

## Chemical Liquid Valves

### High Purity Chemical Liquid Valve/Air Operated, Integrated Fitting Type **LVC**



- Body material: New PFA
- N.C./N.O./Double acting all feature the same configuration.
- Compatible with fluid temperatures of 100°C
- Manifold type no.: LLC2, LLC3, LLC4, LLC5

Series	Type	Valve type	Applicable tubing O.D.	Orifice diameter [mmø]
LVC	Integrated fitting	N.C./N.O./Double acting	Metric: 3 to 25 Inch: 1/8 to 1	4 to 22

### High Purity Chemical Liquid Valve/Air Operated, Threaded Type **LVA**



- Body materials: New PFA/Stainless steel/PPS
- Diaphragm materials: PTFE, EPR, or NBR can be selected.
- Manifold type no.: LLA2, LLA3, LLA4, LLA5

Series	Type	Valve type	Port size	Orifice diameter [mmø]
LVA	Threaded type	N.C./N.O./Double acting	1/8 to 1	2 to 22

#### Organic Solvents Compatible

- Body material: Stainless steel
- Actuator material: ADC
- Buffer materials: FKM/EPDM
- Fitting types: Double ferrule fittings, Metal gasket seal fittings, Integrated tubing



Series	Type	Valve type	Applicable tubing O.D.	Orifice diameter [mmø]
LVA	Double ferrule fittings, Metal gasket seal fittings, Integrated tubing	N.C./N.O./Double acting	Metric: 6 to 19 Inch: 1/4 to 1	4 to 22

### High Purity Chemical Liquid Valve/Manually Operated (Integrated Fitting Type/Threaded Type) **LVH**



- Body materials: New PFA/Stainless steel/PPS
- Compatible with locking and non-locking types
- Manifold type no.: LLH2, LLH3, LLH4

Series	Type	Valve type	Port size (Applicable tubing O.D.)	Orifice diameter [mmø]
LVH	Manually operated type (Integrated fitting/ Threaded type)	N.C.	Threaded type: 1/8 to 1/2 Integrated fitting: Metric: ø3 to ø12 Inch: 1/8 to 1/2	4 to 12

#### Organic Solvents Compatible

- Body material: Stainless steel
- Actuator material: ADC
- Buffer materials: FKM/EPDM
- Fitting types: Double ferrule fittings, Metal gasket seal fittings, Integrated tubing



Series	Type	Valve type	Applicable tubing O.D.	Orifice diameter [mmø]
LVH□M	Double ferrule fittings, Metal gasket seal fittings, Integrated tubing	N.C.	Metric: 6 to 19 Inch: 1/4 to 1	4 to 22

## Chemical Liquid Valves

### Compact Type High Purity Air Operated Chemical Liquid Valve LVD



- Space saving, compact model is available. Dimension across inlet/outlet ports: Reduced by up to 29%
- Body material: New PFA
- Diaphragm material: PTFE
- Actuator materials: PPS, PVDF (LVD-F/FN)

Note) Tubing O.D. for the tube extension type

Series	Type	Valve type	Applicable tubing O.D. (Note)		Orifice diameter [mmø]
			Metric	Inch	
LVD	Integrated fittings	N.C./N.O./Double acting	3 to 19	1/8 to 3/4	2 to 16
LVD	Tube extensions	N.C./N.O./Double acting	6 to 19	1/4 to 3/4	4 to 16
LVD-F/FN	LQ1 Integrated fittings	N.C./N.O./Double acting	3 to 25	1/8 to 1	4 to 22
LVD-F/FN	LQ3 Integrated fittings	N.C./N.O./Double acting	6 to 25	1/4 to 1	4 to 22
LVD-F/FN	Tube extensions	N.C./N.O./Double acting	6 to 25	1/4 to 1	4 to 22

### High Purity Chemical Liquid Valve/Air Operated, Non-Metallic Exterior LVQ



- Screwless construction, Non-metallic construction doesn't use metal screws to secure the body of the actuator
- Body material: New PFA
- Diaphragm material: PTFE
- Actuator material: PVDF

Note) Tubing size

Series	Type	Valve type	Applicable tubing O.D.		Orifice diameter [mmø]
			Metric	Inch	
LVQ	Integrated fitting type	N.C./N.O./Double acting	3 to 25	1/8 to 1	4 to 22
LVQ	Space saving type	N.C./N.O./Double acting	Fitting size: 2 to 6	Fitting size: 2 to 6	4 to 22
LVQ	Tube extension type	N.C./N.O./Double acting	6 to 25 (Note)	1/4 to 1 (Note)	4 to 22

### Vinyl Chloride Air Operated Valve LVP



- Applicable to rigid vinyl chloride tubes: Union type with PVC unfixed union
- Body material: CPVC, Diaphragm material: PTFE
- O-ring materials: FKM, EPDM (Selectable)
- Applicable fluids: Deionized water, Chemical liquids

Series	Applicable tubing O.D.	Orifice diameter [mmø]	Valve type	Option
LVP5□	O.D. ø22 (Nominal dia. 16 A)	16	N.C./N.O./Double acting	With flow rate adjustment
LVP6□	O.D. ø26 (Nominal dia. 20 A)	22	N.C./N.O./Double acting	With flow rate adjustment
LVP6□	O.D. ø32 (Nominal dia. 25 A)	22	N.C./N.O./Double acting	With flow rate adjustment

### PVC Quick Drain Valve LVW



- Compliant with JIS Standards for polyvinyl chloride piping (JIS K 6742)
- Applicable fluids: Deionized water, Chemical liquids
- Materials of wetted parts: PVC (Body)  
PTFE (Poppet)  
FKM (O-ring: Standard)  
EPDM (O-ring: Option)
- Flow rate characteristics: Cv factor 10 to 198
- Easy piping with union connection

Series	Applicable tubing O.D.	Orifice diameter	Valve type
LVW60	ø32 (Nominal dia. 25 A)	ø25	Double acting
LVW80	ø38 (Nominal dia. 32 A)	ø40	Double acting
LVW80	ø48 (Nominal dia. 40 A)	ø40	Double acting
LVW90	ø60 (Nominal dia. 50 A)	ø65	Double acting
LVW90	ø75 (Nominal dia. 65 A)	ø65	Double acting
LVW90	ø89 (Nominal dia. 80 A)	ø80	Double acting