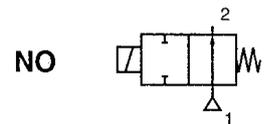




Normally open  
Directly operated

Rp 1/8

**MV 2214**  
**MV 2234**

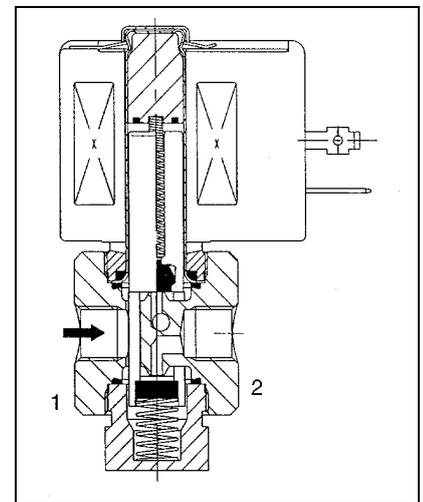


**Description**

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

**General**

**Pressure difference** 0 to 20 bar [1 bar = 100 kPa]  
**Permissible static pressure** 35 bar  
**Maximum viscosity** 65 cSt (mm<sup>2</sup>/s)  
**Response time** 5 to 25 ms



Medium	Medium temperature (1)	Seals	Art. No.	Ident No.
Air, gas, water, light oil	-25 °C to 80 °C	NBR	MV 2214	102827
	-15 °C to 100 °C	FPM	MV 2234	102828
	-25 °C to 80 °C	NBR	MV 2214 G	102831

(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		=		
		(VA)	(VA)			
CM6-FT	34.0	15.6	6.0	9.7	-20 to +75	IP65

**Characteristics**

Con- nec- tion	Nom- inal dia- meter	Flow coefficient Kv		Operating pressure difference (bar)						Coil type		Catalogue no.		
				Min.	Max.									
					Air/gas	Water		Oil<65cSt						
Rp	(mm)	(m <sup>3</sup> /h)	(l/min)		~	=	~	=	~	=	~	=	~	=
1/8	2.4	0.13	2.7	0	20	13	13	7	10	7	CM6-FT	CM6-FT	MV 2214 MV 2234	MV 2214 G MV 2234 G

**Design features**

	MV 2214	MV 2234
Body	Brass	Brass
Guide tube	Stainless steel	Stainless steel
Magnet armature and armature plug	Stainless steel	Stainless steel
Springs	Stainless steel	Stainless steel
Valve seat	Brass	Brass
Seals	NBR	FPM
Valve disc	NBR	FPM
Shading 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.	Repair kit	Diaphragms
MV 2214 MV 2214 G	97847 100-056	None
MV 2234 MV 2234 G	97847V 100-056V	None

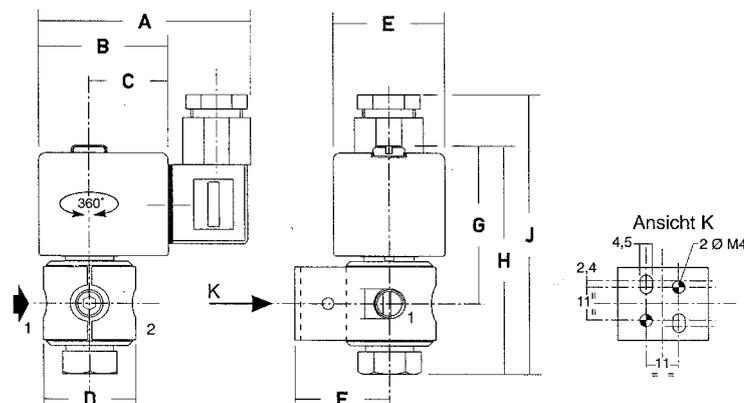
**Coils**

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 2214 MV 2234	400-325-101 400-325-107 400-325-117	24 110 230	400-325-141 400-325-142	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.	MV 2214	MV 2234
A	75	
B	45	
C	27	
D	33	
E	39	
F	33	
G	57	
H	79	
J	95	
<b>Weight (4)</b>	450	

(4) Including coil and connector socket

**Special versions (on request)**

- Seals and valve disc made of EPDM (ethylene-propylene), PTFE and CR (neoprene)
- Explosion proof body in accordance with CENELEC and national standards
- Mounting bracket for valves with a brass body
- Manual operator
- Connector socket with LED and protective circuit

**Installation**

- Any mounting position
- Valve bodies have two mounting holes
- Screw connections: Rp (ISO 7-1)
- Other screw connections on request
- Installation and maintenance instructions enclosed with each valve
- Spare parts and replacement coils (see above)