



Closed when de-energised

Pilot-operated diaphragm valve

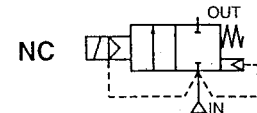
MV 1353	MV 1363 G
MV 1354	MV 1364 G
MV 1359	MV 1369 G
MV 1360	MV 1370 G

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 1353 - 102915 MV 1359 - 102921	MV 1363 G - 102932 MV 1369 G - 102938	Air, inert gases, water	NBR	Medium temp. -10 °C to 90 °C Ambient temp. -10 °C to 80 °C
MV 1354 - 102916 MV 1360 - 102922	MV 1364 G - 102933 MV 1370 G - 102939	Mineral oils (2°E), benzine, gas oil	FPM	Medium temp. -10 °C to 140 °C Ambient temp. -10 °C to 80 °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 1353 MV 1354 MV 1359 MV 1360	MV 1363 G MV 1364 G MV 1369 G MV 1370 G	BDA (standard)	8	25	14.5	8	155	F	100%	IP65
	BDF (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.		cSt	°E
						~	=		
3/8	13	MV 1353	400-8223-17	60	0.2	16	16	12	~2
		MV 1354	400-8223-17						
		MV 1363 G	400-4024-42						
		MV 1364 G	400-4024-42						
1/2	13	MV 1359	400-8223-17	70	0.2	16	16	12	~2
		MV 1360	400-8223-17						
		MV 1369 G	400-8024-42						
		MV 1370 G	400-8024-42						

Dimensions [mm]

Type		Thread DIN EN ISO 228-1
MV 1353	MV	G 3/8
MV 1354	MV	
MV 1359	MV	
MV 1360	MV	G 1/2

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

Design features

Part	Material
Body	Brass 58
Armature tube	Stainless steel AISI Series 300
Stationary 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 / FPM
Seat	Brass 58
Plug connector	PG 9 or PG 11
Connector conformity	ISO 4400
Electrical conformity	IEC 335
Degree of protection	IP65, EN 60529 (DIN 40050) (with connector fitted)

Magnets

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 / class H with "UL" conformity

Spare parts

Solenoid valve	Kit	Diaphragm
MV 1353	KTGWA3KOB13	R452186/B
MV 1359		
MV 1363 G		
MV 1369 G		
MV 1354	KTGWA3KOV13	R452186/V
MV 1360		
MV 1364 G		
MV 1370 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