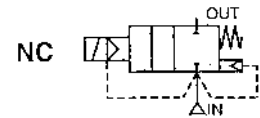




**Normally closed  
Pilot-controlled piston**

**Rp 2**

**MV 1222**

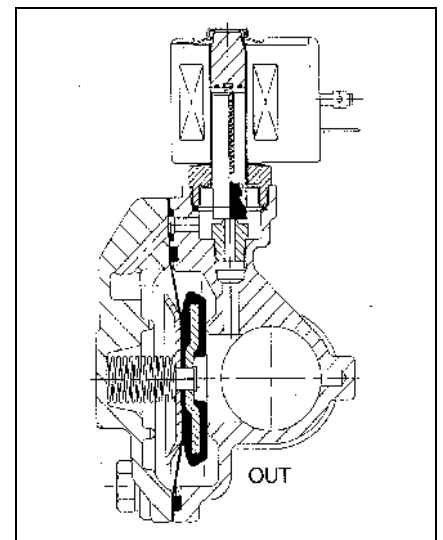


**Description**

- 2-way solenoid valves for controlling air, inert gas, water, light oil and other media automatically according to the sealants that are used.
- The solenoid valves are designed for operation at a minimum UP of **0.35 bar**.
- 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**

<b>Pressure difference</b>	0.35 to 9 bar [1 bar = 100 kPa]
<b>Permissible static pressure</b>	20 bar
<b>Maximum viscosity</b>	65 cSt (mm <sup>2</sup> /s)
<b>Response time</b>	40 to 120 ms



Medium	Temperature range (1)	Sealant	Art. No. - Ident No.	
Air, gas, water, light oil	-20 °C to 85°C -10 °C to 130°C	NBR FPM	NBR MV 1222 - 102866 MV 1222 G - 102879	Air, gas, water, light oil

(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			Hot/cold =	Ambient temperature (1)	Degree of protection (with connector socket fitted)
	Pickup ~	Holding ~				
		(VA)	(VA)			
CM6-FT CMXX-FT	34.0 -	15.6 -	6.0 -	- 9 / 11.2	-20 to +75 -20 to +75	IP 65 IP 65

**Characteristics**

Con- nec- tion	Nom. width	Flow coefficient Cv		Working pressure difference (bar)				Coil type		Catalogue number Please use the suffix »G« to order <b>DC valves (=)</b>		
				Min.	Max.							
					Air/gas	Water/oil<65cSt						
(Rp)	(mm)	(m <sup>3</sup> /h)	(l/min)	~	(Rp)	(mm)	(m <sup>3</sup> /h)	(l/min)		~	(Rp)	
2	44	37.0	617	0.35	9	2	44	37.0	617	0.35	9	2

**Design features**

	MV 1222	On request
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
Piston	Stainless steel	Stainless steel
Piston seal	NBR	NBR
Piston rings	PTFE (graphite-reinforced)	PTFE (graphite-reinforced)
End ring		
Insulation class (coil)	Copper	Copper
Electrical connection	F	F
Electrical design	ISO 4400; connector socket (PG 11P) IEC 335	ISO 4400; connector socket (PG 11P) IEC 335

**Main spare parts**

Order No.	Spare parts set
MV 1222	304355
MV 1222 G	304359

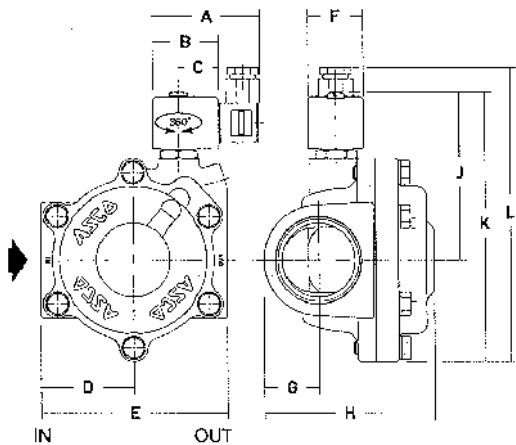
**Coils**

Order No.	Coils				Insulation class	Max. perm. operating temperature °C	Max. perm. temperature rise °C* ~ (2)	Max. perm. ambient temperature °C** V
	~ (2)	V	= (3)	V				
MV 1222	400-325-101 400-325-107 400-325-117	24 110 230	400-425-141 400-425-142	12 24	FT	MV 1222	400-325-101 400-325-107 400-325-117	24 110 230

(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 1222	MV 1222 G
A	75	80
B	45	50
C	27	30
D	40	40
E	129	129
F	39	45
G	38	38
H	119	119
J	116	120
K	186	190
L	203	207
Weight (4)	5500	5500

(4) Including coil and connector socket

**Special designs (on request)**

- Seals and valve disc made of EPDM (ethylene-propylene), PTFE, CR, FPM
- Flameproof body in accordance with CENELEC and national standards
- Heavy-duty coil
- Assembly clamp for valves with a brass body
- Manual override
- Connector socket with LED and suppressor circuit
- Water-tight body with integrated magnet and screw terminals, cable gland (PG 13.5) acc. to CEE-10 (IP67)

**Installation**

- Any mounting position
- Threaded connections: ISO 7-1
- Other threaded connections on request
- Assembly and servicing instructions enclosed with each valve
- Spare parts and replacement coils (see above)