

## How to Order

### Tubing connection

LQ1 E 11

#### Fitting type

Symbol	Type
E	Union elbow
T	Union tee
P	Panel mount union
U	Union
F	Union flange

#### Combination of different diameter (on B side)

Class	No.	Applicable tubing size (mm)
1	1	4 x 3
1	2	3 x 2
2	1	6 x 4
2	2	4 x 3
3	1	10 x 8
3	2	8 x 6
3	3	6 x 4
4	1	12 x 10
4	2	10 x 8
5	1	19 x 16
5	2	12 x 10
6	1	25 x 22
6	2	19 x 16

Class	No.	Applicable tubing size (inch)
1	A	1/8" x 0.086"
—	—	—
2	A	1/4" x 5/32"
2	B	3/16" x 1/8"
2	C	1/8" x 0.086"
3	A	3/8" x 1/4"
3	B	1/4" x 5/32"
4	A	1/2" x 3/8"
4	B	3/8" x 1/4"
5	A	3/4" x 5/8"
5	B	1/2" x 3/8"
6	A	1" x 7/8"
6	B	3/4" x 5/8"



Note) For each body class, the second and later numbers or symbols indicate reducing. However, in case of size 1, the tubing cannot be changed by reducing.

### Size combination

Class	No.	Applicable tubing size (mm)
1	1	4 x 3
1	2	3 x 2
2	1	6 x 4
2	2	4 x 3
3	1	10 x 8
3	2	8 x 6
3	3	6 x 4
4	1	12 x 10
4	2	10 x 8
5	1	19 x 16
5	2	12 x 10
6	1	25 x 22
6	2	19 x 16

Class	No.	Applicable tubing size (inch)	Applicable flange
1	A	1/8" x 0.086"	—
—	—	—	—
2	A	1/4" x 5/32"	—
2	B	3/16" x 1/8"	—
2	C	1/8" x 0.086"	—
3	A	3/8" x 1/4"	—
3	B	1/4" x 5/32"	—
4	A	1/2" x 3/8"	15 A
4	B	3/8" x 1/4"	15 A
5	A	3/4" x 5/8"	20 A
5	B	1/2" x 3/8"	20 A
6	A	1" x 7/8"	25 A
6	B	3/4" x 5/8"	25 A

Symbol	Application
Nil	Same tubing size
Refer to the applicable tubing table.	Different diameter tubing can be selected within the same body class.
Union elbow LQ1E	Union tee LQ1T
Panel mount union LQ1P	Union LQ1U



Note 1) For each body class, the second and later numbers or symbols indicate reducing. However, in case of size 1, the tubing cannot be changed by reducing.

Note 2) Sizes 1 to 3 are not available for the union flange

Note 3) For Union flange, nut sizes 4 and 5 are as shown below.

LQ1F4□: LQ-4N□□

LQ1F5□: LQ-5N□□

### Different diameter tubing order example

Different diameter tubing (with plug-in reducer) can be selected within the same body class.

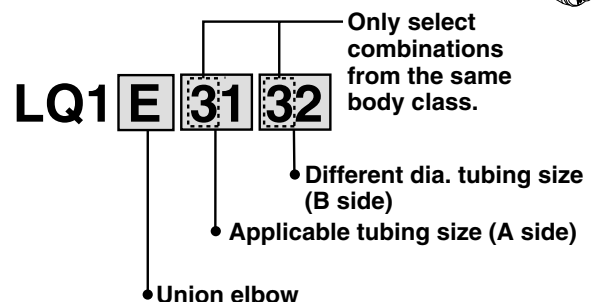
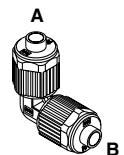
(Example) Union elbow

Body class 3

A side: ø10 x ø8

B side: ø8 x ø6

Order as shown below.

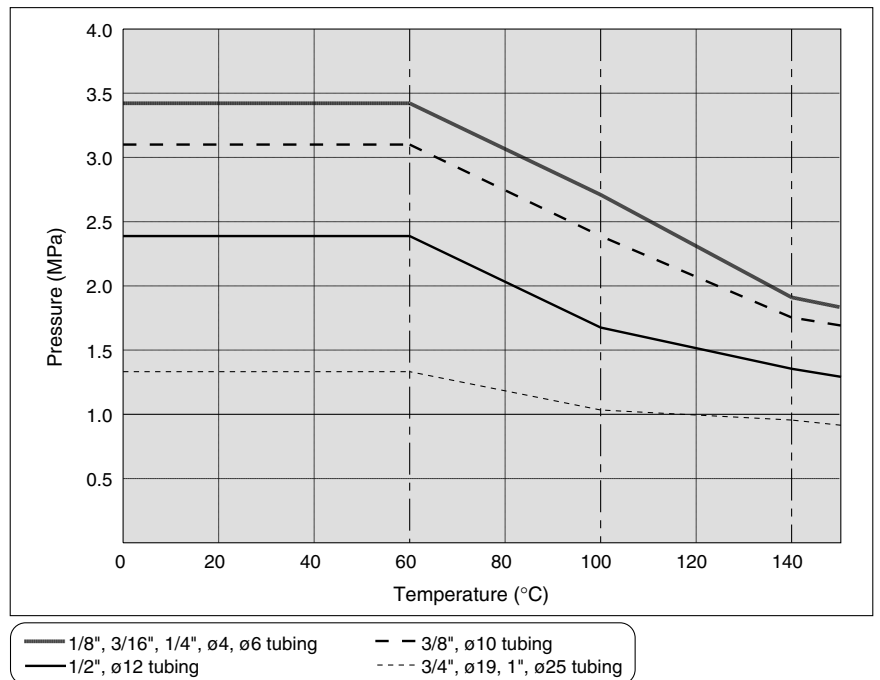




## Specifications

Feature \ Model	LQ1□10	LQ1□20	LQ1□30	LQ1□40	LQ1□50	LQ1□60
Material	NEW PFA					
Maximum operating pressure (at 20°C)	0.7 MPa					
Proof pressure	Refer to the withstand pressure and heat resistance performance curves.					
Operating temperature	0 to 150°C					

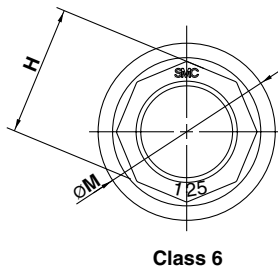
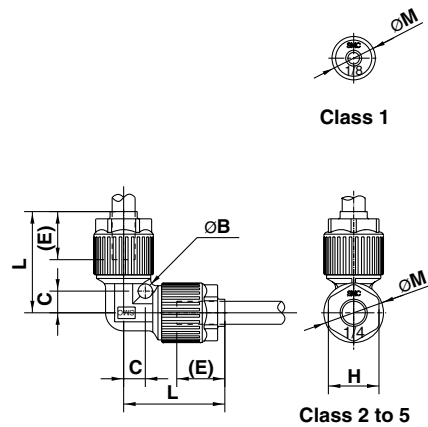
## Burst Pressure and Heat Resistance Performance



# Series LQ1

## Dimensions

### Union Elbow: LQ1E



(E) shows the approximate dimension of the inserted tubing from the end of the nut.

### Metric sizes

Model	Applicable tubing O.D.	B	C	E	H	L	M
LQ1E11□□	ø4	ø2	4	10	—	18.5	ø11.5
LQ1E12□□	ø3						
LQ1E21□□	ø6	ø4	6	15	14	28	ø16.5
LQ1E22□□	ø4						
LQ1E31□□	ø10	ø5	9	20	17	36.5	ø23
LQ1E32□□	ø8						
LQ1E33□□	ø6						
LQ1E41□□	ø12	ø6	9	24	21	43	ø28
LQ1E42□□	ø10						
LQ1E51□□	ø19	ø7	14	29	26	54	ø39
LQ1E52□□	ø12						
LQ1E61□□	ø25	ø8	18	39.5	36	69.5	ø49
LQ1E62□□	ø19						

### Inch sizes

Model	Applicable tubing O.D.	B	C	E	H	L	M
LQ1E1A□□	1/8"	ø2	4	10	—	18.5	ø11.5
LQ1E2A□□	1/4"	ø4	6	15	14	28	ø16.5
LQ1E2B□□	3/16"						
LQ1E2C□□	1/8"						
LQ1E3A□□	3/8"	ø5	9	20	17	36.5	ø23
LQ1E3B□□	1/4"						
LQ1E4A□□	1/2"	ø6	9	24	21	43	ø28
LQ1E4B□□	3/8"						
LQ1E5A□□	3/4"	ø7	14	29	26	54	ø39
LQ1E5B□□	1/2"						
LQ1E6A□□	1"	ø8	18	39.5	36	69.5	ø49
LQ1E6B□□	3/4"						