



Normally open
Force-actuated diaphragms

Rp 3/8 - 1/2 - 3/4

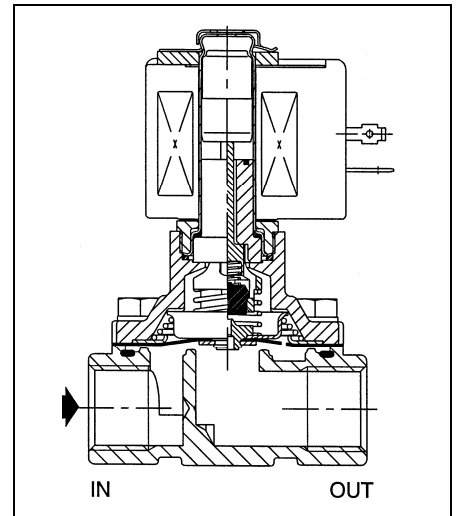
MV 2216 - MV 2236
MV 2217 - MV 2237
MV 2218 - MV 2238

Description

- Shut-off valve for controlling air, inert gas, water, light oil and other media according to the sealants that are used.
- The valves do not require a minimum working pressure.
- 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.

General

Pressure difference 0 to 9 bar [1 bar = 100 kPa]
Permissible static pressure 18 bar
Maximum viscosity 65 cSt (mm²/s)
Response time 15 to 120 ms



Medium	Temperature range (1)	Sealant	Art. No. – Ident No.	
			NBR	FPM
Air, gas, water, light oil	-20 °C to 85 °C -20 °C to 120 °C	NBR FPM	MV 2216 (G) – 102845 (102851)	MV 2236 - 102846
			MV 2217 (G) – 102847 (102852)	MV 2237 - 102848
			MV 2218 (G) – 102849 (102853)	MV 2238 - 102850

(1) At temperatures below zero the medium may freeze and damage the valve.

Electrical data

Voltages (2) DC (=) 24 V - 12 V Please use the suffix »G« to order DC valves
 AC (~) 24 V/50 Hz - 110 V/50 Hz - 230 V/50 Hz

(2) Other voltages and 60 Hz frequency on request

Coil type	Pickup ~ (VA)	Power			Hot/cold = (W)	Ambient temperature (1) (°C)	Degree of protection (with connector socket fitted)
		Holding					
		~ (VA)	~ (W)	= (W)			
CMXX-FT	55	23.0	10.5	9 / 11.2	-20 to +75	IP 65	

Characteristics

Con- nec- tion (Rp)	Nom. width (mm)	Flow coefficient Cv (m ³ /h) (l/min)		Working pressure difference (bar)						Coil type		Catalogue number Please use the suffix »G« to order DC (=)		
				max.										
				min.	Air/gas		Water		Oil<65cSt					
					~	=	~	=	~	=	~	=	NBR	FPM
3/8	16	2.6	43	0	9	9	9	3	9	5	CMXX-FT	CMXX-FT	MV 2216	MV 2236
1/2	16	3.4	57	0	9	9	9	3	9	5	CMXX-FT	CMXX-FT	MV 2217	MV 2237
3/4	19	4.7	79	0	9	9	9	3	9	5	CMXX-FT	CMXX-FT	MV 2218	MV 2238

Design features

	MV 2216 to MV 2218	MV 2236 to MV 2238
Body	Brass	Brass
Guide pipe	Stainless steel	Stainless steel
Armature of magnet and counter-armature	Stainless steel	Stainless steel
Springs	Stainless steel	Stainless steel
Valve seat	Brass	Brass
Seals	NBR	FPM
Diaphragms and valve disc	NBR	FPM
Disc mount	PA	PA
End ring	Copper	Copper
Insulation class (coil)	F	F
Elektrischer connection	ISO 4400; connector socket (PG 11P)	ISO 4400; connector socket (PG 11P)
Electrical design	IEC 335	IEC 335

Main spare parts

Order No.	Spare parts set	Diaphragms
MV 2216	302334	222334-036
MV 2216 G	302449	222334-036
MV 2217	302334	222334-036
MV 2217 G	302449	222334-036
MV 2218	302335	222334-028
MV 2218 G	302450	222334-028
MV 2236	302334 V	222334-038
MV 2236 G	302449 V	222334-038
MV 2237	302334 V	222334-038
MV 2237 G	302449 V	222334-038
MV 2238	302335 V	222334-039
MV 2238 G	302450 V	222334-039

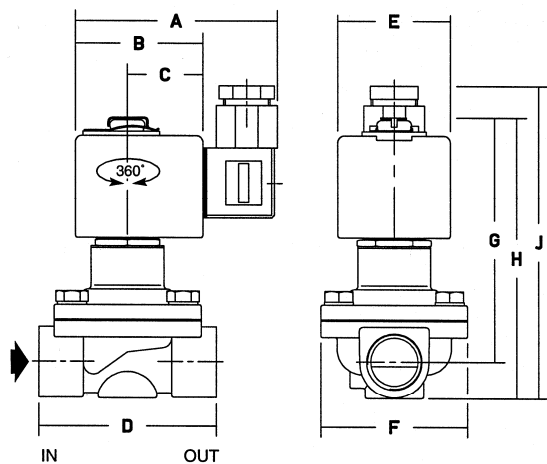
Coils

Order No.	Coils				Insulation class	Max. perm. operating temperature °C	Max. perm. temperature rise °C*	Max. perm. ambient temperature °C**
	~ (2)	V	= (3)	V				
MV 2216 MV 2236 MV 2217 MV 2237 MV 2218 MV 2238	400425-101 400425-107 400425-117	24 110 230	400425-141 400425-142	12 24	FT	155	80	75

(2) Other voltages and 60 Hz frequency on request
 (3) Please use the suffix »G« to order DC valves

* Coil temperature after energising
 **Additional effect of the medium temperature within the value range stated in the catalogue

Dimensions [mm], weights [g]



Order No.	2216	2216 G	2218	2218 G
»MV«	2217	2217 G	2238	2238 G
	2236	2236 G		
	2237	2237 G		
A	80		80	
B	50		50	
C	30		30	
D	70		70	
E	45		45	
F	58		58	
G	98		102	
H	112		117	
J	127		132	
Weight (4)	900		1000	

Special designs (on request)

- Seals and valve disc made of EPDM (ethylene-propylene), CR (neoprene)
- Flameproof body in accordance with CENELEC and national standards
- Compliance with "CSA" and "UL" standards
- Heavy-duty coil
- Assembly clamp for valves with a brass body
- Connector socket with LED and suppressor circuit

Installation

- Any mounting position
- Other threaded connections on request
- Assembly and servicing instructions enclosed with each valve
- Spare parts and replacement coils (see above)