



FIVE WAY AIR OPERATED VALVE

**M40 / M41
M42 / M47**

GENERAL DESCRIPTION / APPLICATIONS / DIMENSIONS (mm)



Five way, two or three position, air operated valve.

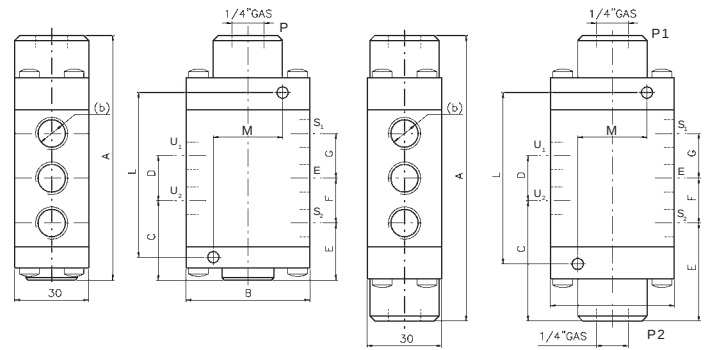
Suitable for gaseous media. Model for liquid media available upon request.

Stainless steel internal parts. Stainless steel spring.

Stainless steel internal parts.

Stainless steel springs.

Mountable in any position.



PNEUMATIC ACTUATOR INFORMATION

Simple effect actuator with spring return.
Driven with pneumatic spring return for monostable valve.
Direct acting with spring return for two position valve.
Direct acting with spring return for three position valve.

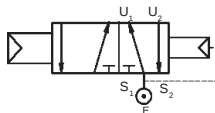
Min. operating pressure:

1/10 of exercise pressure with a min. pressure of 1 bar.

Max. operating pressure:

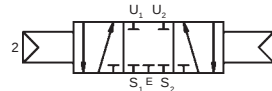
Exercise pressure.

OPERATION



M40 - Single actuator Monostable

In: E
At rest: from E to U1.
from U2 to S2.
Air in P: from E to U2.
from U1 to S1.



M42 - Double actuator Bistable, closed center.

In: E
Air in P1: from E to U1.
from U2 to S2.
Air in P2: from E to U2.
from U1 to S1.
At rest: E, U1, U2, S1, S2 closed



M41 - Double actuator Bistable

In: E
Air in P1: from E to U1.
from U2 to S2.
Air in P2: from E to U2.
from U1 to S1.
At rest: Latched on the last position.



M47 - Double actuator Bistable, open center.

In: E
Air in P1: from E to U1.
from U2 to S2.
Air in P2: from E to U2.
from U1 to S1.
At rest: from U1 to S1
from U2 to S2

SPECIFICATIONS AND DIMENSIONS

MODEL					ORIFICE DIAMETER mm	PRESSURE IN BAR			Flow factor kv (liters/min.)	DIMENSION (millimeters)									WEIGHT Kgs
						NOMINAL MAX.	DIFFERENTIAL			A	B	C	D	E	F	G	L	M	
MIN.	MAX.																		
M 4 0	a	7 0	C _D		7	10	3	10	12,5	98,5	50	32	18	23	18	18	66	28	1
M 4 0		1 1	E _T		11	10	3	10	30	128,5	60	41	30	26	30	30	112	28	1
M 4 0		1 1	F _G		11	10	3	10	30	128,5	60	41	30	26	30	30	112	28	1
M 4 1		7 0	F _G		7	10	3	10	12,5	115	50	48,5	18	39,5	18	18	69	28	1,3
M 4 1		1 1	E _T		11	10	3	10	30	145	60	57,5	30	42,5	30	30	99	28	1,3
M 4 1		1 1	F _G		11	10	3	10	30	145	60	57,5	30	42,5	30	30	99	28	1,3
M 4 2		7 0	F _G		7	10	3	10	12,5	131	50	56,5	18	47,5	18	18	69	28	1,3
M 4 2		1 1	E _T		11	10	3	10	30	162	60	66	30	51	30	30	99	28	1,3
M 4 2		1 1	F _G		11	10	3	10	30	162	60	66	30	51	30	30	99	28	1,3
M 4 7		7 0	F _G		7	10	3	10	12,5	131	50	56,5	18	47,5	18	18	69	28	1,3
M 4 7		1 1	E _T		11	10	3	10	30	162	60	66	30	51	30	30	99	28	1,3
M 4 7		1 1	F _G		11	10	3	10	30	162	60	66	30	51	30	30	99	28	1,3

a Body material	b Port size	c Seals material		
T Brass. N Nickel-plated brass. I Stainless steel.	C 1/4" GAS E 3/8" GAS F 1/2" GAS D 1/4" NPT T 3/8" NPT G 1/2" NPT	0 Buna N 1 FPM 7 HNBR		

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