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*	

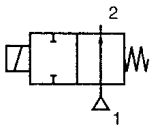
230/50 – 60
***110/50 – 120/60** **24 = (G)**

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

NO



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 1332 - 102897 MV 1333 - 102898 MV 1334 - 102899	MV 1341 G - 102900 MV 1342 G - 102901 MV 1343 G - 102902 MV 1344 G - 102903	Air, inert gases, water, mineral oils (2°E), benzine, gas oil, heavy oil (7°E)	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

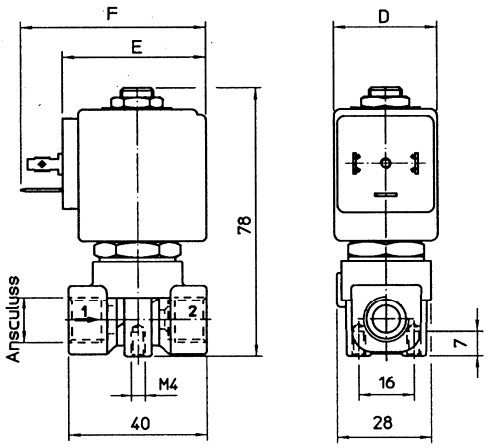
Valve		Magnet	Magnet type	Power [W]				Temperature			Degree of protection (EN 60529)
				~			=	(°C)	Class	CDF	
					Pickup	Holding					
MV 1331 **MV 1332** **MV 1333** **MV 1334**	**MV 1341 G** **MV 1342 G** **MV 1343 G** **MV 1344 G**	**AC 400-8223-17** **DC 400-8024-42**	**BDA** BDF (optional)	**8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

Characteristics

Port DIN EN ISO 228-1	Nominal diameter	Valve	Kv (l/min)	Operating pressure difference (bar)			Max permissible viscosity	
				Min.	Max.			
G	(mm)	Art. No.	(l/min)		~	=	cSt	°E
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		**10** (15)			
	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

Dimensions [mm]



Port
G 1/8
G 1/4

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: FPM, 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		Valves
	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		110/60				UL	

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

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**

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