



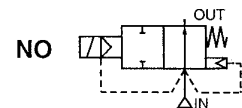
Open when de-energised
 Pilot-controlled diaphragm valve

MV 1381	MV 1391 G
MV 1382	MV 1392 G
230/50	24= (G)

CE

Features

- Shut-off valves for gaseous and liquid media which are compatible with the materials used
- The valves do not require a minimum working pressure
- The **compact type of construction, easy installation and short response times** are characteristic of this modern valve design
- Any mounting position
- The high-quality materials which are used for the valves and a series of extensive tests guarantee a long service life



Applications

Compact solenoid valve for use in industrial automation and thermodynamics.

Typical applications

Art. No. – Ident No.		Medium (2)	Sealants	Temperature range (1)
MV 1381 - 102947 MV 1382 - 102948	MV 1391 G - 102954 MV 1392 G - 102955	Air, inert gases, water	NBR	Medium temp. -10 °C to 90 °C Ambient temp. -10 °C to 80 °C

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

(2) Please note the resistance and viscosity

Electrical data

Valve		Coil type	Power [W]				Temperature			Degree of protection (EN 60529)
			Pickup	Holding	=	(°C)	Protection class	CDF		
MV 1381 MV 1382	MV 1391 G MV 1392 G	BDA							8	25
		BDF (protection class H)	180	H	100 %					

Characteristics

Connection ISO 228/1	Nominal width (mm)	Valve Art. No.	Coil Part No.	Cv (l/min)	Working pressure difference (bar)			Max. permissible viscosity	
					min.	~	=	cSt	°E
G	13	MV 1381	400-8223-17	60	0.2	16	16	12	~2
		MV 1391 G	400-8024-42						
1/2		MV 1382	400-8223-17	70		16	16		
		MV 1392 G	400-8024-42						

Dimensions [mm]

Connection		
Type	Thread ISO 228/1	
MV 1381	MV 1391 G	G 3/8
MV 1382	MV 1392 G	G 1/2

Dimensions			
Connection	A	B	C
G 3/8	40	97	60
G 1/2			66

Design features

Part	Material
Body	Brass 58
Armature guide pipe	Stainless steel AISI Series 400
Fixed armature	Stainless steel AISI Series 400
Moving armature	Stainless steel AISI Series 400
Phase displacement ring	Copper
Spring	Stainless steel AISI Series 300
Seal	NBR, on request: FPM
Seat	Brass 58
Connector	PG 9 or PG 11
Connector conformity	ISO 4400
Electrical conformity	IEC 335
Degree of protection	IP 65, EN 60529 (DIN 40050) (with connector socket fitted)

Coils

Part No.	Electrical data				
	Power	Voltage		CDF	Approval
	W	AC	DC		
400-8223-17	8	230/50		100	CE VDE
400-8024-01	8	24/50			
400-8024-42	8		24		
400-8012-41	8		12		
400-8110-07	8	110/60			

On request: 60 Hz / protection class H with "UL" conformity

Spare parts

Solenoid valve	Kit	Diaphragms
MV 1381 G	KTWA3ZOB13	R452186/B
MV 1382 G		
MV 1391 G		
MV 1392 G		

Installation

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

Special designs (on request)

- Cable socket with LED