

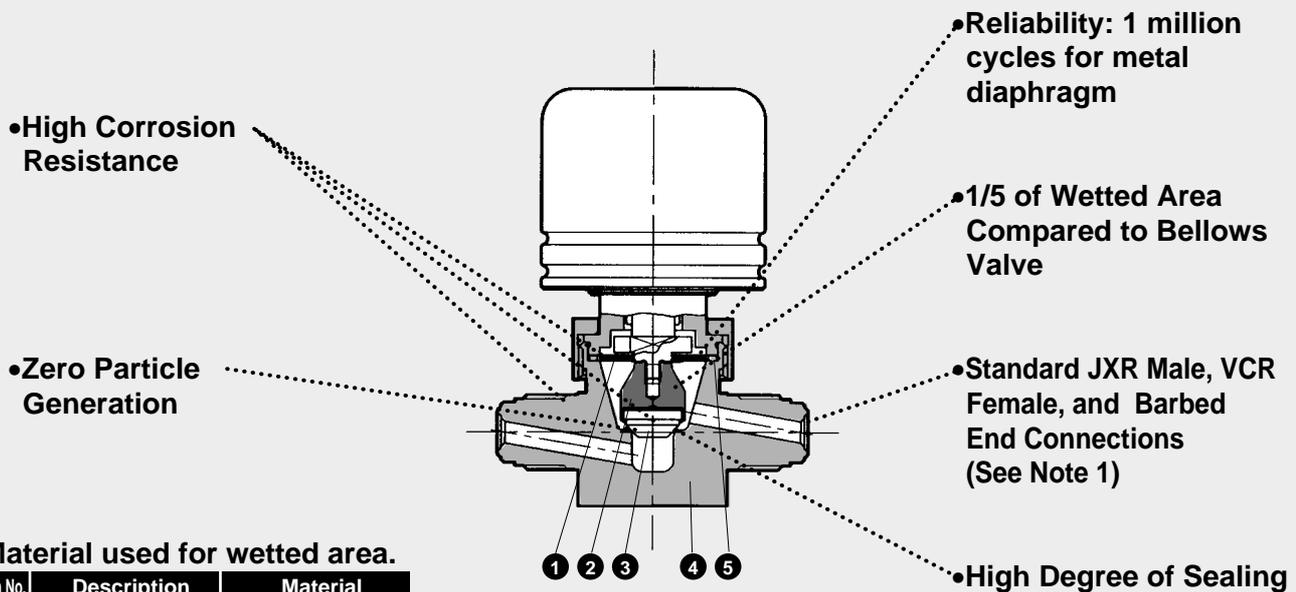
**AGD1\*** Series

**Air-Operated Diaphragm Valves**

•Ni-Co Metal Diaphragm

Model No.	Actuation	Port Size	Cv Value	Model No.	Actuation	Port Size	Cv Value
AGD11	NC	1/4"	Cv=0.23	AGD12	NO	1/4"	Cv=0.23

**Introduced to Semiconductor market in 1986.  
Reputation for high reliability.**



**Material used for wetted area.**

Item No.	Description	Material
①	Diaphragm	ASL350
②	Valve Seat Bracket	SUS316
③	Valve Seat	PCTFE
④	Body	SUS316L
⑤	Gasket	PCTFE

\*Note 1: JXR fitting can be connected to VCR fitting.



**⚠ Use with Caution!**

Read "Precautions" in the introduction 4 - 7 before selection and starting use.

- ① Media
- ② Follow flow path direction!

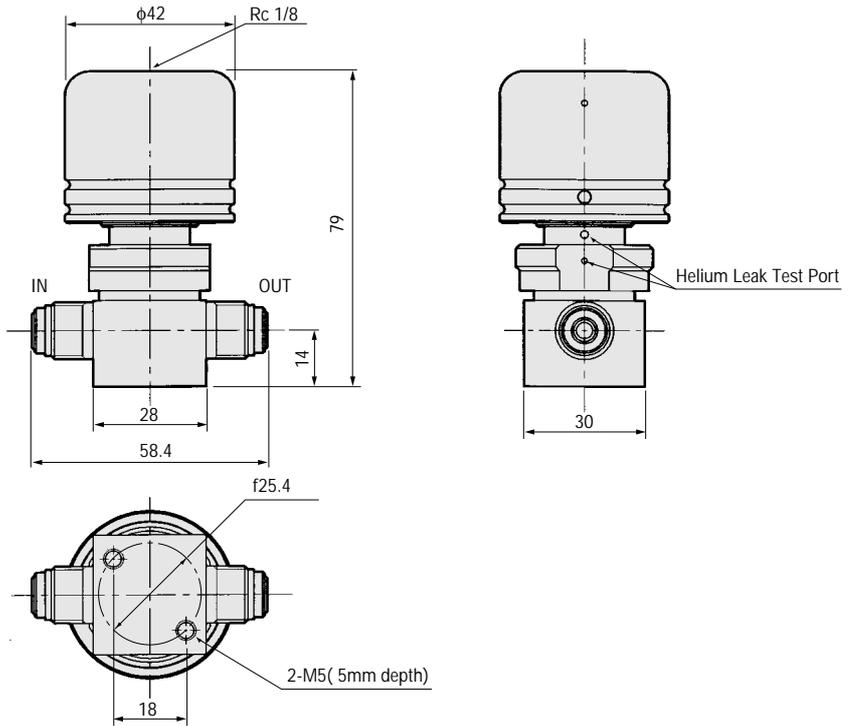
**Specifications**

Model No.	AGD11	AGD12
Media	Inert Gases / Process gas	
Working Pressure Range Pa(abs)-MPa{Torr-kgf/cm <sup>2</sup> }	1.3 × 10 <sup>-6</sup> – 0.5 {1 × 10 <sup>-8</sup> – 5}	
Media Temperature °C	0 – 60	
Valve Seat Leakage Pa·m <sup>3</sup> /s He{Torr·ℓ/s He}	1.3 × 10 <sup>-9</sup> {1 × 10 <sup>-8</sup> }	
External Leakage Pa·m <sup>3</sup> /s He{Torr·ℓ/s He}	1.3 × 10 <sup>-10</sup> {1 × 10 <sup>-9</sup> }	
Cv Value	0.23	
Piping Size	1/4" JXR Male 1/4" JXR Female 1/4" Barbed	
Operating Pressure MPa{kgf/cm <sup>2</sup> }	0.4 – 0.7 {4 – 7}	0.35 – 0.5 {3.5 – 5}
Pressure Connection Port	Rc 1 / 8	
Actuation	NC	NO

### Dimensions

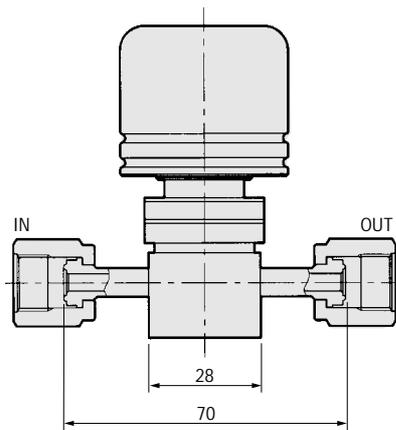
**AGD11-8RM-5(NC)**  
**AGD12-8RM-5(NO)**

- JXR Male



**AGD11-8R-5(NC)**  
**AGD12-8R-5(NO)**

- VCR Female



**AGD11-8S-5(NC)**  
**AGD12-8S-5(NO)**

- Barbed

