

# Air Operated Type Integral Fitting Type (Hyper Fittings) Series LVQ

## How to Order

**LVQ 2 0 - S 07**

### Body class

Symbol	Body class	Orifice dia.
2	2	ø4
3	3	ø8
4	4	ø10
5	5	ø16
6	6	ø22

### Valve type

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

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

### Fitting type

Symbol	Fittings	Body class
V	LQ1	2, 3, 4, 5, 6
S	LQ2	2, 3, 4, 5

### Applicable tubing size

Symbol	Connecting tubing O.D.	Body class				
		2	3	4	5	6
<b>Metric sizes</b>						
03	ø3	●				
04	ø4	●				
06	ø6	○	●			
08	ø8		●			
10	ø10		○	●		
12	ø12			○	●	
19	ø19				○	●
25	ø25					○
<b>Inch sizes</b>						
03	1/8	●				
05	3/16	●				
07	1/4	○	●			
11	3/8		○	●		
13	1/2			○	●	
19	3/4				○	●
25	1					○

○ Basic size ● With reducer

### 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.

### Pilot port thread type

Nil	LQ1 integral fitting	Connection tubing O.D. 1/8" (ø3)
M	LQ1 integral fitting	Connection tubing O.D. ø4
R	Threaded	Rc 1/8
N	Threaded	NP T1/8

### Option (2)

Symbol	Applicable option										Note
	1	2	3	4	5	6	7	8	9	24	
Nil	○	○	○	○	○	○	○	○	○	○	—
J	○	—	—	—	—	—	—	—	—	—	For high temperature
K	○	○	○	○	○	○	○	○	○	○	Buffer material FFKM
N	○	○	○	○	○	○	○	○	○	○	For ammonium hydroxide
P	—	—	—	○	○	—	—	—	—	—	High flow spec. LVQ6□ only

### Option (1)

Nil	None	6	High back pressure with flow rate adjustment
1	With flow rate adjustment	7	High back pressure with bypass
2	With bypass	8	High back pressure with flow rate adjustment & bypass
3	With flow rate adjustment & bypass	9	High back pressure with indicator
4	With indicator	24	With indicator & bypass
5	High back pressure (0.42 MPa)		

Note) Options (2) cannot be combined with each other.

Note) Refer to variations in the table below for valve type and option (1) combinations. Options (1) can not be combined each other.

### Variations

Type	Symbol	Model	Orifice diameter				
			Tubing outside dia.				
			LVQ20	LVQ30	LVQ40	LVQ50	LVQ60
			ø4	ø8	ø10	ø16	ø22
			6	10	12	19	25
			1/4	3/8	1/2	3/4	1
<b>Basic type</b>		N.C.	○	○	○	○	○
		N.O.	○	○	○	○	○
		Double acting	○	○	○	○	○
<b>With flow rate adjustment</b>		N.C.	○	○	○	○	○
<b>With bypass</b>		N.C.	○	○	○	○	○
		Double acting	○	○	○	○	○
<b>With flow rate adjustment &amp; bypass</b>		N.C.	○	○	○	○	○
<b>With indicator</b>		N.C.	○	○	○	○	○
<b>High back pressure</b>		N.C.	○	○	○	○	○
<b>With indicator &amp; bypass</b>		N.C.	○	○	○	○	○