

Discontinue

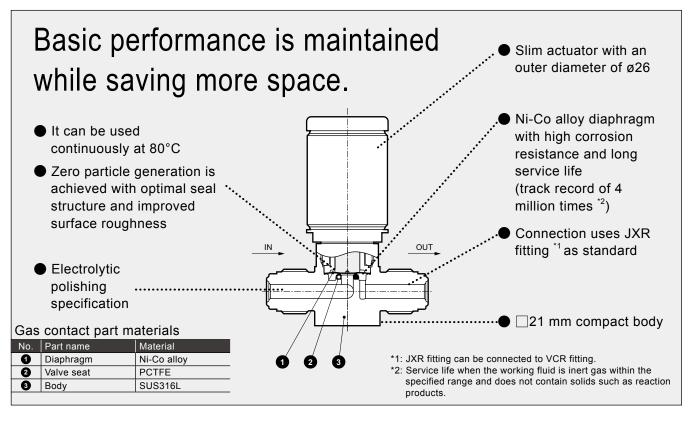
Air operated valve for process gas

AGD0¹₂R Series

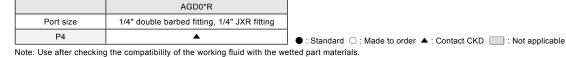
Compact

Metal diaphragm





Compatibility table by variation



AGD0 1 R - 4R - X					
	Code	Content			
Actuation	Actuation				
Actuation	1	NC (normally closed)			
	2	NO (normally open)			
B Connection					
BConnection	4RM	1/4" JXR male fitting			
	4R	1/4" JXR female fitting			

Precautions for model No. selection

Made to order. Contact CKD for details.

A Safety precautions

To ensure correct and safe use of this product, read the precautions described in Dry Fine System/high purity gas control system components (Catalog No. CB-035A).

Specifications

Descriptions	AGD01R	AGD02R	
Working fluid	Inert gas/process gas		
Working pressure Pa(abs)-MPa(G)	1.3 x 10 ⁻⁶ to 0.99		
Fluid temperature °C	5 to 80		
Operating ambient temperature °C	5 to 80		
Storage ambient temperature °C	-10 to 80		
Valve seat leakage Pa⋅m³/s (He)	1.0 x 10 ⁻¹⁰ or less		
External leakage Pa⋅m³/s (He)	2.8 x 10 ⁻¹² or less		
Cv (23°C, under pressurization)	0.1		
Connection	1/4" JXR male fitting 1/4" JXR female fitting		
Actuation	NC (normally closed)	NO (normally open)	
Operating pressure MPa	0.4 to 0.6	0.4 to 0.5	
Operating port	M5		
Weight kg	0.15 *1		

*1: Values with AGD01R-4RM (1/4" JXR male fitting).



Discontinue

Air operated valve for process gas

AGD1¹₂R Series AGD2¹₂R Series

Metal diaphragm

Standard

Specifications

Descriptions	AGD1*R	AGD2*R	
Working fluid	Inert gas/process gas		
Working pressure Pa(abs)-MPa(G	1.3 x 10 ⁻⁶ to 0.99		
Fluid temperature °C	5 to 80		
Operating ambient temperature °C	5 to 80		
Storage ambient temperature °C	-10 to 80		
Valve seat leakage Pa⋅m³/s (He	1.0 x 10 ⁻¹⁰ or less		
External leakage Pa⋅m³/s (He	2.8 x 10 ⁻¹² or less		
Cv (23°C, under pressurization	0.3	0.65	
Connection	1/4" JXR male fitting 1/4" JXR female fitting 1/4" double barbed fitting	3/8" JXR male fitting 3/8" JXR female fitting 3/8" double barbed fitting	
Actuation	NC (normally closed) NO (normally open)	NC (normally closed) NO (normally open)	
Operating pressure	NC:0.4 to 0.6	NC:0.4 to 0.6	
MPa	NO:0.4 to 0.5	NO:0.4 to 0.5	
Operating port	M	M5	
Weight kg	0.26 *1	0.59 *1	

A Safety precautions

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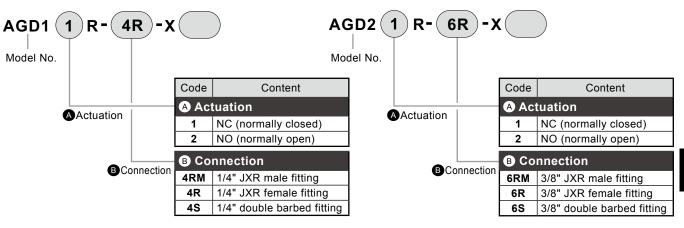
*1: Values with AGD11R-4RM (1/4" JXR male fitting), AGD21R-6RM (3/8" JXR male fitting).

Compatibility table by variation

	AGD1*R	AGD2*R	
Port size	1/4" double barbed fitting, 1/4" JXR fitting	3/8" double barbed fitting, 3/8" JXR fitting	• Othersdoord () · Mada to contain
P4	▲	▲	● : Standard ○ : Made to order ▲ : Contact CKD □ : Not applicable

Note: Use after checking the compatibility of the working fluid with the wetted part materials.

How to order



Precautions for model No. selection

Made to order. Contact CKD for details.