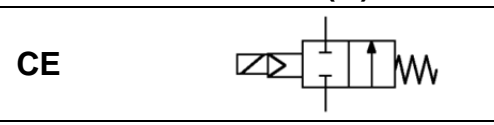




Open when de-energized
Pilot-operated diaphragm valve

MV 1383	MV 1393 G
MV 1384	MV 1394 G
MV 1385	MV 1395 G
MV 1386	MV 1396 G
MV 1387	MV 1397 G

230/50 **24= (G)**



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

Pilot-operated solenoid valve for use in industrial automation and thermodynamics

Directives / Standards

97/23/EG (DGRL)	Labeling from DN 32
94/9/EG (ATEX)	Option
RoHS	Conformity o.k.

Applications

Art. No. – Ident No.		Medium (2)	Seals	Temperature range (1)
MV 1383 - 102949	MV 1393 G - 102956	Air, inert gases, water	NBR standard	Medium temp. -10 °C to 90 °C Ambient temp. -10 °C to 80 °C
MV 1384 - 102950	MV 1394 G - 102957			
MV 1385 - 102951	MV 1395 G - 102958	On request	FPM	-10 to +140 °C
MV 1386 - 102952	MV 1396 G - 102959			
MV 1387 - 102953	MV 1397 G - 102960			
		Low-pressure steam, water	EPDM	-10 to +140 °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]			Temperatur			Degree of protection (EN 60529)
			~		=	(°C)	Class	CDF	
			Pickup	Holding					
MV 1383	MV 1393 G	BDA	25	14,5	8	155	F	100 %	IP 65
MV 1384	MV 1394 G								
MV 1385	MV 1395 G	BDF (classe H)				180	H	100 %	
MV 1386	MV 1396 G								
MV 1387	MV 1397 G								

Characteristics

Port DIN EN ISO 228-1	Nominal diameter (mm)	Valve Art.-Nr.	Coil Teile-Nr.	Kv (l/min)	Operating pressure difference [bar]			Max permissible viscosity	
					min.	max.		cSt	°E
						~	=		
G	19	MV 1383	400-8223-17	140	0,2	16	16	12	~2
		MV 1393 G	400-8024-42						
1	25	MV 1384	400-8223-17	190	0,2	10	10	12	~2
		MV 1394 G	400-8/024-42						
1 1/4	35	MV 1385	400-8223-17	400	0,2	10	10	12	~2
		MV 1395 G	400-8024-42						
1 1/2	40	MV 1386	400-8223-17	520	0,2	10	10	12	~2
		MV 1396 G	400-8024-42						
2	50	MV 1387	400-8223-17	750	0,2	10	10	12	~2
		MV 1397 G	400-8024-42						

Dimensions [mm]

Port		
Type		Thread DIN EN ISO 228-1
MV 1383	MV 1393 G	3/4
MV 1384	MV 1394 G	1
MV 1385	MV 1395 G	1 1/4
MV 1386	MV 1396 G	1 1/2
MV 1387	MV 1397 G	2

Dimensions			
Port	A	B	C
3/4	65	105	104
1		112	
1 1/4	98	125	144
1 1/2			
2	118	141	172

Design features

Part

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

Material

Brass 58
 Stainless steel AISI Series 400
 Stainless steel AISI Series 400
 Stainless steel AISI Series 400
 Copper
 Stainless steel AISI Series 300
 NBR, on request: FPM or EPDM
 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)

Coils

Part No.	Elektrische Daten				
	Power W	Voltage		CDF %	Zulassung
		AC	DC		
400-8223-17	8	230/50		100	CE VDE
400-8024-01	8	24/50			
400-8024-02	8		24		
400-8012-41	8		12		
400-8110-07	8	110/60			UL

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

Spare parts

Magnetventil	Kit	Diaphragm
MV 1383	KTGOW3ZB19	R450431/B
MV 1384		
MV 1393 G		
MV 1394 G	KTGOW5ZB35	R450466/B
MV 1385		
MV 1386		
MV 1395 G	KTGOW7ZB50	R450432/B
MV 1396 G		
MV 1387		
MV 1397 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