMMA DELLE PORTATE G1/2"

Size *Taglia*	A	B	C	D	E	ØF	G	ØI	L	M	A1	C1
1/8	28	18	127	35	13	3,2	G1/8	3,2	35	8	53	112
1/4	32	22	142,5	50	16,2	4,2	G1/4	3,5	50	7,3	55	129
1/2	50	30	~180	74,6	-	5,2	G1/2	-	-	11	~75	~166

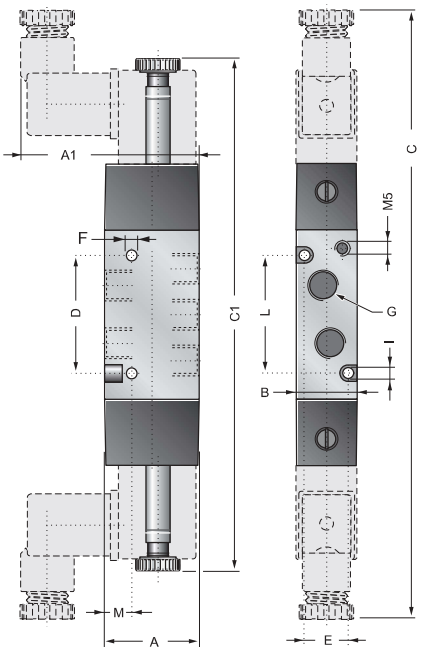
K52W20E.



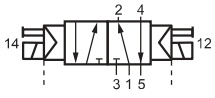
VALVE / *VALVOLA* 5/2

DOUBLE SOLENOID PILOT - EXTERNAL PRESSURE RETURN

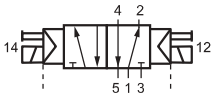
DOPPIO COMANDO ELETTROPNEUMATICO - PILOTAGGIO ESTERNO



SIMBOLS / *SIMBOLI*

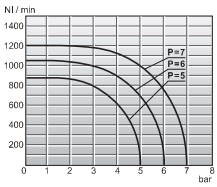


K52W20E8

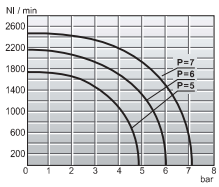


K52W20E4 - K52W20E2

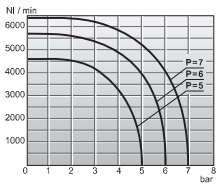
DIAGRAMS / *DIAGRAMMI*



AIR FLOW DIAGRAM G1/8"
DIAGRAMMA DELLE PORTATE G1/8"



AIR FLOW DIAGRAM G1/4"
DIAGRAMMA DELLE PORTATE G1/4"

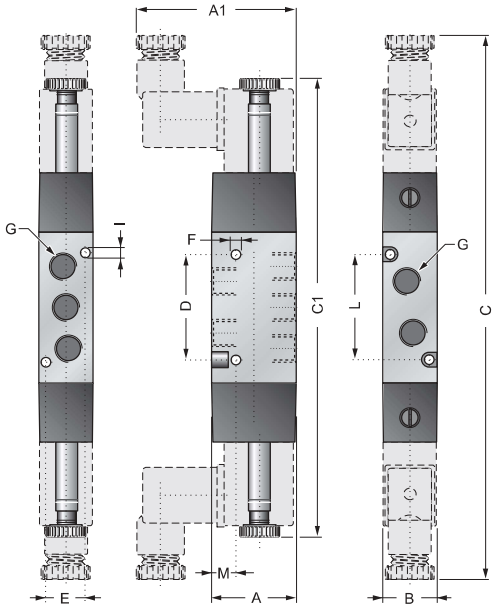


AIR FLOW DIAGRAM G1/2"
DIAGRAMMA DELLE PORTATE G1/2"

Size *Taglia*	A	B	C	D	E	ØF	G	ØI	L	M	A1	C1
1/8	28	18	180	35	13	3,2	G1/8	3,2	35	8	53	152
1/4	32	22	202	50	16,2	4,2	G1/4	3,5	50	7,3	55	174
1/2	50	30	~240	74,6	-	5,2	G1/2	-	-	11	~75	~210

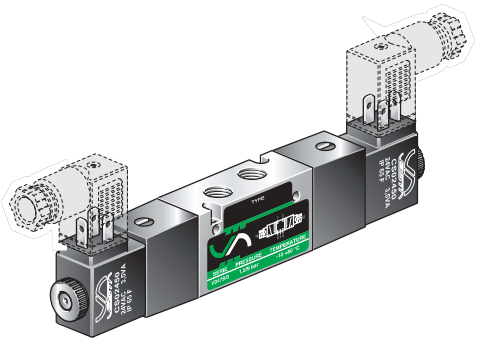
VALVE / 5/3

DOUBLE PNEUMATIC PILOT (MID-POSITION PRESSURIZED) / *DOPPIO COMANDO PNEUMATICO (CENTRI IN PRESSIONE)*
DOUBLE PNEUMATIC PILOT (MID-POSITION CLOSED) / *DOPPIO COMANDO PNEUMATICO (CENTRI CHIUSI)*
DOUBLE PNEUMATIC PILOT (MID-POSITION EXHAUSTED) / *DOPPIO COMANDO PNEUMATICO (CENTRI APERTI)*

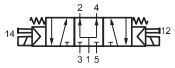


Size *Taglia*	A	A1	B	C	C1	D	E	ØF	G	ØI	L	M
1/8	28	~53	18	180	~152	35	13	3,2	G1/8	3,2	35	8
1/4	32	~55	22	202	~174	50	16,2	4,2	G1/4	3,5	50	7,3
1/2	50	~75	30	~240	~210	74,6	-	5,2	G1/2	-	-	11

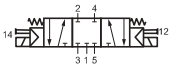
K53W2S . 1.



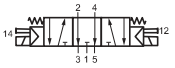
SIMBOLS / *SIMBOLI*



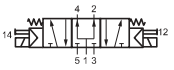
K53W2S318



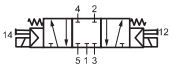
K53W2S618



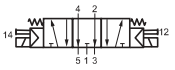
K53W2S918



K53W2S314
K53W2S312

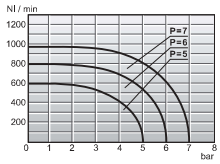


K53W2S614
K53W2S612

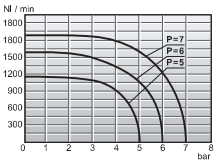


K53W2S914
K53W2S912

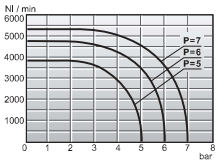
DIAGRAMS / *DIAGRAMMI*



AIR FLOW DIAGRAM G1/8"
DIAGRAMMA DELLE PORTATE G1/8"



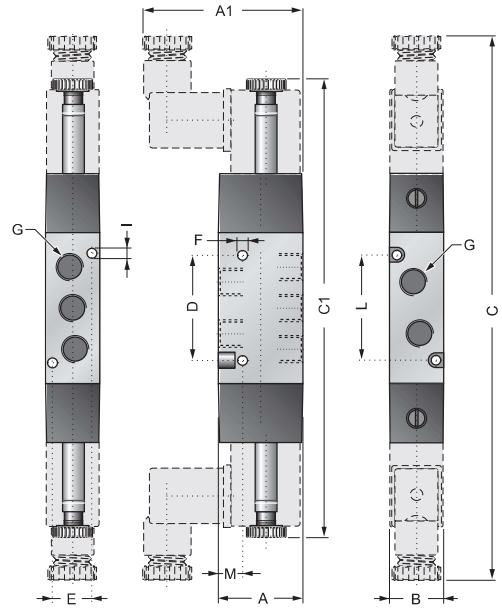
AIR FLOW DIAGRAM G1/4"
DIAGRAMMA DELLE PORTATE G1/4"



AIR FLOW DIAGRAM G1/2"
DIAGRAMMA DELLE PORTATE G1/2"

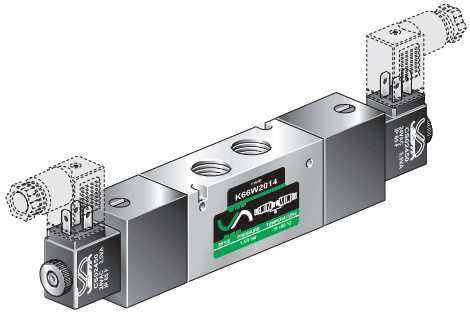
DOUBLE 3/2 VALVE / DOPPIA 3/2

DUBLE 3/2 N.C. SPRING RETURN VALVE
DOPPIA VALVOLA 3/2 N.C. RITORNO A MOLLA MECCANICA

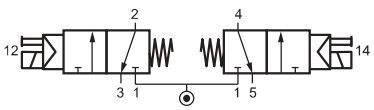


Size *Taglia*	A	A1	B	C	C1	D	E	ØF	G	ØI	L	M
1/8	28	~53	18	180	~152	35	13	3,2	G1/8	3,2	35	8
1/4	32	~55	22	202	~174	50	16,2	4,2	G1/4	3,5	50	7,3

K66W201.

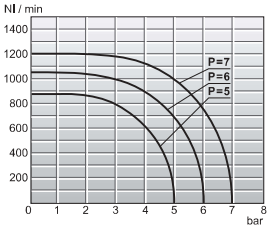


SIMBOLS / *SIMBOLI*

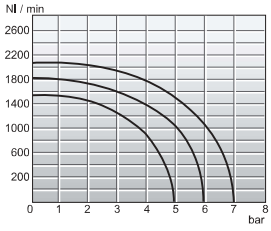


K66W2018 - K66W2014

DIAGRAMS / *DIAGRAMMI*

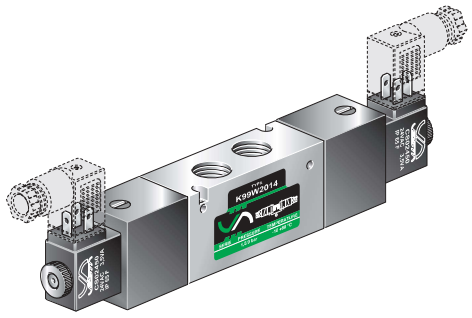


AIR FLOW DIAGRAM G1/8"
DIAGRAMMA DELLE PORTATE G1/8"



AIR FLOW DIAGRAM G1/4"
DIAGRAMMA DELLE PORTATE G1/4"

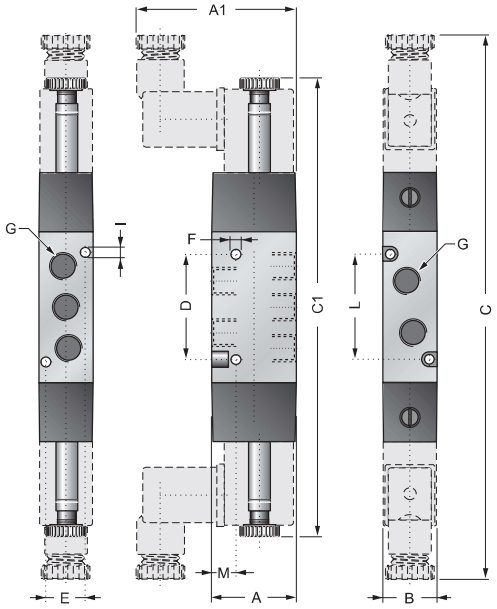
K99W201.



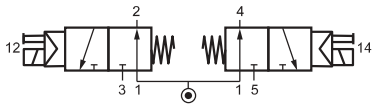
DOUBLE 3/2 VALVE / DOPPIA *VALVOLA* 3/2

DUBLE 3/2 N.O. SPRING RETURN VALVE

DOPPIA VALVOLA 3/2 N.O. RITORNO A MOLLA MECCANICA

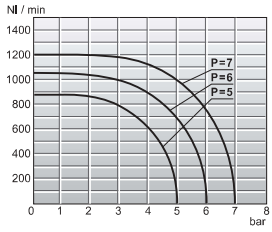


SIMBOLS / *SIMBOLI*

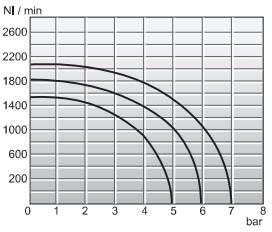


K99W2018 - K99W2014

DIAGRAMS / *DIAGRAMMI*



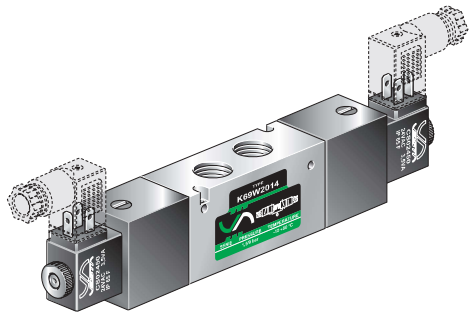
AIR FLOW DIAGRAM G1/8"
DIAGRAMMA DELLE PORTATE G1/8"



AIR FLOW DIAGRAM G1/4"
DIAGRAMMA DELLE PORTATE G1/4"

Size *Taglia*	A	A1	B	C	C1	D	E	ØF	G	ØI	L	M
1/8	28	~53	18	180	~152	35	13	3,2	G1/8	3,2	35	8
1/4	32	~55	22	202	~174	50	16,2	4,2	G1/4	3,5	50	7,3

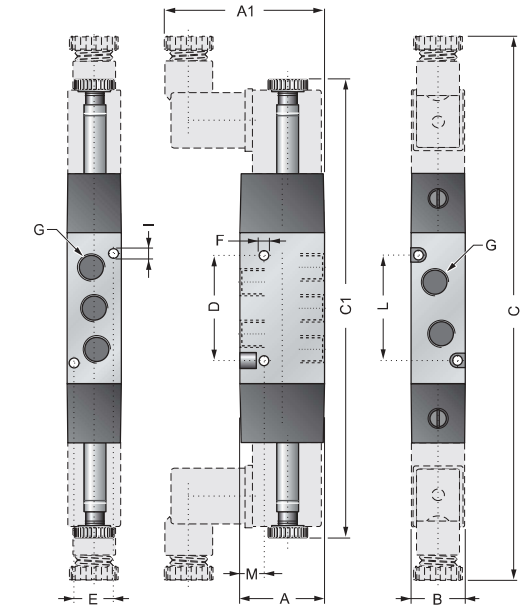
K69W201.



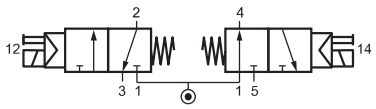
DOUBLE 3/2 VALVE / DOPPIA *VALVOLA* 3/2

3/2 N.C. + 3/2 N.O. VALVES SPRING RETURN

VALVOLA 3/2 N.C. + VALVOLA 3/2 N.O. RITORNO A MOLLA MECCANICA

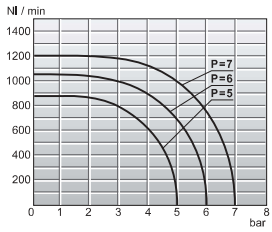


SIMBOLS / *SIMBOLI*

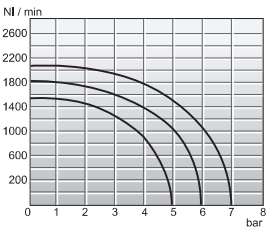


K69W2018 - K69W2014

DIAGRAMS / *DIAGRAMMI*

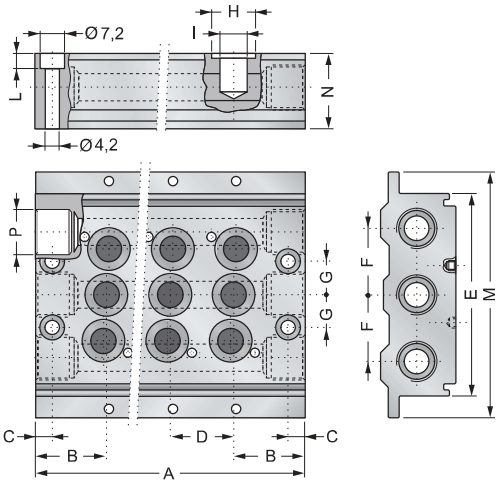


AIR FLOW DIAGRAM G1/8"
DIAGRAMMA DELLE PORTATE G1/8"

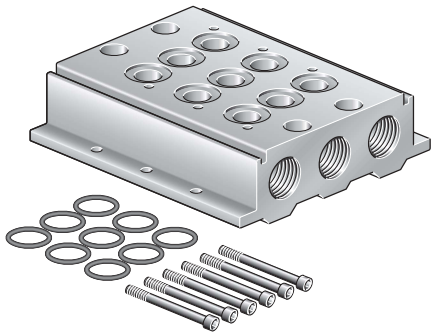


AIR FLOW DIAGRAM G1/4"
DIAGRAMMA DELLE PORTATE G1/4"

Size *Taglia*	A	A1	B	C	C1	D	E	ØF	G	ØI	L	M
1/8	28	~53	18	180	~152	35	13	3,2	G1/8	3,2	35	8
1/4	32	~55	22	202	~174	50	16,2	4,2	G1/4	3,5	50	7,3



Size *Taglia*	B	C	D	E	F	G	ØH	ØI	L	M	N	P
1/8	21	5	19	60	19	10	13	8	4,5	74,5	26	G1/4
1/4	25	6,5	23	70	23	11,5	15,9	10	5	85	26	G3/8



- Available upon request manifold up to 20 places.
- Valves fixing screws and seals are supplied with manifold.
- Subbase fixing screws not supplied.
- Manifold suppied assembled on demand.
- *A richiesta sono fornibili basi sino a 20 posti*
- *Le viti e le guarnizioni per il fissaggio delle valvole vengono fornite con la base.*
- *Il fissaggio alla base è a cura del cliente.*
- *A richiesta, la base può essere fornita preassemblata.*

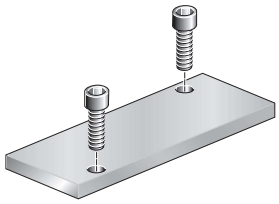
CODES / *CODICI*

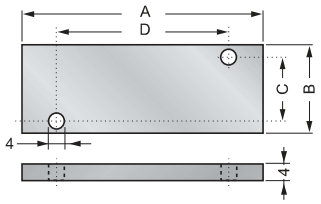
Code *Codice*	A	Place *Posti*
KME218	61	2
KME318	80	3
KME418	99	4
KME518	118	5
KME618	137	6
KME718	156	7
KME818	175	8
KME918	194	9
KME1018	213	10
KME1218	251	12
KME1418	289	14
KME1618	327	16
KME214	73	2
KME314	96	3
KME414	119	4
KME514	142	5
KME614	165	6
KME714	188	7
KME814	211	8
KME914	234	9
KME1014	257	10
KME1214	303	12
KME1414	349	14
KME1614	395	16

COILS SOLENOID VALVES AND ACCESSORIES - *SOLENOIDI PER ELETTROVALVOLE ED ACCESSORI*

KPCH01.

PLUG FLAT
CHIUSURA POSTO INUTILIZZATO





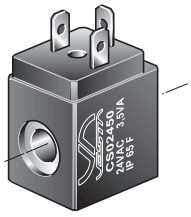
Plug flat includes assembling screws.

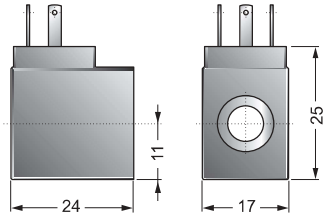
La piastrina di chiusura dei posti non utilizzati della base é fornita con le relative viti di fissaggio.

Size *Taglia*	A	B	C	D	Code *Codice*
1/8	49	18	13	35,5	KPCH018
1/4	60	22	16,2	50	KPCH014

CS . . . . .

COILS
SOLENOIDI PER ELETTROVALVOLE





CODES / *CODICI*

Code ordination *Codice ordinazione*	Voltage *Tensione*
CS01200	12 V DC
CS02400	24 V DC
CS02450	24 V 50/60Hz AC
CS11550 (*)	115 V 50/60Hz AC
CS23050 (*)	230 V 50/60Hz AC

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

TECHNICAL FEATURES

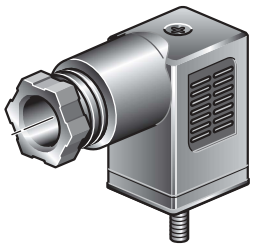
Standard tensions	12, 24, V DC 24, 115, 230 V AC (50/60 Hz)
Other tensions	Contact our commercial department
Duty cicle	100% (continuos)
Power at 20°C	2,5 Watt DC; 3,6 VA AC
Nominal tension	± 10% during normal working
Operating temperature range	-20°C ÷ +50°C
Degree of protection	Fixed plug IP 65 (IEC 144) with connector
Insulation	Class F
Materials	Wire class H - coil moulding glass filled nylon

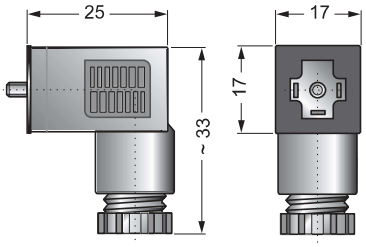
CARATTERISTICHE TECNICHE

Tensioni standard	*12, 24, V DC* *24,115, 230 V AC (50/60 Hz)*
Altre tensioni	*Interpellare il ns. servizio tecnico commerciale*
Funzionamento	*100% ED alla potenza ed alla temperatura ambiente indicata*
Potenza assorbita a 20 C°	*2,5 Watt in DC; 3,6 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*
Bobina	*Bobina completa classe F*
Materiali	*Rivestimento nylon caricato vetro filo di rame classe H*

CEP/ 0 . . . . . .

SOLENOID CONNECTORS
CONNETTORI





CODES / *CODICI*

Description *Descrizione*	Code *Codice*	Voltage *Tensione*
Universal connector *Connettore universale*	CEP/0	All tension *Tutte le tensioni*
Connector with led *Connettore con led*	CEP/0 L 10 / 50 CEP/0 L 70 / 250	10/50 V AC / DC 70/250 V AC / DC
Connector with led and varistor *Connettore con led e varistore*	CEP/0 LV 24 CEP/0 LV 110 CEP/0 LV 220	24 V AC / DC 115 V AC / DC 230 V AC / DC

TECHNICAL FEATURES

Wire connection	With screwed terminals
Gland thread	PG 7
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 7*
N° Poli	*2 Poli + terra*
Colori connettore	*Nero, trasparente nelle versioni con led.*