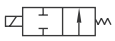
Solenoid valves, 2/2-way type, normally open, directly operated

»2KW« Series / Brass type

MV 1521–MV 1534, MVH 1521–MVH 1534

Symbol



Product features

- The valves do not require a minimum working pressure.
- The valves can be mounted in any position with no functional restrictions.
- The high-quality materials which are used for the valves and a series of extensive tests guarantee a long service life.
- The solenoid valves are in line with international standards.

Valve's specification

Acting	Direct acting				
Initial status	Normally opened				
Adaptable fluid	Air, Water, Oil				
Viscosity limit	Under 20 CST (mm²/s)				
Ambient and fluid temperature (°C)		Water	Air	Oil	Ambient
	Max.	80	90	80	70
	Min.	1	-20[1)]	-10[2)]	-20

[1)] Dew point: -20 (°C) or less;
[2)] 50 CST or less.

Specifications / Technical data

Art. No.	Power type	Port size	Nominal width (mm)	Cv	Weight (g)	Max. operating pressure difference		Proof pressure	
						bar	psi	bar	psi
MV 1521	230 V AC, 50 Hz	1/8"	3.0	0.33	315	7	100	30	450
MV 1522		1/4"			305				
MV 1523		3/8"	5.0	0.83	635	7	100		
MV 1524		1/2"			615				
MVH 1521		1/8"	1.5	0.10	315	20	300		
MVH 1522		1/4"			305				
MVH 1523		3/8"	3.0	0.34	635	20	300		
MVH 1524		1/2"			615				
MV 1531	24 V DC	1/8"	3.0	0.33	315	7	100		
MV 1532		1/4"			305				
MV 1533		3/8"	5.0	0.83	635	7	100		
MV 1534		1/2"			615				
MVH 1531		1/8"	1.5	0.10	315	20	300		
MVH 1532		1/4"			305				
MVH 1533		3/8"	3.0	0.34	635	20	300		
MVH 1534		1/2"			615				

Ordering information

Art. No.	Type
MV 1521–MV 1524	Normally open, (NO), directly operated, 230 V, 50 Hz, standard type
MVH 1521–MVH 1524	Normally open, (NO), directly operated, 230 V, 50 Hz, for high pressures
MV 1531–MV 1534	Normally open, (NO), directly operated, 24 V DC, standard type
MVH 1531–MVH 1534	Normally open, (NO), directly operated, 24 V DC, for high pressures

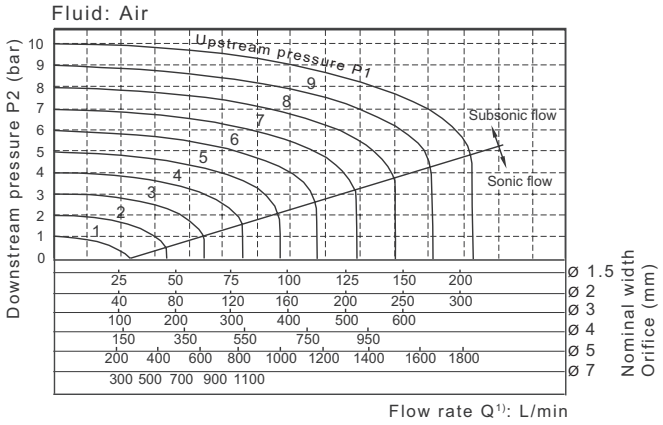
Solenoid valves, 2/2-way type, normally open, directly operated

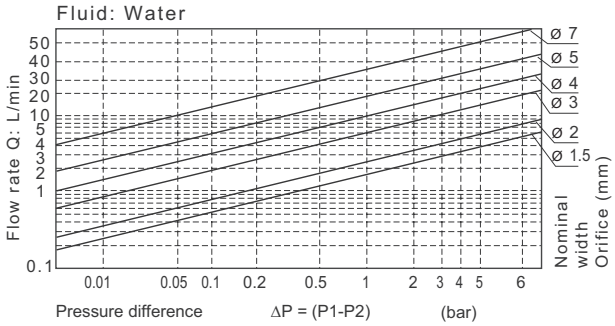
RIEGLER Pneumatics, ideas and more

»2KW« Series / Brass type

MV 1521–MV 1534, MVH 1521–MVH 1534

Flow chart





¹⁾ Flow rates are based on standard conditions (temperature 20 °C, ambient pressure 1013 mbar, relative air humidity 65%)

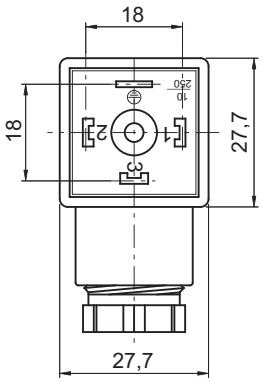
Specification of coil

Valve size	Coil type	Power type¹⁾	Frequency (Hz)¹⁾	Voltage range	Electrical entry	Power consumption (VA/W)	Insulation/ protection	Temp. rise (°C)
G 1/8", G 1/4"	CDA116	230 V AC	50	±15%	Terminal (CDA)	15.0 VA	Class B IP65	50
		24 V DC	-	±10%		6.5 W		30
G 3/8", G 1/2"	CDA170	230 V AC	50	±15%		35.0 VA		65
		24 V DC	-	±10%		10.5 W		40

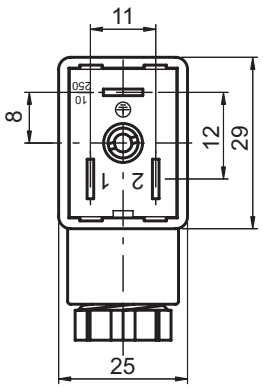
¹⁾ Other voltage or frequency on request.

Art. No.	Connector socket
MV 1521	Special (similar to form B)
MV 1522	Special (similar to form B)
MV 1523	Form A acc. to ISO 4400
MV 1524	Form A acc. to ISO 4400
MVH 1521	Special (similar to form B)
MVH 1522	Special (similar to form B)
MVH 1523	Form A acc. to ISO 4400
MVH 1524	Form A acc. to ISO 4400
MV 1531	Special (similar to form B)
MV 1532	Special (similar to form B)
MV 1533	Form A acc. to ISO 4400
MV 1534	Form A acc. to ISO 4400
MVH 1531	Special (similar to form B)
MVH 1532	Special (similar to form B)
MVH 1533	Form A acc. to ISO 4400
MVH 1534	Form A acc. to ISO 4400

Form A



Special

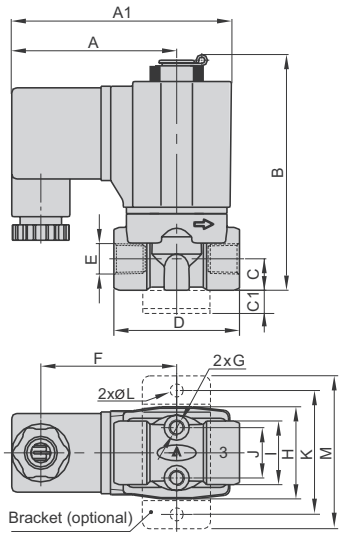


»2KW« Series / Brass type

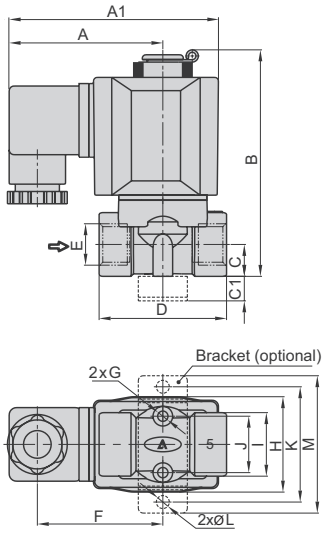
MV 1521–MV 1534, MVH 1521–MVH 1534

Dimensions

G 1/8", G 1/4"



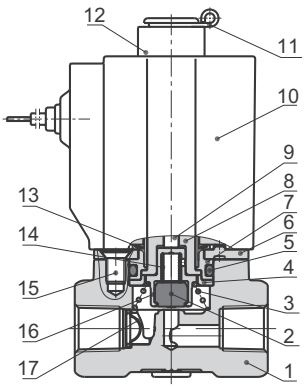
G 3/8", G 1/2"



Valve size	A	A1	B	C	C1	D	E	F	G	H	I	J	K	L	M
G 1/8"	52.5	70	76	10	10	40	1/8"	43.3	M5	29.3	20.2	16	40	5.3	49
G 1/4"	52.5	70	76	10	10	40	1/4"	43.3	M5	29.3	20.2	16	40	5.3	49
G 3/8"	62.7	85	92	13	10	52	3/8"	51.2	M5	39	26	23	48	5.3	56
G 1/2"	62.7	85	92	13	10	52	1/2"	51.2	M5	39	26	23	48	5.3	56

(Values in mm, exception valve size, E = inch)

Components and materials



No.	Item	Material
1	Body	Brass
2	Gasket	FPM
3	Spring	Stainless steel
4	Flange	Stainless steel
5	O-ring	FPM
6	Fixed plate	Steel
7	Fixed cap	Stainless steel
8	Electromagnet	Stainless steel
9	Control pin	Stainless steel
10	Coil	
11	Clip	Steel
12	Distance collet	Aluminium
13	Spring washer	Steel
14	Spring	Stainless steel
15	Screw	Steel
16	Sealing tappet	Stainless steel
17	Filter	Stainless steel
–	Plug	Plastic