

Discontinue

Manual valve for high vacuum

MVP⁵⁶⁷0 Series

● Double O-ring sealing method ● Handle rotary

End of production June 2023

RoHS

Made-to-order product

Model No. Actuation Diameter

Connection

MVP50 Manual NW25

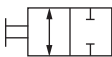
MVP60 Manual NW40

Model No. Actuation

Connection

MVP70 Manual NW50

Specifications

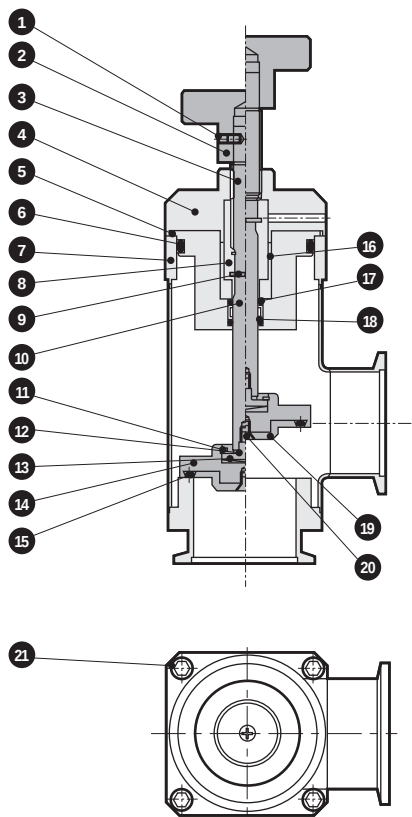
Descriptions	MVP50	MVP60	MVP70
Working fluid	Vacuum and inert gas		
Working pressure Pa (abs)	1.3×10^{-6} to 2×10^5		
Max. working differential pressure MPa	0.2		
Valve seat leakage Pa·m ³ /s (He)	1.3×10^{-9} or less		
External leakage Pa·m ³ /s (He)	1.3×10^{-8} or less		
Proof pressure MPa	0.3		
Fluid temperature °C	5 to 60		
Ambient temperature °C	0 to 60 (no freezing)		
Orifice size mm	ø24	ø40	ø50
Stroke length mm	15	20	22
Valve structure	O-ring shaft sealant		
Connection	NW25	NW40	NW50
Total height in () is at valve opening mm	160(175)	185(205)	230(252)
Interface distance mm	50	55	70
Weight kg	1.4	2.5	3.7
JIS symbol			

How to order



Code	Content	
A Capacity classification		
5	Orifice size ø24	
6	Orifice size ø40	
7	Orifice size ø50	
B Connection		
25K	NW25	Only MVP50 is available
40K	NW40	Only MVP60 is available
50K	NW50	Only MVP70 is available

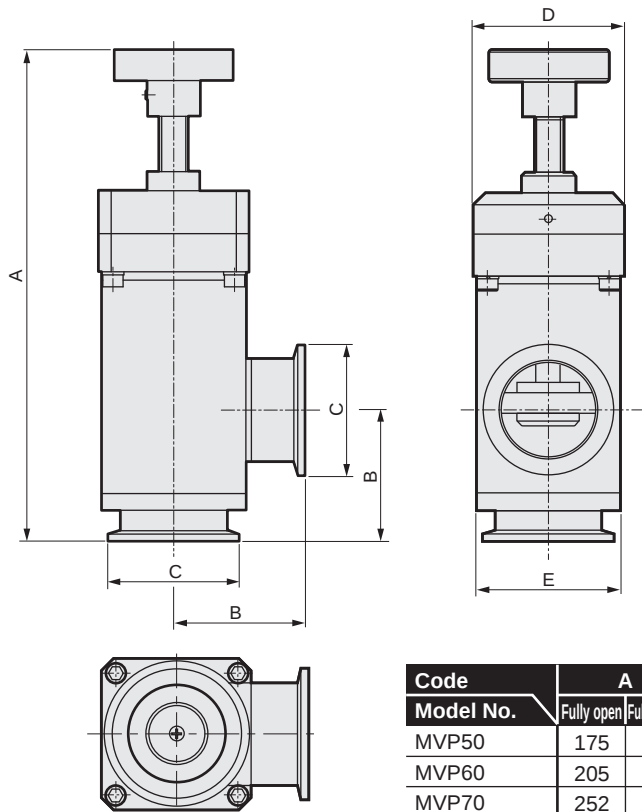
Internal structure and parts list



No.	Part name	Material
1	Hexagon socket set screw	SUS304
2	Manual handle	
3	Manual rod	SUS303
4	Adaptor	A2017
5	O-ring holder	SUS316
6	O-ring	FKM
7	Body assembly	
8	E-snap ring	SUS304
9	Spring washer	SUS304
10	Valve rod	SUS316
11	Spring washer	SUS304
12	C-snap ring	SUS304
13	Rod piece	SUS304
14	Valve disc A	SUS316
15	O-ring	FKM
16	O-ring retainer	A5056
17	O-ring	FKM
18	Grease stopper	SUS304
19	Valve disc B	SUS316
20	Cross-recessed flat head machine screw	SUS304
21	Cross-recessed bolt	SUS304

Dimensions

MVP*0



Code	A		B	C	D	E
Model No.	Fully open	Fully closed				
MVP50	175	160	50	ø40(NW25)	63	ø48.6
MVP60	205	185	55	ø55(NW40)	63	ø60.5
MVP70	252	230	70	ø75(NW50)	78	ø79