

Air Operated Insert Bushing Integrated Fitting Type LVC Series



How to Order Valve (Single Type)

For N.C.

Body class: 2

LVC 2 0 - S 06 [] [] - [] [] - [] - Z

Valve type
0 N.C.

Pilot port thread type

Symbol	Thread type
Nil	Rc
N	NPT
F	G

For N.O.

Body class: 2

LVC 2 1 - S 06 [] [] - [] [] - [] [] - []

Valve type
1 N.O.

Pilot port thread size 1/8

Symbol	Body class	Orifice dia.
2	2	ø4

Body class:
3, 4, 5, 6

LVC 3 0 - S 10 [] [] - [] [] - [] [] - V

Body class

Symbol	Body class	Orifice dia.
3	3	ø8
4	4	ø10
5	5	ø16
6	6	ø22

Valve type
0 N.C.
1 N.O.

*: Refer to Variations for valve type combinations.

LQ2 integrated fitting

Applicable tubing size^{*1*2}

Symbol	Connecting tubing size	Body class					
		2	3	4	5	6	
Metric size							
03	3 x 2	●					
04	4 x 3	●					
06	6 x 4	○	●				
08	8 x 6		●				
10	10 x 8		○	●			
12	12 x 10			○	●		
19	19 x 16				○	●	
25	25 x 22					○	
Inch size							
03	1/8" x 0.086"	●					
05	3/16" x 1/8"	●					
07	1/4" x 5/32"	○	●				
11	3/8" x 1/4"		○	●			
13	1/2" x 3/8"			○	●		
19	3/4" x 5/8"				○	●	
25	1" x 7/8"					○	

○ Basic size ● With reducer

*1: Applicable fitting for body class 6 is LQ1.

*2: Refer to the Web Catalog for details of the applicable tubing sizes.

Port B (OUT) different dia. size

Symbol	Application
Nil	Ports A & B same size
	Different diameter tubing can be selected within the same body class.

Refer to the applicable tubing table on the left.

Pilot port thread type

Symbol	Body class	Thread type
Nil	2	M5
N	3, 4, 5, 6	Rc1/8
F	3, 4, 5, 6	NPT1/8

Material

Symbol	Body	Actuator section End plate	Diaphragm	Applicable option				Note
				1	2	3	4	
Nil	PFA	PPS	PTFE	●	●	●	●	—
F	PFA	PVDF	PTFE	—	—	—	—	Hydrofluoric acid compatible (Only LVC40, 50 type)
N	PFA	PPS	PTFE	●	●	●	●	Ammonium hydroxide compatible

Option

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

*: Refer to Variations for option combinations. Options cannot be combined.

Specifications

Nil	None
V	Vacuum specification

*: Applicable to only material symbol Nil.

Variations

Type	Symbol	Model	Orifice diameter				
			LVC20	LVC30	LVC40	LVC50	LVC60
			ø4	ø8	ø10	ø16	ø22
			Tubing O.D.				
			Metric				
			Inch				
			1/8, 3/16, 1/4	1/4, 3/8	3/8, 1/2	1/2, 3/4	3/4, 1
Basic		N.C.	○	○	○	○	○
		N.O.	○	○	○	○	○
With flow rate adjustment		N.C.	○	○	○	○	○
		N.O.	○	○	○	○	○
With bypass		N.C.	—	○	○	○	—
		N.O.	○	○	○	○	○
With flow rate adjustment & bypass		N.C.	—	○	○	○	—
		N.O.	○	○	○	○	○
With indicator		N.C.	○	○	○	○	○
		N.O.	○	○	○	○	○

SMC validation products have been validated based on ISO 13849-2: 2012 Annex A & B.