

Discontinue

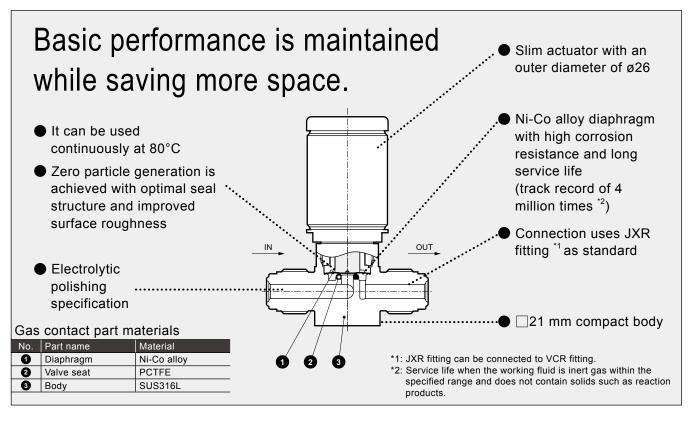
Air operated valve for process gas

AGD0¹₂R Series

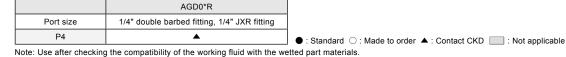
Compact

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

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).

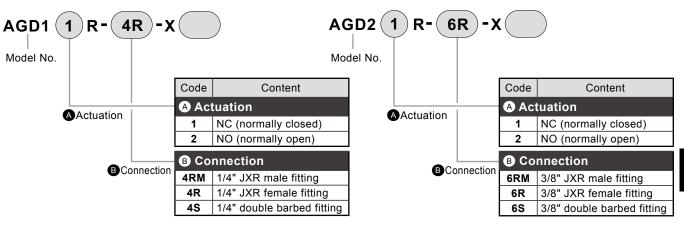
*1: Values with AGD11R-4RM (1/4" JXR male fitting), AGD21R-6RM (3/8" JXR male fitting).

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.