



Manual valve for high vacuum

MVB⁵₆0 Series

● Molded bellows ● Handle rotation

RoHS

Made-to-order product

Model No. Actuation Connection

MVB50 Manual NW25

MVB60 Manual NW40

Model No. Actuation Connection

MVB70 Manual NW50

Specifications

Descriptions	MVB50	MVB60	MVB70
Working fluid	Vacuum and inert gas		
Working pressure Pa (abs)	1.3×10^{-6} to 1×10^5		
Max. working differential pressure MPa	0.1		
Valve seat leakage Pa·m ³ /s (He)	1.3×10^{-9} or less		
External leakage Pa·m ³ /s (He)	1.3×10^{-9} 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	Molded bellows		
Connection	NW25	NW40	NW50
Weight kg	1.4	2.4	3.2
JIS symbol			

How to order

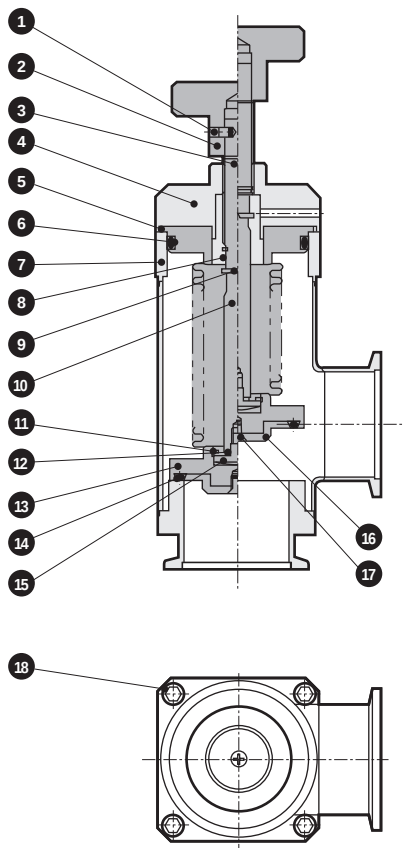


A Series

B Connection

Code	Content	
A Series		
5	Orifice size ø24	
6	Orifice size ø40	
7	Orifice size ø50	
B Connection		
25K	NW25	Only MVB50 is available
40K	NW40	Only MVB60 is available
50K	NW50	Only MVB70 is available

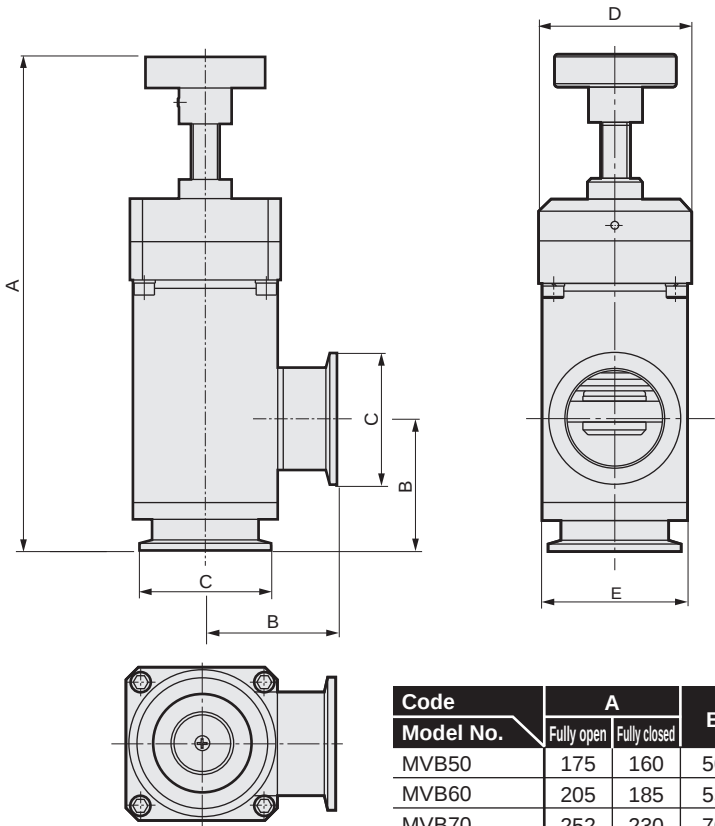
Internal structure and parts list



No.	Part name	Material
1	Hexagon socket set screw	SUS304
2	Manual handle	
3	Manual rod	SUS303
4	Adaptor	A2017
5	Bellows assembly	ASL350,SUS316
6	O-ring	FKM
7	Body assembly	SUS316
8	E-snap ring	SUS304
9	Spring washer	SUS304
10	Rod	SUS316
11	Spring washer	SUS304
12	C-snap ring	SUS304
13	Valve disc A	SUS316
14	O-ring	FKM
15	Rod piece	SUS304
16	Valve disc B	SUS316
17	Cross-recessed flat head machine screw	SUS304
18	Cross-recessed bolt	SUS304

Dimensions

MVB*0



Code Model No.	A		B	C	D	E
	Fully open	Fully closed				
MVB50	175	160	50	ø40(NW25)	63	ø48.6
MVB60	205	185	55	ø55(NW40)	63	ø60.5
MVB70	252	230	70	ø75(NW50)	78	ø79