

Electro-Pneumatic Valves

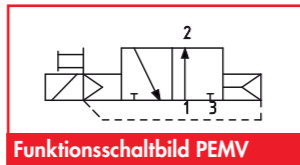
3/2-ways pneumatic valve PEMV

Description

Robust 3/2-ways valve, pneumatically controlled with spring return for vacuum and compressed air applications. The valves are generally supplied in NO design (currentless open); in case of a sudden power failure the valve remains in the condition „suction“. Due to the pneumatic control the valve have a low electrical power consumption with a simultaneous high flow rate.

Application

- for „suction“ and „release“ control
- control of ejectors and pneumatic parts
- any mounting position



Funktionsschaltbild PEMV



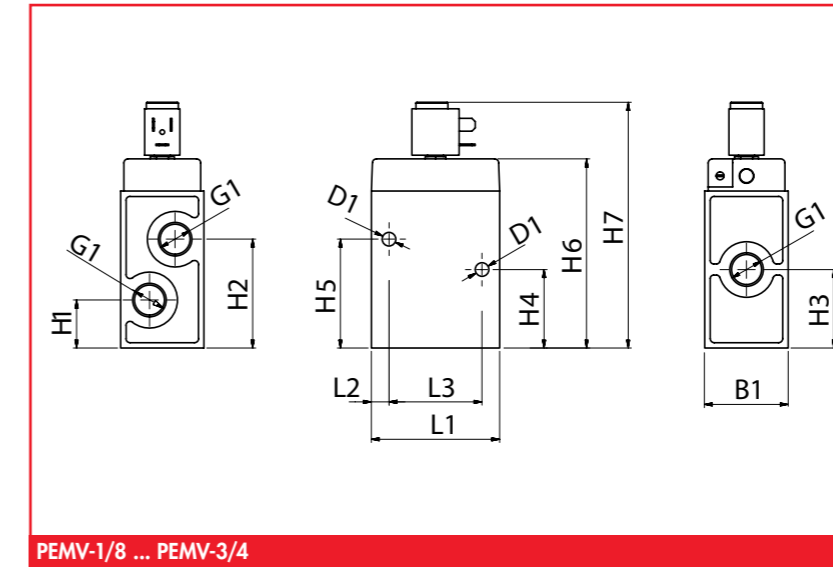
PEMV-1/8 ... PEMV-3/4

FEZER

Simply move more.

Electro-Pneumatic Valves

3/2-ways pneumatic valve PEMV



PEMV-1/8 ... PEMV-3/4

Dimensions

Type	L1	L2	L3	B1	H1	H2	H3	H4	H5	H6	H7	D1	G1
PEMV-3/2-1/8-24V	45	6	40	26	12,5	31,5	22	12,5	12,5	65	97	5,5	G1/8
PEMV-3/2-1/4-24V	50	6	45	30	17	41	29	12,5	22,5	80	112	6,5	G1/4
PEMV-3/2-1/2-24V	80	11	58	52	30	68	49	49	68	118	165	8,5	G1/2
PEMV-3/2-3/4-24V	92	10	72	68	34	78	56	56	78	138	171	8,5	G3/4

Article number

Type		Replacement magnet coil	Replacement connection plug	suitable Ventilation filter		suitable Vacuum filter	
PEMV-3/2-1/8-24V	1.51.2.0084	2.51.2.0072	2.51.2.0071	BFS-1/8	1.53.1.0012	VFK-1/8	1.53.2.0020
PEMV-3/2-1/4-24V	1.51.2.0085	2.51.2.0072	2.51.2.0071	BFS-1/4	1.53.1.0013	VFK-1/4	1.53.2.0018
PEMV-3/2-1/2-24V	1.51.2.0086	2.51.2.0072	2.51.2.0071	BFS-1/2	1.53.1.0014	VFK-1/2	1.53.2.0021
PEMV-3/2-3/4-24V	1.51.2.0087	2.51.2.0072	2.51.2.0071	BFS-3/4	1.53.1.0016	VFK-3/4	1.53.2.0022

Technical data

Type	Pressure range (bar)	Nominal width (mm)	Flow rate		Switch. cycles (1/min)	Switching time (ms)	Temperature (°C)	Weight (kg)
			(m³/h)	(l/s)				
PEMV-3/2-1/8-24V	-0,95 ... 8	5	9,0	2,5	1200	30	-5 ... +45	0,30
PEMV-3/2-1/4-24V	-0,95 ... 8	7	13,3	3,7	1200	45	-5 ... +45	0,40
PEMV-3/2-1/2-24V	-0,95 ... 8	14	53,3	14,8	800	90	-5 ... +45	1,25
PEMV-3/2-3/4-24V	-0,95 ... 8	19	84,6	23,5	800	40	-5 ... +45	1,45

Electrical data

Type	Voltage (V)	Power (W)	Safety class	Isolation class	On-time	Connection
PEMV-3/2-1/8-24V	24	4,5	IP 65	H	100 %	MSSD-F, 3S
PEMV-3/2-1/4-24V	24	4,5	IP 65	H	100 %	MSSD-F, 3S
PEMV-3/2-1/2-24V	24	4,5	IP 65	H	100 %	MSSD-F, 3S
PEMV-3/2-3/4-24V	24	4,5	IP 65	H	100 %	MSSD-F, 3S

FEZER

Simply move more.