

Integral Fitting Type (Hyper Fittings) Series *LVD*

How to Order

LVD 1 0 - S 03

Body class

Symbol	Body class	Orifice dia.
1	1	ø2
2	2	ø4
3	3	ø8
4	4	ø10
5	5	ø16

Valve type

0	N.C.
1	N.O.
2	Double acting

Note) Refer to "Variations" in the table below for valve type combinations.

Option

Nil	None
1	With flow rate adjustment
2	With bypass
3	With flow rate adjustment & bypass

Note) Refer to "Variations" in the table below for option combinations. Options can not be combined each other.

Material

Symbol	Body	Actuator section End plate	Diaphragm	Note
Nil	PFA	PPS	PTFE	—
N	PFA	PPS	PTFE	Ammonium hydroxide compatible

Pilot port thread type

Symbol	Body class	Thread type
Nil	1	ø4 One-touch fitting
	2, 3, 4, 5	ø6 One-touch fitting
2	1, 2, 3, 4, 5	M5 x 0.8

Port B (OUT) different dia. size

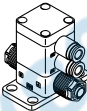
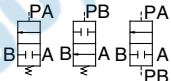















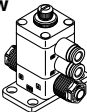
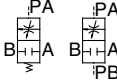










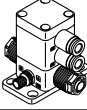
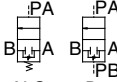











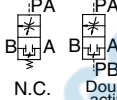





Symbol	Application
Nil	Ports A & B same size
	Refer to the applicable tubing table to the left
	Different diameter tubings can be selected within the same body class.
	Different diameter tubing can not be selected for the body size 1.

Applicable tubing size

Symbol	Connecting tubing outside diameter	Body class
		1 2 3 4 5
Metric sizes		
03	ø3	○ ●
04	ø4	○ ●
06	ø6	○ ●
08	ø8	○ ●
10	ø10	○ ●
12	ø12	○ ●
19	ø19	○ ●
Inch sizes		
03	1/8	○ ●
05	3/16	○ ●
07	1/4	○ ●
11	3/8	○ ●
13	1/2	○ ●
19	3/4	○ ●

○ Basic size ● With reducer

Variations

Type	Symbol	Valve type	Model	LVD10	LVD20	LVD30	LVD40	LVD50	
			Orifice diameter	ø2	ø4	ø8	ø10	ø16	
			Tubing O.D.	Metric	3, 4	3, 4, 6	6, 8, 10	10, 12	12, 19
			Inch <td>1/8</td> <td>1/8, 3/16, 1/4</td> <td>1/4, 3/8</td> <td>3/8, 1/2</td> <td>1/2, 3/4</td>	1/8	1/8, 3/16, 1/4	1/4, 3/8	3/8, 1/2	1/2, 3/4	
Basic type 	 N.C. N.O. Double acting	N.C.							
		N.O.							
		Double acting							
With flow rate adjustment 	 N.C. Double acting	N.C.							
		Double acting							
With bypass 	 N.C. Double acting	N.C.							
		Double acting							
With flow rate adjustment & bypass 	 N.C. Double acting	N.C.							
		Double acting	