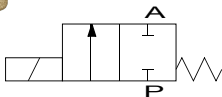


# 2/2-way solenoid valve brass type MV02



Description:

2/2-way solenoid valve made of brass, very compact design for high flow rates. Ideal for machine and plant engineering. This valve switches at 0 bar (directly acting solenoid valve)

Features:

- Suitable for **non-flammable, neutral gases and liquids**
- Can't be used for applications with counter pressure
- Consider direction of flow
- Mounting position: any, preferably solenoid above

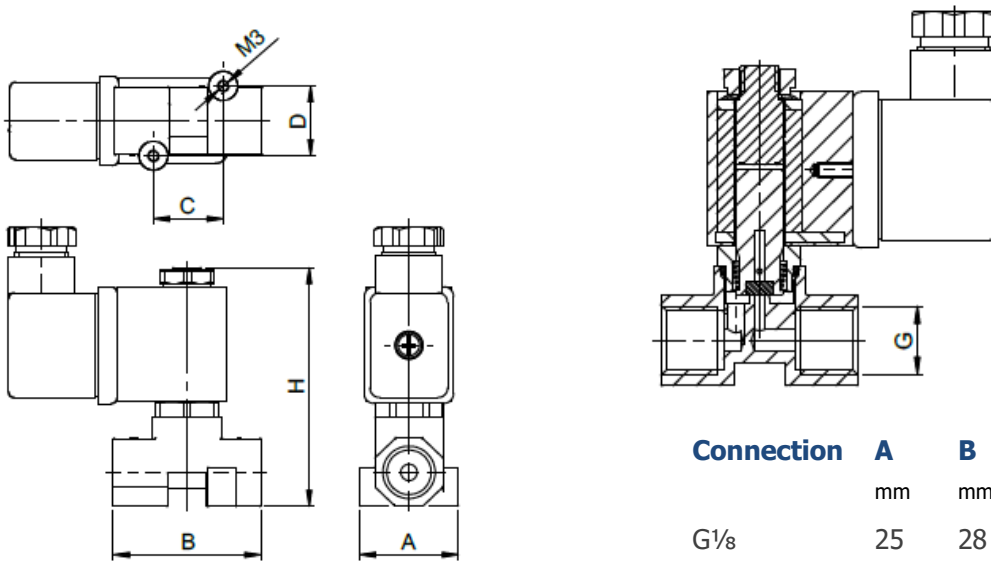
|                    |                 |                      |                                  |
|--------------------|-----------------|----------------------|----------------------------------|
| <b>Connection:</b> | <b>Control:</b> | <b>Function:</b>     | <b>Pressure:</b>                 |
| G1/8", G1/4" inch  | direct acting   | NC – normally closed | 0 – 20 bar – depending on design |

|                               |                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------|
| <b>Design:</b>                | Seat valve                                                                            |
| <b>Diameter:</b>              | DN 1,0 / DN 1,5 / DN 2,0 / DN 2,5                                                     |
| <b>Connection:</b>            | Female thread G 1/8" or G 1/4"                                                        |
| <b>Body material:</b>         | Brass                                                                                 |
| <b>Seal:</b>                  | FKM                                                                                   |
| <b>Voltage:</b>               | 230V 50Hz                      24V DC                                                 |
| <b>Voltage tolerance:</b>     | +/- 10% acc. VDE 0580                                                                 |
| <b>Power consumption:</b>     | 230V 50Hz:                      6 VA                                                  |
|                               | 24V DC:                          6 Watt                                               |
| <b>Duty:</b>                  | 100 % ED                                                                              |
| <b>Plug socket:</b>           | IP65 with plug socket mounted                                                         |
| <b>Electrical connection:</b> | Plug socket acc. DIN EN 175301-803, plug type B<br>cable diameter 6-8 mm, thread PG 9 |
| <b>Temperature:</b>           | Ambient:                          max. + 50°C                                         |
|                               | Media:                              FKM – 10°C to +120°C                              |

| DN     | Max. pressure        | Connection              | Flow rate | Leakage** |
|--------|----------------------|-------------------------|-----------|-----------|
| 1,0 mm | 0 – 20 bar (15 bar*) | G 1/8" oder G 1/4" Zoll | 0,7 l/min | A         |
| 1,5 mm | 0 – 16 bar (13 bar*) | G 1/8" oder G 1/4" Zoll | 1,0 l/min | A         |
| 2,0 mm | 0 – 13 bar (10 bar*) | G 1/8" oder G 1/4" Zoll | 1,9 l/min | A         |
| 2,5 mm | 0 – 10 bar (6 bar*)  | G 1/8" oder G 1/4" Zoll | 2,4 l/min | A         |

\* using DC reduces the working pressure  
\*\* acc. to EN 12266-1

## Dimensions:



| Connection | A  | B  | C  | D  | H  |
|------------|----|----|----|----|----|
|            | mm | mm | mm | mm | mm |
| G1/8       | 25 | 28 | 18 | 18 | 60 |
| G1/4       | 26 | 38 | 18 | 18 | 61 |

## Options (on request):

- Cleaning: free of oil and grease, silicone, PWIS
- Plug socket with LED
- Special coils: special voltages
- Seal: NBR, EPDM

## Article number:

| Type        | Voltage                            | Seal           | Function                      | Connection                      | Size                                                            |
|-------------|------------------------------------|----------------|-------------------------------|---------------------------------|-----------------------------------------------------------------|
| <b>MV02</b> | <b>1 – 230V 50Hz</b><br>2 – 24V DC | <b>2 – FKM</b> | <b>0 – NC normally closed</b> | <b>0 – G 1/8"</b><br>1 – G 1/4" | <b>10 – DN 1,0</b><br>15 – DN 1,5<br>20 – DN 2,0<br>25 – DN 2,5 |

## Example No. MV02120010:

|             |          |          |          |          |           |
|-------------|----------|----------|----------|----------|-----------|
| <b>MV02</b> | <b>1</b> | <b>2</b> | <b>0</b> | <b>0</b> | <b>10</b> |
|-------------|----------|----------|----------|----------|-----------|

2/2 way solenoid valve brass

Voltage: 230V 50Hz

Seal: FKM

Function: NC normally closed

Connection: G 1/8" female thread

Size: DN 1,0

Image similar, subject change without notice.