

Solenoid Valves

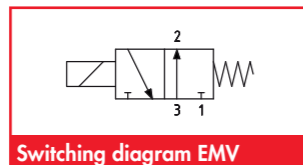
3/2-Ways-Solenoid Valve EMV

Description

Robust 3/2-ways valve, directly controlled with spring return. The valves are generally in NO design (currentless open), which keeps the valve in the „suction“-condition in case of a sudden power failure.

Application

- for „suction“ and „release“ control
- any mounting position
- separate blow-off impulse with max.2 bar



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Article number

Type	Valve	Valve complete *	Replacement plug	suitable ventilation filter	suitable vacuum filter	
EMV-3/2-R1/2-24V	1.51.2.0016	1.51.2.0015	2.51.2.0015	BFS-1/2	1.53.1.0014	VF-1/2
EMV-3/2-R1/2-230V	1.51.2.0014	1.51.2.0013	2.51.2.0014	BFS-1/2	1.53.1.0014	VF-1/2
EMV-3/2-R3/4-24V	1.51.2.0020	1.51.2.0019	2.51.2.0020	BFS-3/4	1.53.1.0015	VF-3/4
EMV-3/2-R3/4-230V	1.51.2.0018	1.51.2.0017	2.51.2.0019	BFS-3/4	1.53.1.0015	VF-3/4
EMV-3/2-R1-24V	1.51.2.0024	1.51.2.0023	2.51.2.0020	BFS-1	1.53.1.0016	VF-11/4
EMV-3/2-R1-230V	1.51.2.0022	1.51.2.0021	2.51.2.0019	BFS-1	1.53.1.0016	VF-11/4

* incl. ventilation filter and 2 hose nipples

Technical data

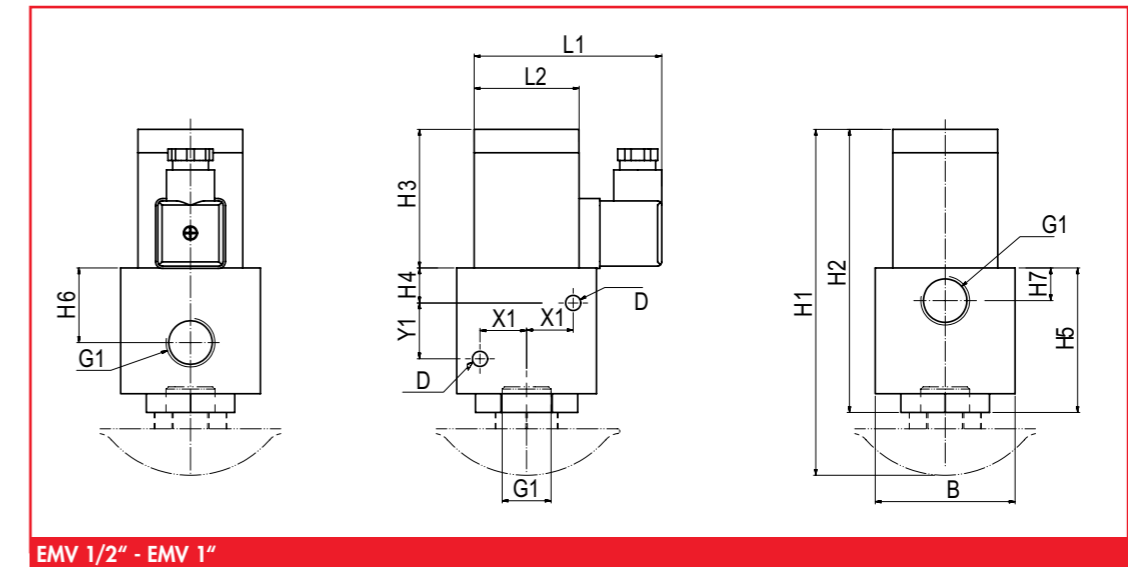
Type	Pressure range (bar)	Nominal width (mm)	Flow rate		Switch.cycles (1/min)	Switching time (ms)	Temperature (°C)	Weight (kg)
			(m³/h)	(l/s)				
EMV-3/2-R1/2-24V	-1 ... +1	12	36	10,0	70	30	-5 ... +45	1,0
EMV-3/2-R1/2-230V	-1 ... +1	12	36	10,0	70	30	-5 ... +45	1,0
EMV-3/2-R3/4-24V	-1 ... +1	20	70	19,4	70	130	-5 ... +45	5,6
EMV-3/2-R3/4-230V	-1 ... +1	20	70	19,4	70	130	-5 ... +45	5,6
EMV-3/2-R1-24V	-1 ... +1	25	73	20,3	70	130	-5 ... +45	5,4
EMV-3/2-R1-230V	-1 ... +1	25	73	20,3	70	130	-5 ... +45	5,4

Electrical data

Type	Voltage (V)	Current consump. (A)	Safety class	Isolation class	On-time	Connection
EMV-3/2-R1/2-24V	24	0,76	IP 65	F	100 %	DIN 43650, Form A
EMV-3/2-R1/2-230V	230, 50Hz	0,16	IP 65	F	100 %	DIN 43650, Form A
EMV-3/2-R3/4-24V	24	1,70	IP 65	F	100 %	DIN 43650, Form A
EMV-3/2-R3/4-230V	230, 50Hz	0,16	IP 65	F	100 %	DIN 43650, Form A
EMV-3/2-R1-24V	24	1,70	IP 65	F	100 %	DIN 43650, Form A
EMV-3/2-R1/4-230V	230, 50Hz	0,16	IP 65	F	100 %	DIN 43650, Form A

Solenoid Valves

3/2-ways solenoid valve EMV



Dimensions

Type	L1	L2	B1	B2	H1	H2	H3	H4	H5	H6	H7	D1	G1	X1	Y1
EMV-3/2-R1/2-24V	88	45	60	80	162	121	60	14	62	32	14	6,5	G1/2	20	25
EMV-3/2-R1/2-230V	88	45	60	80	162	121	60	14	62	32	14	6,5	G1/2	20	25
EMV-3/2-R3/4-24V	130	80	100	80	257	206	80	30	118	75	30	9	G3/4	40	45
EMV-3/2-R3/4-230V	130	80	100	80	257	206	80	30	118	75	30	9	G3/4	40	45
EMV-3/2-R1-24V	130	80	100	80	257	206	80	30	118	75	30	9	G1	40	45
EMV-3/2-R1-230V	130	80	100	80	257	206	80	30	118	75	30	9	G1	40	45

Connections and control

Type	Hose connections			Electrical control for „suction“ - „release“				
	1	2	3	Function:	Terminal 1	Terminal 2	Terminal 3	Description
EMV-3/2-R1/2	Ventilation	Suction Pad	Vacuum	Suction:		-		
				Release:		-	+	positive switching
EMV-3/2-R3/4	Ventilation	Suction Pad	Vacuum	Suction:		-		
				Release:		-	+	positive switching
EMV-3/2-R1	Ventilation	Suction Pad	Vacuum	Suction:		-		
				Release:		-	+	positive switching

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