



Closed when de-energised

Pilot-operated diaphragm valve

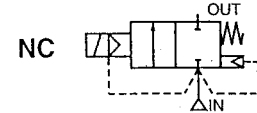
MV 1355 MV 1365 G
MV 1356 MV 1366 G
MV 1361 MV 1371 G
MV 1362 MV 1372 G

230/50 24 = (G)

CE

Features

- Media valve for shutting off gaseous or liquid media that are compatible with the materials used
- The valves require a minimum working pressure.
- A **compact design, easy installation** and **short response times** are typical features of this modern valve concept
- Any mounting position
- The high-quality materials used for the valves and extensive testing guarantee a long service life



Usage

Compact solenoid valve for use in industrial automation and thermodynamics.

Applications

Art. No. – Ident No.		Medium (2)	Seals	Temperature range (1)
MV 1355 - 102917 MV 1361 - 102923	MV 1365 G - 102934 MV 1371 G - 102940	Air, inert gases, water	NBR	Medium temp. -10 °C to 90 °C Ambient temp. -10 °C to 60 °C
MV 1356 - 102918 MV 1362 - 102924	MV 1366 G - 102935 MV 1372 G - 102941	Mineral oils (2°E), benzine, gas oil	FPM	Medium temp. -10 °C to 140 °C Ambient temp. -10 °C to 60 °C

- (1) At temperatures below zero the medium may freeze and damage the valve
(2) Remember to take account of the resistance and viscosity

Electrical data

Valve		Magnet type	Power [W]				Temperature			Degree of protection (EN 60529)
			~			=	(°C)	Class	CDF	
				Pickup	Holding					
MV 1355 MV 1356 MV 1361 MV 1362	MV 1365 G MV 1366 G MV 1371 G MV 1372 G	LBA (standard)	5	15	11	5	155	F	100%	IP65
		LBF (class H)					180	H	100%	

Characteristics

Port DIN EN ISO 228-1	Nominal diameter	Valve	Magnet	Kv (l/min)	Operating pressure difference (bar)			Max permissible viscosity	
					Min.	Max.			
						G	(mm)	Art. No.	Part No.
3/8	13	MV 1355	400-5230-17	60	0.2	12		12	~2
		MV 1356	400-5230-17						
		MV 1365 G	400-5024-42				12		
		MV 1366 G	400-5024-42						
1/2		MV 1361	400-5230-17	70		12			
		MV 1362	400-5230-17						
		MV 1371 G	400-5024-42						
		MV 1372 G	400-5024-42				12		

Dimensions [mm]

Technical drawings of a solenoid valve. The front view (left) shows a width dimension of 22 and a base width dimension of A. The side view (right) shows a total height dimension of 39.5, a mounting bracket height of 27.5, a base width dimension of C, and a total length dimension of B. A detail of the connection port is labeled 'Anschluss'.

Port

Type		Thread DIN EN ISO 228-1
MV 1355	MV 1365 G	G 3/8
MV 1356	MV 1366 G	
MV 1361	MV 1371 G	G 1/2
MV 1372	MV 1372 G	

Dimensions

Port	A	B	C
G 3/8	40	84.5	60
G 1/2			66

Design features

Part

Body
Armature tube
Stationary armature
Moving armature
Phase displacement ring
Spring
Seal
Seat

Material

Brass 58
Stainless steel AISI Series 300
Stainless steel AISI Series 400
Stainless steel AISI Series 400
Copper
Stainless steel AISI Series 300
NBR / FPM
Brass 58

Plug connector
Connector conformity
Electrical conformity
Degree of protection

PG 9 or PG 11
ISO 4400
IEC 335
IP65, EN 60529 (DIN 40050) (with connector fitted)

Magnets

Part No.	Electrical data				
	Power	Voltage		CDF	Approval
	W	AC	DC	%	
400-5230-17	8	230/50		100	CE VDE
400-5024-01	8	24/50			
400-5024-42	8		24		
400-5012-41	8		12		
400-5110-07	8	110/60			UL

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

Spare parts

Solenoid valve	Kit	Diaphragm
MV 1355	KTGWA3ROB13	R452186/B
MV 1361		
MV 1365 G		
MV 1371 G		
MV 1356	KTGWA3ROV13	R452186/V
MV 1362		
MV 1366 G		
MV 1372 G		

Installation

- Any mounting position
- Screw connections: G (DIN EN ISO 228-1)
- Other screw connections on request
- Installation and maintenance instructions enclosed with each valve
- Spare parts and replacement solenoids (see above)

Special designs (on request)

- Cable socket with LED