



Open when de-energised

Directly operated piston valve

G 1/8

MV 1331	MV 1341 G
MV 1332	MV 1342 G

G 1/4

MV 1333	MV 1343 G
MV 1334	MV 1344 G
MV 1334.307*	

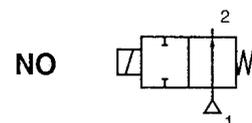
230/50 – 60

***110/50 – 120/60 24 = (G)**

CE

Features

- Media valve for shutting off gaseous or liquid media that are compatible with the materials used
- The valves do not require a minimum operating 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 1331 - 102896	MV 1341 G - 102900	Air, inert gases, water, mineral oils (2°E), benzene, gas oil, heavy oil (7°E)	FKM	Medium temp. -10 °C to 140 °C Ambient temp. -10 °C to 80 °C
MV 1332 - 102897	MV 1342 G - 102901			
MV 1333 - 102898	MV 1343 G - 102902			
MV 1334 - 102899	MV 1344 G - 102903			

(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	Magnet type	Power [W]			Temperature			Degree of protection (EN 60529)	
				~	=	(°C)	Class	CDF			
	Pickup	Holding									
MV 1331	MV 1341 G	AC 400-8223-17	BDA	8 (11 cold – MV 1344 G) (14)	25 (43)	14.5 (27)	8 (14)	155 (180)	F (H)	100%	IP65
MV 1332	MV 1342 G										
MV 1333	MV 1343 G	DC 400-8024-42	BDF (optional)								
MV 1334	MV 1344 G										

Characteristics

Port DIN EN ISO 228-1	Nominal diameter	Valve	Kv (l/min)	Operating pressure difference (bar)			Max permissible viscosity		
				Min.	Max.		cSt	°E	
G	(mm)	Art. No.	(l/min)		~	=			
1/8	2	MV 1331	2	0	20 (30)		53	~7	
	2.5	MV 1332	3.2		14 (17)				
	2	MV 1341 G	2			20 (30)			
	2.5	MV 1342 G	3.2			14 (17)			
1/4	3	MV 1333	4	0	10 (15)		53	~7	
	4.5	MV 1334	6.5		4 (6)				
	3	MV 1343 G	4			10 (15)			
	4.5	MV 1344 G	6.5			4 (6)			

Bracketed values = with optional BDF solenoid

Subject to technical changes and errors reserved.
The proficiency testing is the responsibility of the user.
The specified data do not represent legally guaranteed properties.

Dimensions [mm]

Dimensions			
Magnet	D	E	F
[W]	[mm]	[mm]	[mm]
8	30	42	54
14	52	55	67

Design features

Part	Material
Body	Brass 58
Armature tube	Stainless steel AISI Series 400
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	Standard: FKM, Code V; on request: NBR, Code B
Seat	
≤ 3 mm	Insert made of stainless steel AISI Series 300
> 3 mm	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	%	Valves	
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		110/60				UL

Spare parts

Solenoid valve	Kit	Diaphragm
MV 1331	KT130ZV30-F	--
MV 1332	KT130ZV30-F	--
MV 1341 G	KT130ZV30-F	--
MV 1342 G	KT130ZV30-F	--
MV 1333	KT130ZV30-F	--
MV 1334	KT130ZV55-F	R450916/V
MV 1343 G	KT130ZV30-F	
MV 1344 G	KT130ZV55-F	R450916/V

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

Installation

- Any mounting position
- Valve bodies have two mounting holes
- 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

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