

# Air Operated Valve Diaphragm Type with Indicator

## LVA400-04N-4-X2

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### Feature 1: Diaphragm type of High Purity Chemical Valve 4-position 3-port air operated valve

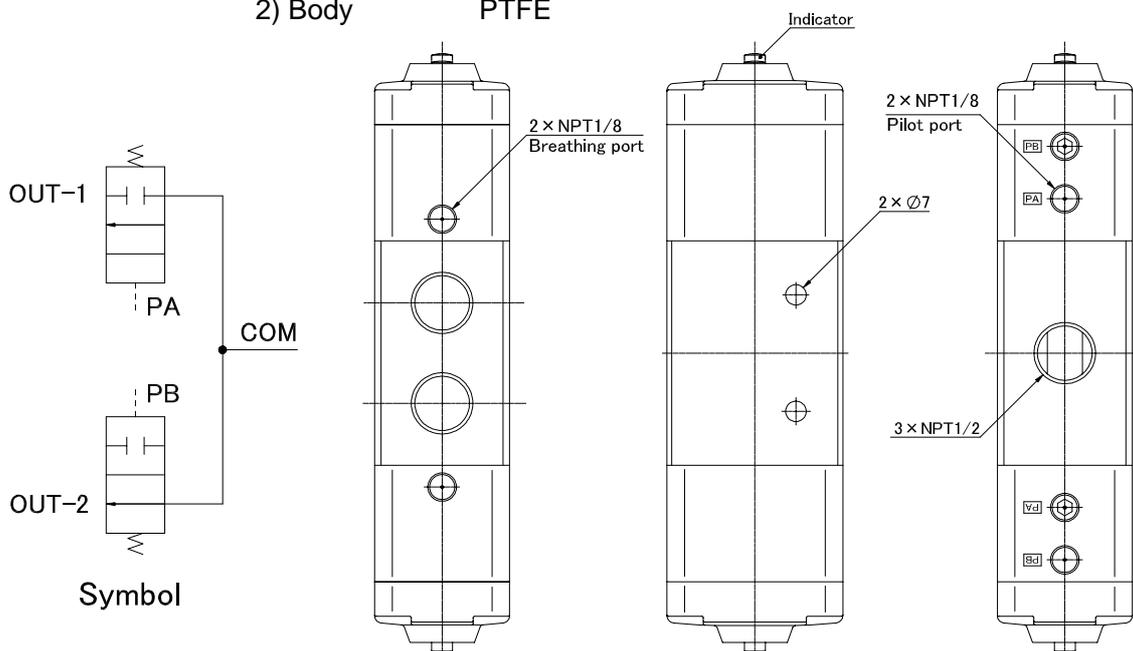
Combination of 2 units of 2-port valve for common pressure port COM  
(Refer to symbol).

### Feature 2: With indicator

### Feature 3: Port size (NPT1/2)

### Feature 4: Materials used for wetted parts (\*1)

- 1) Diaphragm PTFE
- 2) Body PTFE



\*1) Chemical resistance of materials used for wetted parts

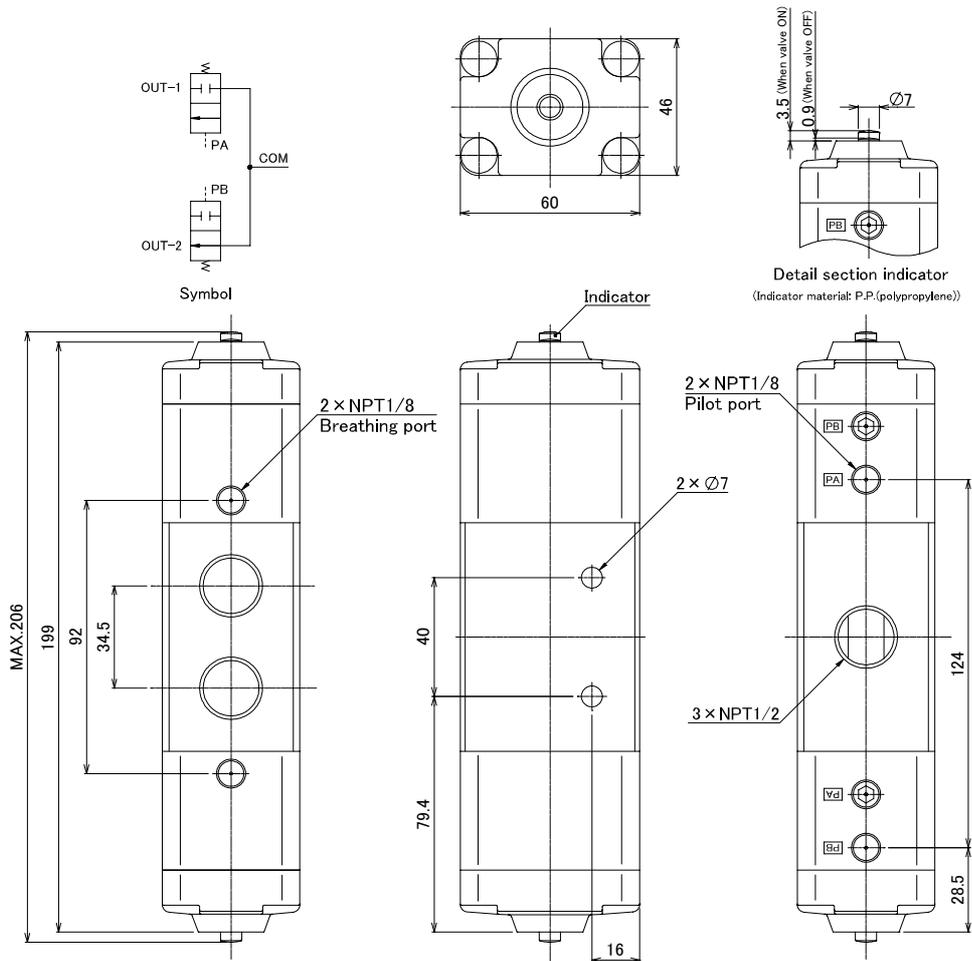
For compatibility of body/diaphragm materials with fluid, refer to "Applicable Fluids" in our "Series LV (High Purity Chemical Valve)" catalog (CAT.ES70-16B).

 **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 (COM→OUT1/OUT2)		0 to 0.5MPa
Proof pressure		1MPa
Pilot pressure		0.3 to 0.5MPa
Back pressure		0.3MPa or less
Valve type		N.C. type
Valve leakage		0cm <sup>3</sup> /min (With water pressure)
Fluid		Deionized water, Chemical fluid, Inert gas (Limit fluids to those that are non-corrosive to wetted parts materials)
Orifice diameter		Ø12mm
Flow characteristics $A_v \times 10^{-6}m^2$ (Cv)		79.2 (3.3)
Fluid temperature range		0 to 100°C
Ambient temperature range		0 to 60°C
Materials used for wetted parts	Diaphragm	PTFE
	Body	PTFE
Port size	COM	NPT1/2
	OUT-1	
	OUT-2	
Pilot port size		NPT1/8

# Dimensions: mm



(Refer to the note on the following page.)

Note: This product is assembled and packaged in a clean room in the same way as standard product of Series LV. 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.

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