



**Closed when de-energised**

Pilot-operated diaphragm valve

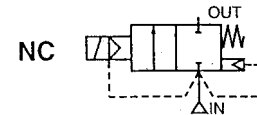
<b>MV 1363</b>	<b>MV 1373 G</b>
<b>MV 1364</b>	<b>MV 1374 G</b>
<b>MV 1365</b>	<b>MV 1375 G</b>
<b>MV 1366</b>	<b>MV 1376 G</b>
<b>MV 1367</b>	<b>MV 1377 G</b>

**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**

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

**Applications**

Art. No. – Ident No.		Medium (2)	Seals	Temperature range (1)
MV 1363 - 102925	MV 1373 G - 102942	Air, inert gases, water	<b>NBR standard</b>	Medium temp. -10 to 90 °C Ambient temp. -10 to 80 °C
MV 1364 - 102926	MV 1374 G - 102943			
MV 1365 - 102927	MV 1375 G - 102944	On request	FPM	-10 to +140 °C
MV 1366 - 102928	MV 1376 G - 102945			
MV 1367 - 102929	MV 1377 G - 102946			
		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]				Temperature			Degree of protection (EN 60529)
			~		=	(°C)	Class	CDF		
			Pickup	Holding						
MV 1363 MV 1364 MV 1365 MV 1366 MV 1367	MV 1373 G MV 1374 G MV 1375 G MV 1376 G MV 1377 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
						~	=		
G	(mm)	Art. No.	Part No.	(l/min)	0.2	16	16	12	~2
3/4	19	MV 1373 G	400-8024-42	140					
		MV 1364	400-8223-17	190					
1	25	MV 1374 G	400-8/024-42	190					
		MV 1365	400-8223-17	400					
1 1/4	35	MV 1375 G	400-8024-42	400					
		MV 1366	400-8223-17	520					
1 1/2	40	MV 1376 G	400-8024-42	520					
		MV 1367	400-8223-17	750					
2	50	MV 1377 G	400-8024-42	750					

**Dimensions [mm]**

Port		Thread DIN EN ISO 228-1	
Type			
MV 1363	MV	3/4	
MV 1364	MV	1	
MV 1365	MV	1 1/4	
MV 1366	MV	1 1/2	
MV 1367	MV	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	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, on request: FPM or EPDM
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 1363	KTGOW3KB19	R450431/B
MV 1364		
MV 1373 G		
MV 1374 G		
MV 1365	KTGOW5KB35	R450466/B
MV 1366		
MV 1375 G		
MV 1376 G		
MV 1367	KTGOW7KB50	R450432/B
MV 1377 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