

# Pad valves Series PVV

The PVV series vacuum valves are one of the most functional and efficient solutions for vacuum control, specifically designed for applications where large suction capacities are required. Thanks to the vacuum breaker function they are particularly suitable for handling applications.



The valves are made for the 3 ways body in aluminum or bronze and at the top a double-acting compact cylinder for actuation.

## Construction characteristics

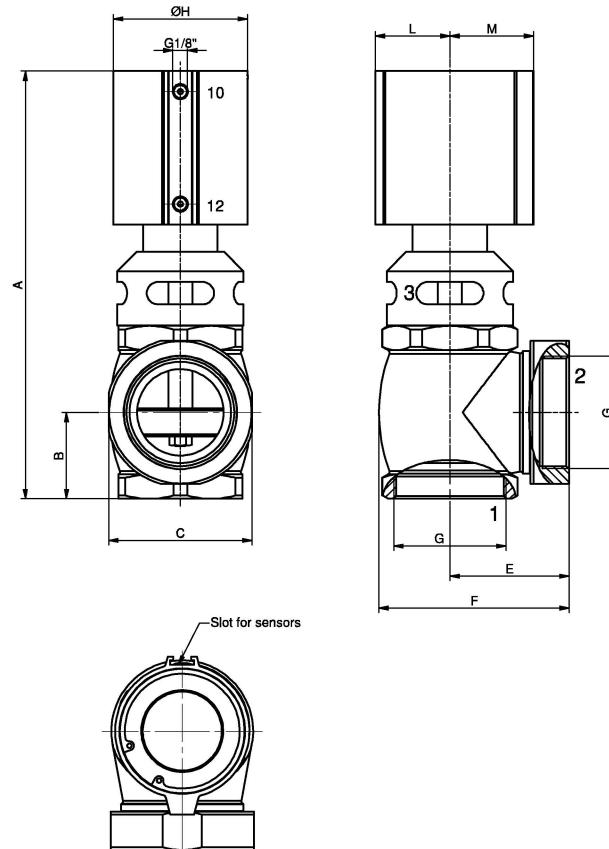
Valve body	G2" - Anodised aluminium / G1/2" - G3" - G4" - Bronze
Seals	NBR
Valve drain filter	Steel/Paper
Cylinder support	Anodised aluminium alloy
Cylinder	Anodised aluminium alloy
Cylinder seals	NBR
Cylinder piston rod material	C43 chromed

## Operational characteristics

Valve fluid	Vacuum	
Orifice size	ø DN see the table	
Temperature	-5°C ... +70°C	
Working pressure (-kPa)	101,3	
Cylinder fluid	Compressed air filtered and non lubricated, if lubricated must be continuous	
Cylinder bore	G2" = ø 63 mm G2 1/2" - G3" - G4" = ø 80 mm	
Working pressure (bar)	2 ... 6	
The liner profile of the cylinder allows use of magnetic sensors:		1500
		RS
		HS
		1580 With adapter 1580.01F
		MRS With adapter 1580.01F
		MHS With adapter 1580.01F

## Series PVV

### ► Vacuum pad valve "L" body



Ordering code	
<b>PVV.</b>	<b>M.D.E.P.L.C.N.S</b>
<b>M</b>	BODY MATERIAL A = Anodised aluminium (only for G2 1/2", G3" and G4")
<b>B</b>	B = Bronze (only for G2 1/2", G3" and G4")
<b>P</b>	PISTON N = Non magnetic M = Magnetic
<b>C</b>	CONNECTION H = G 2"
<b>L</b>	L = G 2" 1/2
<b>M</b>	M = G 3"
<b>N</b>	N = G 4"
<b>S</b>	EXHAUST F = Silenced L = Free

Table of dimensions

Size	A	B	C	DN	E	F	G	H	L	M
G2"	175	52,5	93	42	72	119	G2"	70	40	44
G2"1/2	290	58	96	50	80	128	G2"1/2	90	50	56
G3"	335	68	96	50	87	142	G3"	90	50	56
G4"	365	83	135	66	102	170	G4"	90	50	56

2-way valves to control fluids, pneumatic control with a compact double or single acting cylinder with connections that can turn 360°, seals in contact with fluid are made of NBR, FPM or PTFE. The liner profile allows use of PNEUMAX series 1500 magnetic sensors.

Construction characteristics	
Body valve	G 2" - Anodised aluminium
	G 2" 1/2 - G 3" - G 4" - Bronze
Spool support	Anodised aluminium
Shutter washers	Anodised aluminium
Seals	NBR
Filter	Steel/Paper
Cylinder support	Anodised aluminium
Body cylinder	Anodised aluminium
Rear end cap	Anodised aluminium
Piston	Anodised aluminium
Rod cylinder	C43 chromed
Cylinder connections	Orientable
Screws	Zinc plated steel

Operational characteristics	
Valve fluid	Vacuum
Outlet diameter	Ø DN (see the table)
Exhaust diameter	Ø DS (see the table)
Temperature	-5°C ... +70°C
Fluid cylinder	Air filtered (if lubricated must be continuous)
Bore cylinder	G2 - Ø63 G2 1/2 - G3 - G4 - Ø80
Pressure cylinder	2 ... 6 bar
Available sensors	"1500_ _" - "1580_ _" - "MRS_ _" - "MHS_ _" (* with adapter code 1580.01F)