

Solenoid Valves EMVO

Nominal diameter from 12 mm to 25 mm



Suitability for Industry Specific Applications



Applications

- Solenoid valve for use at high volume flow rates in systems with large cross sections
- Control of vacuum and venting of the suction cup
- Suitable for neutral or filtered air

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Design

- Directly controlled solenoid valve
- Switching function (NC)
- Seat valve in housing made of brass and aluminum
- Degree of protection IP 65
- Connection socket complies with DIN 43 650, Form A
- Supplied complete with plug connector

Product Highlights

- 3/2 multiway valve for controlling vacuum on/off or ventilation
- Valve suitable for large nominal flows
- Direct control enables fastest opening and closing times

Designation Code Solenoid Valves EMVO

| | | | | | | | | |
|-------------|---|-----------|---|----------------|---|------------|---|-----------|
| EMVO | - | 12 | - | 230V-AC | - | 3/2 | - | NC |
| 1 | | 2 | | 3 | | 4 | | 5 |

1 – Abbreviated designation

| Code | Version |
|------|---------|
| EMVO | EMVO |

2 – Nozzle size

| Code | Nozzle size in mm |
|---------|-------------------|
| 12...25 | 12 to 25 |

3 – Voltage

| Code | Voltage in V |
|---------|----------------|
| 24V-DC | Direct current |
| 230V-AC | Single phase |

4 – Variant

| Code | Type |
|------|---------------|
| 3/2 | 3/2-way valve |

5 – Idle position suction valve

| Code | Type |
|------|-----------------|
| NC | Normally closed |
| NO | Normally open |

Solenoid valve EMVO is delivered as a ready-to-connect product.

Available accessories: venting filter

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Ordering Data Solenoid Valves EMVO

| Type | Part no. |
|------------------------|----------------|
| EMVO 12 230V-AC 3/2 NC | 10.05.01.00052 |
| EMVO 12 24V-DC 3/2 NC | 10.05.01.00049 |
| EMVO 20 230V-AC 3/2 NC | 10.05.01.00053 |
| EMVO 20 24V-DC 3/2 NC | 10.05.01.00050 |
| EMVO 25 24V-DC 3/2 NC | 10.05.01.00051 |

Ordering Data Accessories Solenoid Valves EMVO

| Type | Accessories | Part no. |
|------------------------|-------------------------------------|----------------|
| EMVO 12 230V-AC 3/2 NC | Venting filter FAS 80x33.8 G1/2-AG | 10.05.01.00061 |
| EMVO 12 24V-DC 3/2 NC | Venting filter FAS 80x33.8 G1/2-AG | 10.05.01.00061 |
| EMVO 20 230V-AC 3/2 NC | Venting filter FAS 80x39 G3/4-AG | 10.05.01.00062 |
| EMVO 20 24V-DC 3/2 NC | Venting filter FAS 80x39 G3/4-AG | 10.05.01.00062 |
| EMVO 25 24V-DC 3/2 NC | Venting filter FAS 80x38 G1-AG EMVP | 10.05.01.00063 |

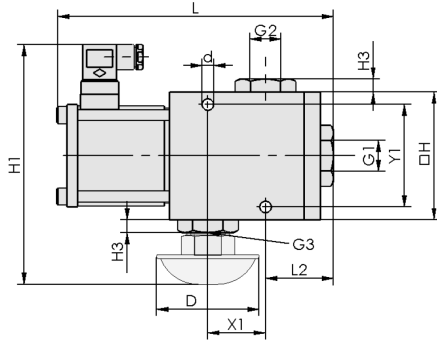
Technical Data Solenoid Valves EMVO

| Type | Control valve | Nominal flow rate [m³/h] | Nominal flow rate [l/min] | Power consumption DC [W] | Power consumption AC [W] | Weight [kg] |
|------------------------|-----------------|--------------------------|---------------------------|--------------------------|--------------------------|-------------|
| EMVO 12 230V-AC 3/2 NC | Normally closed | 21 | 350 | - | 39.1 | 1.2 |
| EMVO 12 24V-DC 3/2 NC | Normally closed | 21 | 350 | 31.9 | - | 1.2 |
| EMVO 20 230V-AC 3/2 NC | Normally closed | 72 | 1,200 | - | 36.8 | 5.8 |
| EMVO 20 24V-DC 3/2 NC | Normally closed | 72 | 1,200 | 40.8 | - | 5.8 |
| EMVO 25 24V-DC 3/2 NC | Normally closed | 101 | 1,684 | 40.8 | - | 5.7 |

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Design Data Solenoid Valves EMVO



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Design Data Solenoid Valves EMVO

| Type | d [mm] | D [mm] | G1 | G2 | G3 | H [mm] | H1 [mm] | H3 [mm] | L [mm] | L2 [mm] | X1 [mm] | Y1 [mm] |
|------------------------------|--------|--------|---------|---------|---------|--------|---------|---------|--------|---------|---------|---------|
| EMVO 12 230V-AC 3/2 NC | 6.5 | 80 | G1/2"-F | G1/2"-F | G1/2"-F | 60 | 135.5 | - | 122 | 32 | 24 | 40 |
| EMVO 12 24V-DC 3/2 NC | 6.5 | 80 | G1/2"-F | G1/2"-F | G1/2"-F | 60 | 135.5 | - | 122 | 32 | 24 | 40 |
| EMVO 20 230V-AC 3/2 NC | 9.0 | 80 | G3/4"-F | G3/4"-F | G3/4"-F | 100 | 187.5 | 10 | 206 | 43 | 45 | 80 |
| EMVO 20 24V-DC 3/2 NC | 9.0 | 80 | G3/4"-F | G3/4"-F | G3/4"-F | 100 | 187.5 | 10 | 206 | 43 | 45 | 80 |
| EMVO 25 24V-DC 3/2 NC | 9.0 | 80 | G1"-F | G1"-F | G1"-F | 100 | 172.0 | - | 206 | 43 | 45 | 80 |