

## 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.

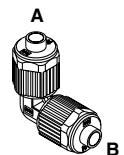
(Example) Union elbow

Body class 3

A side: ø10 x ø8

B side: ø8 x ø6

Order as shown below.



LQ1 E 31 32

Only select combinations from the same body class.

Different dia. tubing size (B side)

Applicable tubing size (A side)

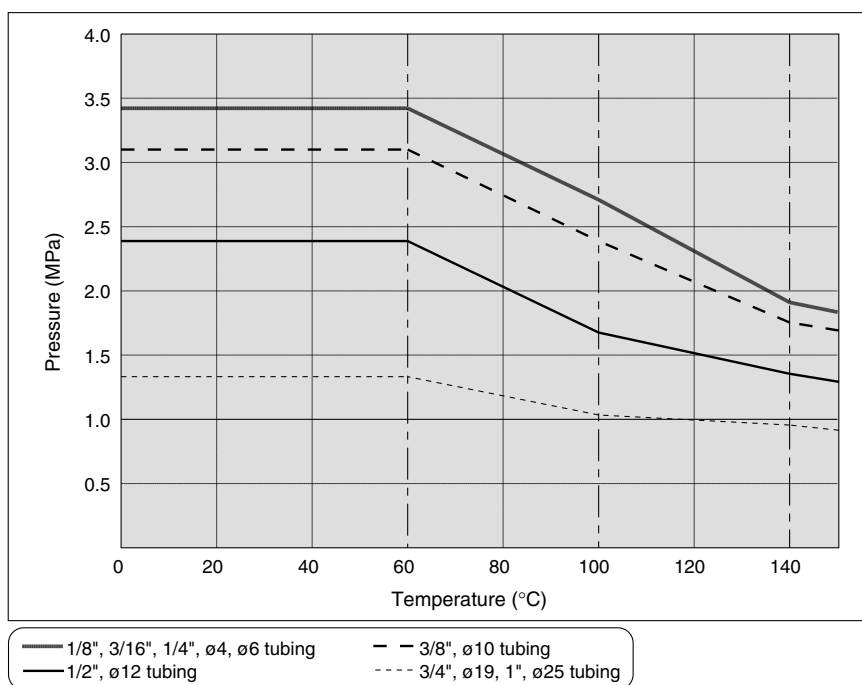
Union elbow



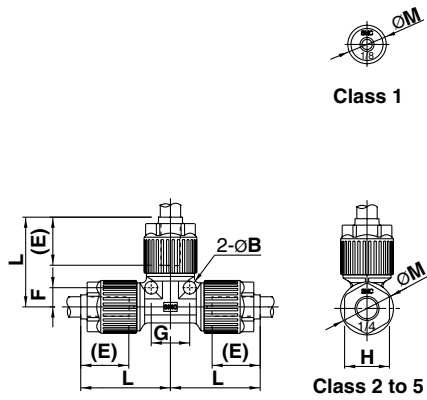
## Specifications

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



## Union Tee: LQ1T



### Metric sizes

Model	Applicable tubing O.D.	B	E	F	G	H	L	M
LQ1T11□□	ø4	ø2	10	4	8	—	18.5	11.5
LQ1T12□□	ø3							
LQ1T21□□	ø6	ø4	15	6	12	14	28	16.5
LQ1T22□□	ø4							
LQ1T31□□	ø10	ø5	20	9	18	17	36.5	23
LQ1T32□□	ø8							
LQ1T33□□	ø6							
LQ1T41□□	ø12	ø6	24	9	18	21	43	28
LQ1T42□□	ø10							
LQ1T51□□	ø19	ø7	29	14	28	26	54	39
LQ1T52□□	ø12							
LQ1T61□□	ø25	ø8	39.5	18	36	36	69.5	49
LQ1T62□□	ø19							

### Inch sizes

Model	Applicable tubing O.D.	B	E	F	G	H	L	M
LQ1T1A□□	1/8"	ø2	10	4	8	—	18.5	11.5
LQ1T2A□□	1/4"							
LQ1T2B□□	3/16"	ø4	15	6	12	14	28	16.5
LQ1T2C□□	1/8"							
LQ1T3A□□	3/8"	ø5	20	9	18	17	36.5	23
LQ1T3B□□	1/4"							
LQ1T4A□□	1/2"	ø6	24	9	18	21	43	28
LQ1T4B□□	3/8"							
LQ1T5A□□	3/4"	ø7	29	14	28	26	54	39
LQ1T5B□□	1/2"							
LQ1T6A□□	1"	ø8	39.5	18	36	36	69.5	49
LQ1T6B□□	3/4"							

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