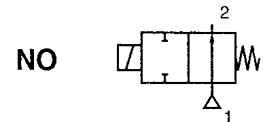




Normally open
Directly actuated

G 1/4

MV 2215
MV 2235

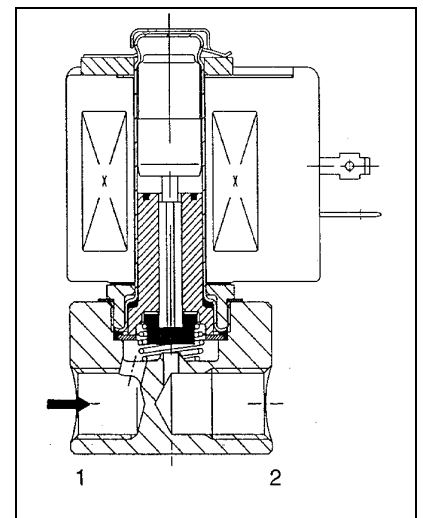


Description

- 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.

General

Pressure difference 0 to 9 bar [1 bar = 100 kPa]
Permissible static pressure 50 bar
Maximum viscosity 65 cSt (mm²/s)
Response time 5 to 25 ms



Medium	Temperature range (1)	Sealant	Art. No.	Ident No.
Air, gas, water, light oil	-25 °C to 80 °C	NBR	MV 2215 (G)	102829 (102832)
	-15 °C to 100 °C	FPM	MV 2235	102830

(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	Power				Ambient temperature (1)	Degree of protection (with connector socket fitted)
	Pickup	Holding		=		
		~	~			
CMXX-FT	(VA)	(VA)	(W)	(W)	(°C)	
	34.0	15.6	10.5	11.2	-20 to +75	IP 65

Characteristics

Con- nec- tion	Nom. width	Flow coefficient (Cv)		Working pressure difference (bar)						Coil type		Catalogue number		
				max.										
				min.		Air/gas		Water						Oil<65cSt
G	(mm)	(m ³ /h)	(l/min)	~	=	~	=	~	=	~	=	~	=	
1/4	3.2	0.30	5.0	0	9.0	5.5	7.0	4.0	6.5	4.0	CMXX-FT	CMXX-FT	MV 2215 MV 2235	MV 2215 G MV 2235 G

Design features

	MV 2215	MV 2235
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
Valve disc	NBR	FPM
Disc mount	PA (nylon)	PA (nylon)
End ring	Copper	Copper
Insulation class (coil)	F	F
Electrical 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 2215 MV 2215 G	302051 302080	None
MV 2235 MV 2235 G	302051 V 302080 V	None

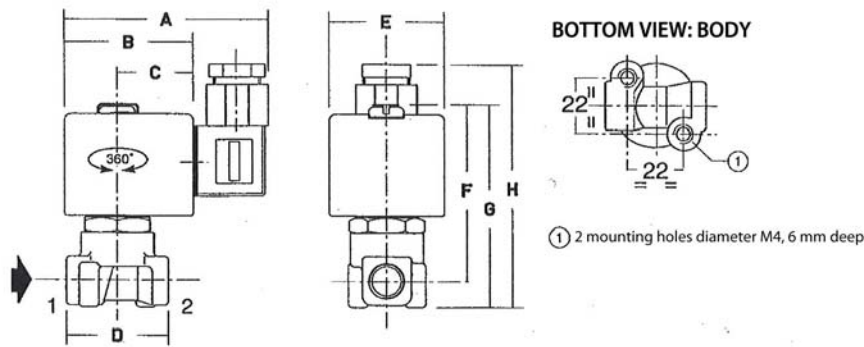
Coils

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 2215 MV 2235	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 valve range stated in the catalogue

Dimensions [mm], weights [g]



Order No.	MV 2215	MV 2235
A	80	
B	50	
C	30	
D	40	
E	45	
F	69	
G	79	
H	96	
Weight (4)	500	

(4) Including coil and connector socket

Special designs (on request)

- Seals and valve disc made of EPDM (ethylene-propylene), PTFE, CR (neoprene)
- Flameproof body in accordance with CENELEC and national standards
- Assembly clamp for valves with a brass body
- Manual override
- Connector socket with LED and suppressor circuit

Installation

- Any mounting position
- Valve bodies supplied with two mounting holes
- Threaded connections: G = G (ISO 228-1)
- Other threaded connections on request
- Assembly and servicing instructions enclosed with each valve
- Spare parts and replacement coils (see above)