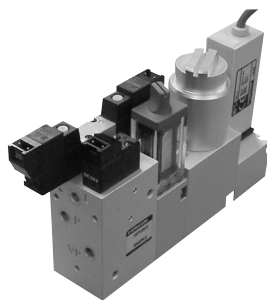


Vacuum switching valve for clean room

MPV6 series



● For clean room

Integrated filter: filtration 0.01μm
Clean exhausted air

● Self holding fuction

Double solenoid valve. It keeps the switching state in case of power outage.

How to order

MPV6 – AB

Vacuum sensor				
Series	Description	Pressure	Display	Signal
AB	MVS-030AB	Vacuum	LED	Output
V2	MPS-V23C	Vacuum	Digital	Output, analog outupt
ZZ	Without sensor			

Maintenance parts

● Solenoid valve (delivered with gasket ans screw)

MPV6 – 24 – V

Solenoid valve type	
V	Vacuum type (single solenoid)
D	Blow-off type (double solenoid)

● Vacuum sensor (delivered with O-ring and screw)

MVS – 030AB – MPV3

MPS – V23C – NGA – MPV3

Note) Please check details p.611

● Sensor base (delivered with screw)

MPV6 – SW – B

● Filter

Blow-off side

MPV6 – D E

Filter	
E	Element
F	Filter kit

Vacuum side

MC2 – V E

Filter	
E	Element
F	Filter kit

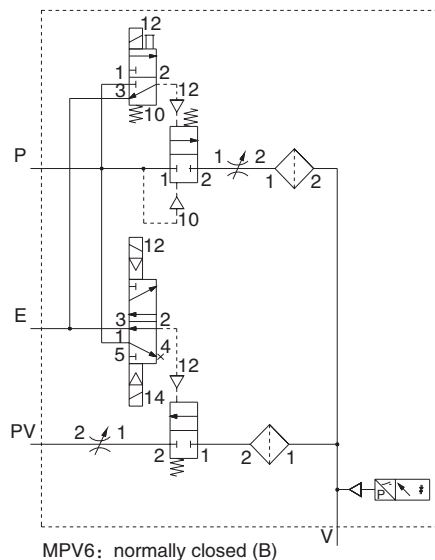
Specifications

Series		Units	MPV6	
			Solenoid valve (vacuum)	Solenoid valve (blow-off)
Fluid			Vacuum pressure	Non-lubricated air
Ambient temperature		℃	0 ~ 55(without freezing)	
Pressure range (VP, DP)		MPa	–90 ~ 0kPa	0.3 ~ 0.6MPa
Vacuum valve function			Normally open、 Normally closed	
Type of control valve			Pilot operated poppet	
Effective area		mm ²	3.5	2.6
Control flow *1		ℓ /min (ANR)	50(when –90kPa)	50(when 0.5MPa)
Filtration	Vacuum side	μm	37	
	Blow-off side		0.01	

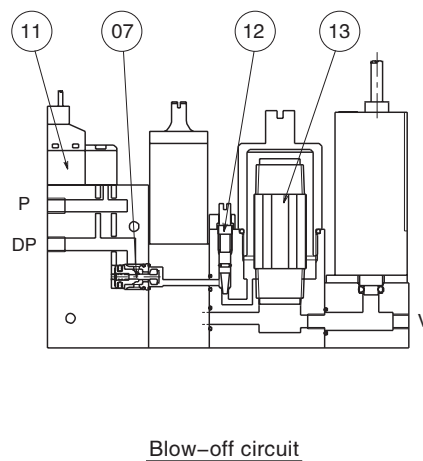
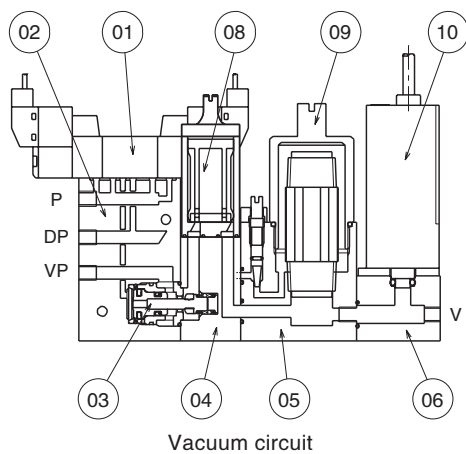
Solenoid valve specifications

Series		Solenoid valve (vacuum)	Solenoid valve (blow-off)
Voltage	V	DC24	
	%	± 10	
Power consumption	W	0.7	
Insulation class		Class B	
Manula operation		Knob	
Display surge killer		LED, diod	
Wiring		Lead wire with connector	

Symbol



Construction



No.	Part name	Materials
1	Solenoid valve (vacuum)	—
2	Body	Aluminium, NBR
3	Poppet valve (vacuum)	Aluminium, SUS, NBR, FKM
4	Filter Base A	Aluminium, NBR
5	Filter Base B	Aluminium, NBR
6	Sensor base	Aluminium, NBR
7	Poppet valve (blow-off)	Aluminium, SUS, NBR, FKM
8	Filter assy, vacuum side	—
9	Filter kit	Aluminium, NBR
10	Vacuum sensor	—
11	Solenoid valve (blow-off)	—
12	Blow-off flow control needle	Aluminium, SUS, NBR, FKM
13	Filter, blow-off side	Hollow fiber

Dimensions

(mm)

