



Air operated valve for high vacuum

AVB21-8T Series

- NC Molded bellows seal 1/4" Tube

AVP21-8T Series

- NC Double O-ring seal 1/4" Tube

AVP Series:
End of production June 2023



Specifications

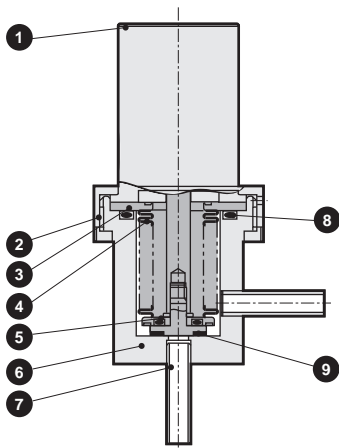
Discontinued model

Descriptions	AVB21-8T	AVP21-8T
Working fluid	Vacuum and inert gas	
Working pressure Pa (abs)	1.3 x 10 ⁻⁶ to 2.5 x 10 ⁵	
Max. working differential pressure MPa	0.25	
Valve seat leakage Pa·m ³ /s (He)	1.3 x 10 ⁻⁹ or less	
External leakage Pa·m ³ /s (He)	1.3 x 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	5	
Stroke length mm	3	
Conductance *1 L/s	-	
Connection	1/4" tube	
Operating pressure MPa	0.3 to 0.5	
Weight kg	0.25	
JIS symbol	●NC	

*1: The conductance value is the theoretical calculation value in the molecular region, and not the actual measured value.

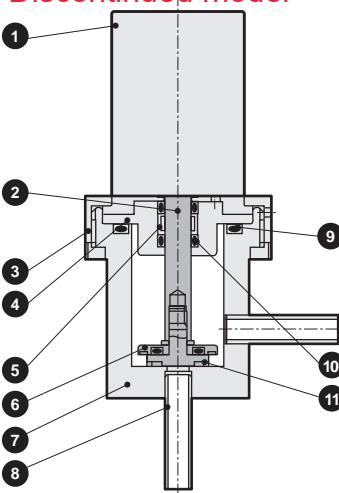
Internal structure and parts list

● AVB 21-8T (NC)



No.	Part name	Material
1	Cylinder	
2	Ring	C3604
3	Bellows ring	SUS304
4	Bellows	SUS316L
5	Valve disc B	SUS304
6	Body	SUS304
7	Pipe	SUS304
8	O-ring	FKM
9	Valve disc A	FKM/SUS 304

● AVP21-8T (NC) Discontinued model



No.	Part name	Material
1	Cylinder	
2	Rod	SUS304
3	Ring	C3604
4	O-ring holder	SUS304
5	Grease stopper	SUS304
6	Valve disc B	SUS304
7	Body	SUS304
8	Pipe	SUS304
9	O-ring	FKM
10	O-ring	FKM
11	Valve disc A	FKM/SUS 304

