

Air Operated Valve Diaphragm Type

LVA220-01-A-X39

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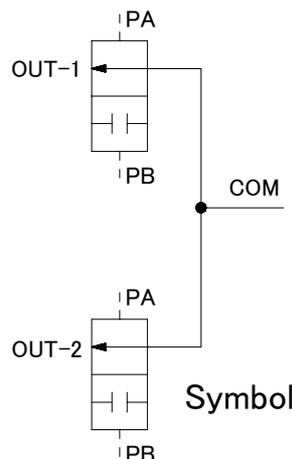
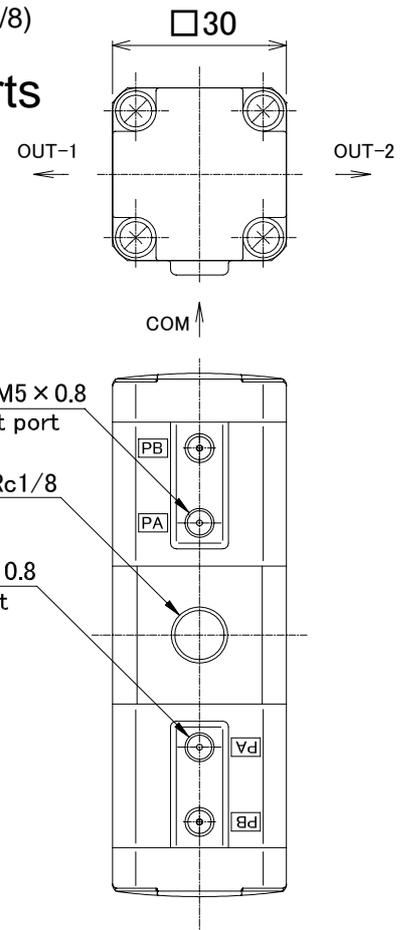
**Feature 1: Diaphragm type of high purity chemical valve
4-position 3-port air operated valve**
Combination of 2 units of 2-port valve for common pressure port COM
(Refer to symbol).

Feature 2: Vacuum specifications
Operating pressure (*1): -100kPa to 0.5MPa

Feature 3: SUS316 Body (Threaded type: 3 × Rc1/8)

Feature 4: Materials used for wetted parts

- 1) Diaphragm → PTFE
- 2) Body → SUS316



*1) Do not use this product for vacuum holding.

 **Warning:** Since the products specified here are used in various operating conditions, their compatibility for the specific system must be based on specifications or after analysis and/or tests to meet your specific requirements. The expected performance and safety assurance will be the responsibility of the person who has determined the compatibility of the system.

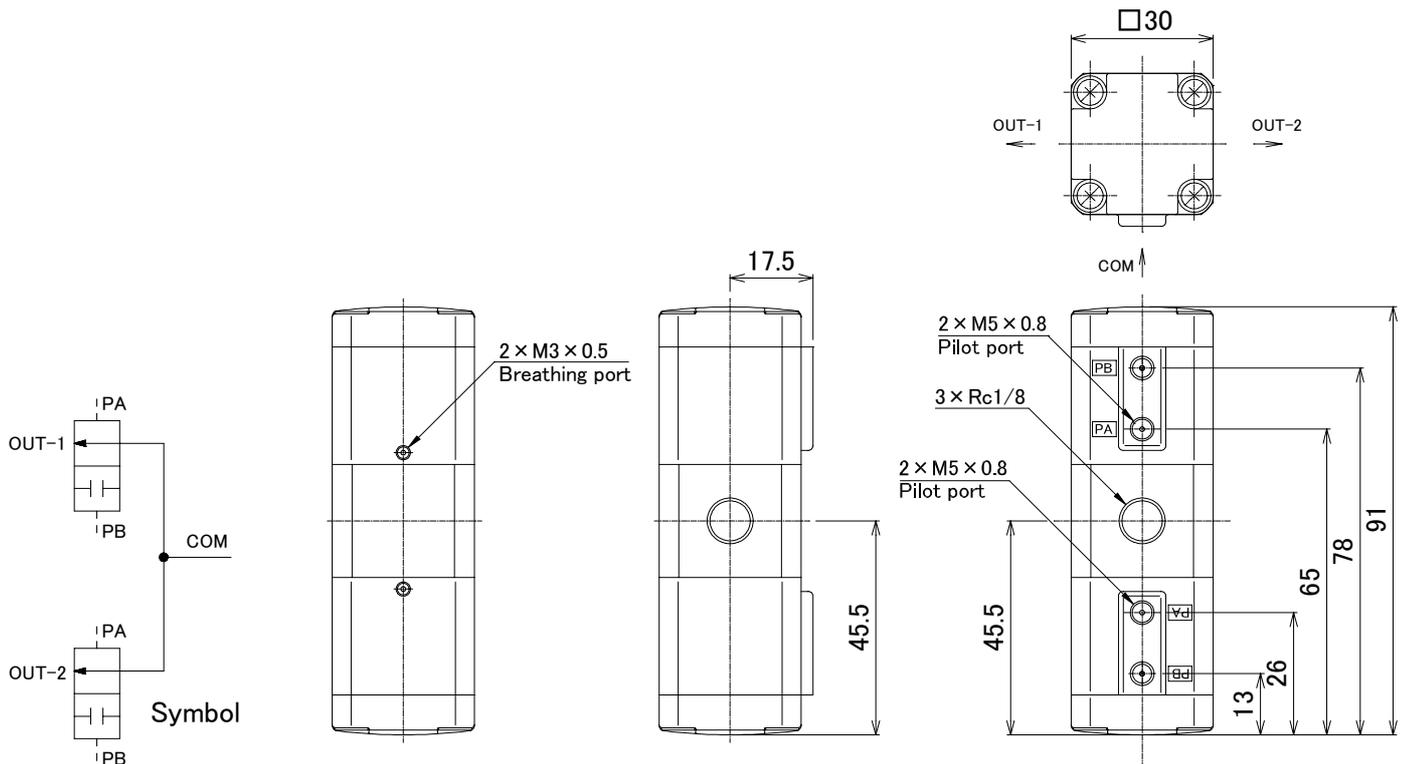
Specifications

Operation pressure	-100kPa to 0.5MPa	
Proof pressure	1MPa	
Pilot pressure	0.3 to 0.5MPa	
Back pressure	0.4MPa or less	
Valve type	Double acting type	
Valve leakage	0cm ³ /min (With water pressure 0.5MPa)	
Fluid	Deionized water, Chemical fluid, Inert gas (Limit fluids to those that are non-corrosive to wetted parts materials (*2))	
Orifice diameter	Ø4mm	
Flow characteristics $A_v \times 10^{-6} \text{m}^2$ (Cv)	8.4 (0.35)	
Fluid temperature range	0 to 100°C	
Ambient temperature range	0 to 60°C	
Materials used for wetted parts	Diaphragm	PTFE
	Body	SUS316
Port size	Rc1/8	
Pilot port size	M5	

*2) Chemical resistance of materials used for wetted parts

For compatibility of body/diaphragm materials with fluid, refer to "Applicable Fluids" in our "Series LV (high purity chemical valve)" catalog (CAT.ES70-16B).

Dimensions: mm



Note: This product is assembled and packaged in a clean room in the same way as standard product of Series LV, threaded type. Refer to "Series LV" "Quality Process Diagram" in "high purity chemical valve" catalog (CAT.ES70-16B) for details.



Caution To ensure the safest possible operation of this product, please be sure to read thoroughly the "Safety Instructions" in our "Series LV (high purity chemical valve)" catalog before use.