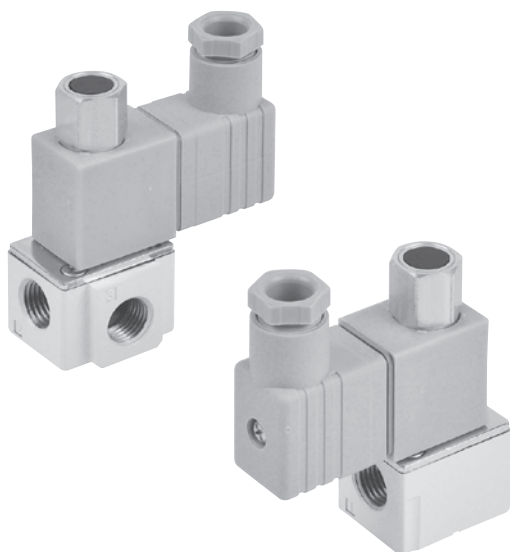


MVDC-300 series

SOLENOID VALVE (DIRECT OPERATED TYPE)



Caution

- In the case of continuous energization, it is recommended to use NC/NO configuration in the design of the pneumatic circuit to avoid the temperature rise of continuous energization.
- For continuously energized situation, please contact us.

Specification

Model	3E1	
Bore No.	6A	8A
Port size	Rc1/8	Rc1/4
No. of port	3	
No. of position	2	
Medium	Air, low vacuum	
Operating pressure range	-101 kPa ~ 1.0 MPa	
Proof pressure	1.5 MPa	
Effective orifice (mm ²)	P→A: 4.0 A→R: 4.4 R→A: 4.2 A→P: 3.9	P→A: 4.1 A→R: 4.6 R→A: 4.2 A→P: 4.0
Response time (ms)	20	
Ambient temperature	-5~+50°C (No freezing)	
Voltage	DC24V	
Power consumption (W)	7	
Available voltage range	±10%	
Insulation class	F class	
Weight (g)	156 (188)*	153 (185)*

* () The value for with bracket.

Order example of valve

MVDC — 300 — 3E1 — 6A — B — DC24 — L — G

MODEL

BODY WIDTH

3: 3 way
(3 port)

PORT SIZE

6A: Rc1/8
8A: Rc1/4

VOLTAGE

DC24V

Blank: Without
B: Bracket

Blank: DIN terminal
L: DIN terminal with LED indicator

PORT THREAD

Blank: Rc thread
G: G thread
NPT: NPT thread

E1: Single Solenoid

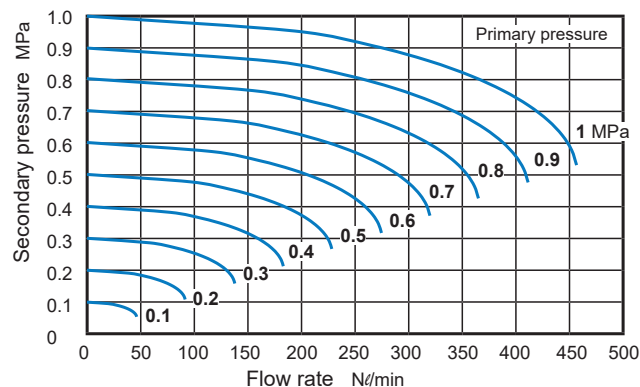
Order example of bracket

MVDC — 300 — B

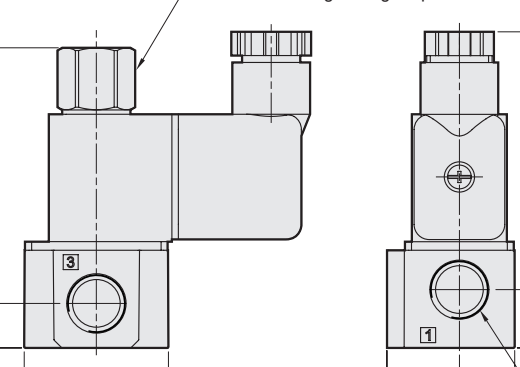
MODEL

BRACKET

Flow features



Technical drawing of a 1/2" NPT female plug. The drawing shows a side view of the plug with a central vertical axis. The main body is a cylinder with a diameter of 25.6 mm. The top section is a smaller cylinder with a diameter of 13 mm. The drawing includes a cross-section view of the top section, showing the internal threads and the plug's profile. The dimensions 13 and 25.6 are indicated with arrows and labels.



Technical drawing of the 3-Port 1/4" NPT Female x 1/4" NPT Male x 1/4" NPT Male Tee, Model 3-100. The drawing shows two views: a side view (left) and a front view (right).

Dimensions:

- Overall height (side view): 69.5
- Overall height (front view): 73.2
- Port 1 diameter: 10.3
- Port 1 diameter (front view): 13.5
- Port 1 diameter (front view): 16.8
- Port 1 diameter (front view): 29.6
- Port 1 diameter (front view): 33.4

Labels:

- Manual button seat
- Recommended tightening torque: 0.5 N.m
- 3-100
- 1
- 3-Rc1/8
- Rc1/4

[illegible]

MVDC-300-B