

MVDC-220 series

DIRECT ACTING TYPE SOLENOID VALVE



Selection table



Technical data



Caution for safety
(Read before installing)



Specification

Model	2E1	3E1
Bore No.	6A	
Port size	1/8	
No. of port	2	3
No. of position	2	
Medium	Air	
Operating pressure range	0~0.7 MPa	
Proof pressure	1 MPa	
Effective orifice	0.8 mm ²	
Response time	20 ms	
Ambient temperature	-5~+50°C (No freezing)	
Voltage	AC110V, 220V (50/60)Hz, DC24V	
Power consumption	Standard	AC=4.8/4.4VA, 6/4.9VA, DC=2W
	Power saving	DC=Start: 2W (*) Power saving: 0.5W
Available voltage range	±10%	
Insulation class	F class	
Weight	155 g	

* Power saving covert time 100ms.

Order example of valve

MVDC – 220 – 3E1 – AC110 – L – G

MODEL

BODY
WIDTH

2: 2 way (2 port)
3: 3 way (3 port)

VOLTAGE
AC220V(50/60)Hz
AC110V(50/60)Hz
DC24V

E1: Single Solenoid

ELECTRIC CONNECTION

Standard	
Blank	DIN terminal
L	DIN terminal with LED indicator
E	Explosion protection (Table 1)(Black coil)
Power saving (for DC24V)	
KL	DIN terminal with LED indicator

PORT THREAD

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

Order example of manifold screw set

MVDC – 220 – M2

MODEL

MANIFOLD
SCREW SET

MANIFOLD
STATION
2, 3, 4...

Order example of bracket

MVDC – 220 – B

MODEL

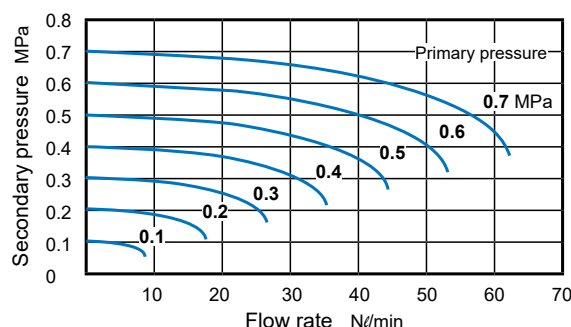
BRACKET

Table 1

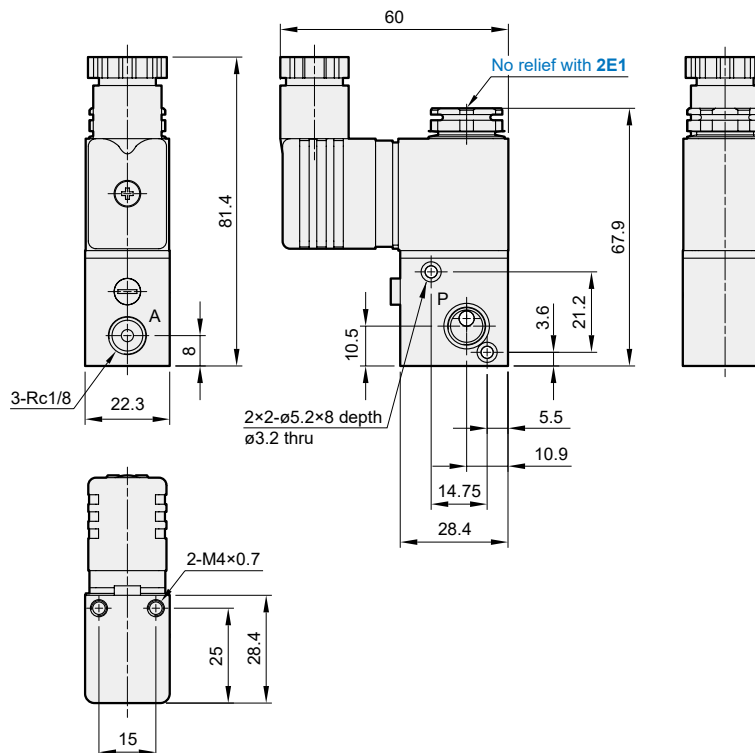
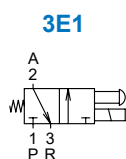
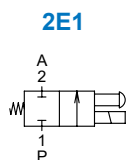
Property for explosion-proof type

Anti-explosion class	Ex mb IIC T4 Gb
Voltage	AC110V / 220V(50/60)Hz, DC24V
Power consumption	AC110V=4.5VA, AC220V=4.8VA, DC=5W
Available voltage range	±10%
Insulation class	F class
Wire length	3 m

Flow features



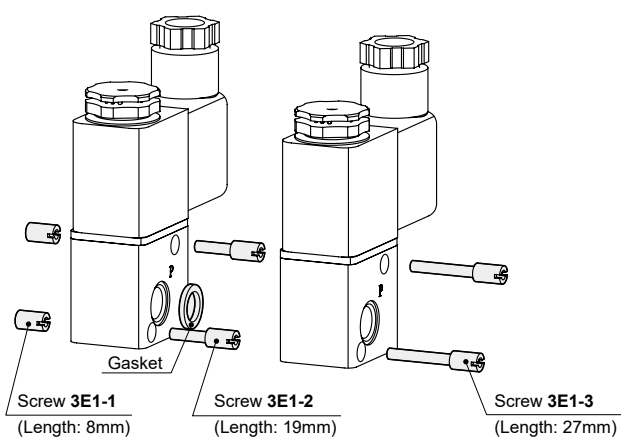
MVDC-220



Mounting accessories

MVDC-220-M*

Manifold screw set



1. Screw 3E1-1 & screw 3E1-2: for the first station.
2. Gasket & Screw 3E1-3: for the second and other station.

MVDC-220-B

Bracket

