

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"	—
5	A	3/4" x 5/8"	20 A
5	B	1/2" x 3/8"	—
6	A	1" x 7/8"	25 A
6	B	3/4" x 5/8"	—

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.

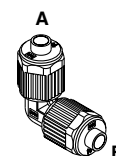
(Example) Union elbow

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)

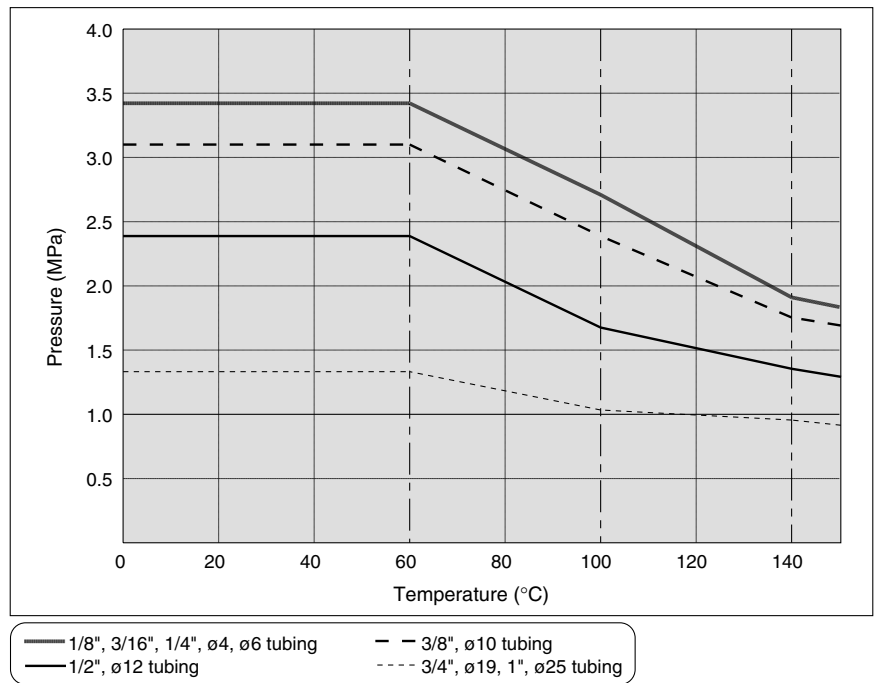
Union elbow



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					

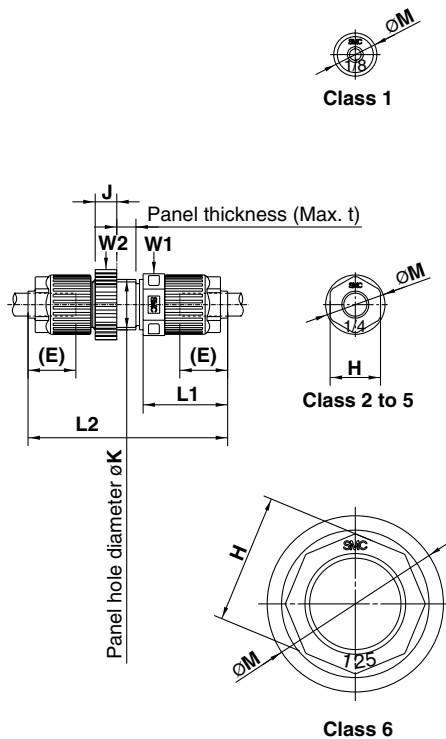
Burst Pressure and Heat Resistance Performance



Series LQ1

Dimensions

Panel Mount Union: LQ1P



(E) shows the approximate dimension of the inserted tubing from the end of the nut.
 "W" is width across flats dimension.

Metric sizes

Model	Applicable tubing O.D.	E	H	J	K	L1	L2	M	t	W1	W2
LQ1P11□□	ø4	10	—	6	10.5	17	44	ø11.5	8	11	13
LQ1P12□□	ø3	10	—	6	10.5	17	44	ø11.5	8	11	13
LQ1P21□□	ø6	15	14	6	14.5	23.5	55.5	ø16.5	8	15	17
LQ1P22□□	ø4	15	14	6	14.5	23.5	55.5	ø16.5	8	15	17
LQ1P31□□	ø10	20	17	7	20.5	30	69	ø23	8	21	24
LQ1P32□□	ø8	20	17	7	20.5	30	69	ø23	8	21	24
LQ1P33□□	ø6	20	17	7	20.5	30	69	ø23	8	21	24
LQ1P41□□	ø12	24	21	7	24.5	35	78.5	ø28	8	26	28
LQ1P42□□	ø10	24	21	7	24.5	35	78.5	ø28	8	26	28
LQ1P51□□	ø19	29	26	9	36.5	43.5	100	ø39	9	39	43
LQ1P52□□	ø12	29	26	9	36.5	43.5	100	ø39	9	39	43
LQ1P61□□	ø25	39.5	36	10	48.5	58.5	133	ø49	10	51	55
LQ1P62□□	ø19	39.5	36	10	48.5	58.5	133	ø49	10	51	55

Inch sizes

Model	Applicable tubing O.D.	E	H	J	K	L1	L2	M	t	W1	W2
LQ1P1A□□	1/8"	10	—	6	10.5	17	44	ø11.5	8	11	13
LQ1P2A□□	1/4"	10	—	6	10.5	17	44	ø11.5	8	11	13
LQ1P2B□□	3/16"	15	14	6	14.5	23.5	55.5	ø16.5	8	15	17
LQ1P2C□□	1/8"	15	14	6	14.5	23.5	55.5	ø16.5	8	15	17
LQ1P3A□□	3/8"	20	17	7	20.5	30	69	ø23	8	21	24
LQ1P3B□□	1/4"	20	17	7	20.5	30	69	ø23	8	21	24
LQ1P4A□□	1/2"	24	21	7	24.5	35	78.5	ø28	8	26	28
LQ1P4B□□	3/8"	24	21	7	24.5	35	78.5	ø28	8	26	28
LQ1P5A□□	3/4"	29	26	9	36.5	43.5	100	ø39	9	39	43
LQ1P5B□□	1/2"	29	26	9	36.5	43.5	100	ø39	9	39	43
LQ1P6A□□	1"	39.5	36	10	48.5	58.5	133	ø49	10	51	55
LQ1P6B□□	3/4"	39.5	36	10	48.5	58.5	133	ø49	10	51	55