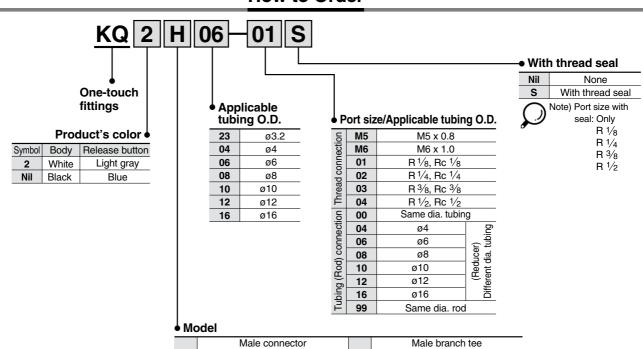


One-touch Fittings Series KQ2

Applicable Tubing: Metric Size Connection Thread: M, R, Rc

How to Order



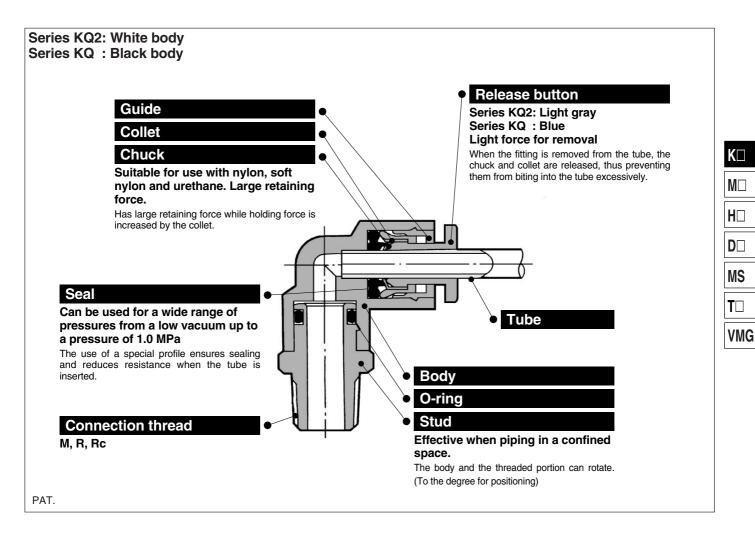
Accessory
Symbol Name
Nipple
KQ2N Reducer nipple
Adaptor
KQ2C Tube cap
KQ2C Color cap
KQ2P Plug (White)
KQP Plug (Blue)

Use the below part number to order the gasket for M5 and M6 threads. Gasket for M5 thread: M-5G2 Gasket for M6 thread: M-6G

	Male connector		Male branch tee	
н	Straight union	Т	Union tee	
	Different diameter straight		Different diameter tee * Note)	
S	Hex. socket head male connector	TW	Cross*	
F	Female connector	TX	Different diameter cross*	
	Male elbow	TY	Different diameter cross*	
	Union elbow	Υ	Male run tee	
L	Plug-in elbow	_	Male delta union	
	Reducer elbow	D	Delta union	
LU	Male branch connector		Branch	
LU	Branch union elbow		Union "Y"	
K	45° male elbow	U	Different dia. union "Y"	
٧	Universal male elbow		Plug-in "Y"	
vs	Hexagon socket head universal male elbow	UD	Delta branch	
۷F	Universal female elbow	שט	Different dia. double union "Y"	
LF	Female elbow	XD	Double plug-in "Y"	
۷D	Double universal male elbow	Х	Different diameter plug-in "Y"	
VT	Triple universal male elbow	R	Plug-in reducer	
Z	Branch universal male elbow	_	Bulkhead union	
ZF	Branch universal female elbow	E	Bulkhead connector	
ZD	Double branch universal male elbow	LE	Bulkhead male elbow	
ZT	Triple branch universal male elbow			
147	Extended plug-in elbow			
W	Extended male elbow	1		

 * Available only for white color body.
 Note) KQT06-04, KQT08-06, KQT10-08, and KQT12-10 are available as made to order.





One-touch IN/OUT connection. Applicable Tubing Possible to use in vacuum to -100 kPa

- Applications for metric size tubing
- Applicable tubing material-Nylon, Soft nylon, **Polyurethane**



Tubing material	Nylon, Soft nylon, Polyurethane
Tubing O.D.	ø3.2, ø4, ø6, ø8, ø10, ø12, ø16

Product's Color

Series	Body	Release button
Series KQ2	White	Light gray
Series KQ	Black	Blue

Specifications

opeomedions .							
Fluid		Air/Water Note)					
Maximum operatin	g pressure	1.0 MPa					
Operating vacuum	pressure	–100 kPa					
Proof pressure		3.0 MPa					
Ambient and fluid t	emperature	-5 to 60°C, Water: 0 to 40°C (No freezing)					
Thread	Mounting section	JIS B 0203 (Taper thread for piping) JIS B 0209 Class 2 (Metric coarse thread)					
	Nut section	JIS B 0211 Class 2 (Metric fine thread)					
Seal (Thread portion	on)	With seal or none					
<u> </u>							

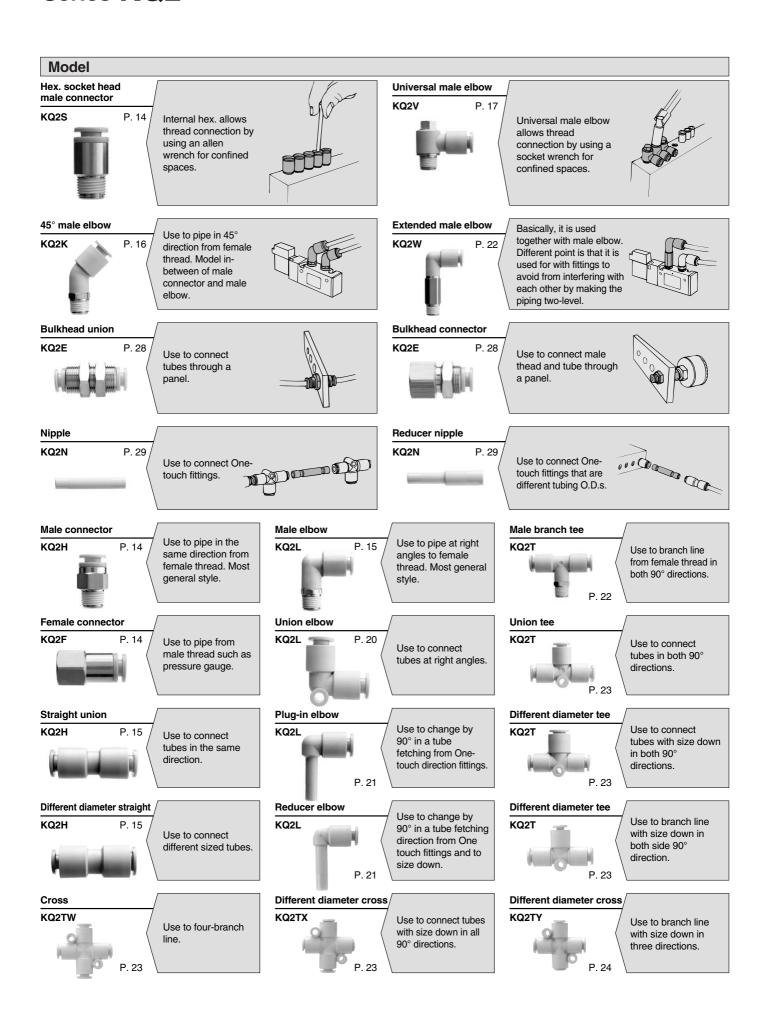
Note) Applicable for general industrial water. Please consult with SMC if using for other kinds of fluid. Also, the surge pressure must be under the maximum operating pressure.

Principal Parts Material

Body	C3604BD, PBT, PP
Stud	C3604BD (Thread portion)
Chuck	Stainless steel 304
Guide	Stainless steel 304, C3604BD, POM
Collet, Release button	POM
Seal, O-ring	NBR
Gasket	Stainless steel 304, NBR



Series KQ2

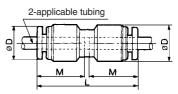


One-touch Fittings Series KQ2

Straight Union: KQ2H



Applicable tubing O.D.	Model	øD (1)	L	М	Effective area (2) (mm²)		vveignt	
(mm)					Nylon	Urethane	(g)	
3.2	KQ2H23-00	9.6	31.5	15.5	3.4	2.9	3	
4	KQ2H04-00	10.4	32.5	16	5.6	4	3	
6	KQ2H06-00	12.8	34.5	17	13.1	10.4	4	
8	KQ2H08-00	15.2	38.5	18.5	26.1	18.0	6	
10	KQ2H10-00	18.5	42.5	21	41.5	29.5	11	
12	KQ2H12-00	20.9	44.5	22	58.3	46.1	14	
16	KQ2H16-00	26.5	51	25	113	(96)	24	



Note 1) øD: Max. diameter Note 2) (): Values for soft nylon.

$\mathsf{K}\square$

 $\mathsf{M}\square$

 $H\square$

 $\mathsf{D}\Box$

MS

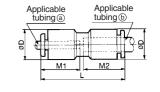
 $\mathsf{T}\Box$

VMG

Different Diameter Straight: KQ2H



Applicable tubing O.D. (mm)		Model	Note) ØD	L	L M1		Effective area (mm²)		Weight
a	(b)						Nylon	Urethane	(g)
3.2	4	KQ2H23-04	10.4	32.5	15.5	16	3.4	2.9	3
4	6	KQ2H04-06	12.8	34.5	16	17	5.6	5.6	5
6	8	KQ2H06-08	15.2	38.5	17	18.5	13.1	10.4	6
8	10	KQ2H08-10	18.5	42	18.5	21	26.1	18.0	11
10	12	KQ2H10-12	20.9	44.5	21	22	41.5	29.5	14
12	16	KQ2H12-16	26.5	56.5	22	25	58.3	46.1	47



Note) øD: Max. diameter

Male Elbow: KQ2L





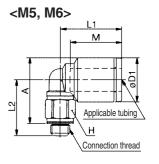
<M6>

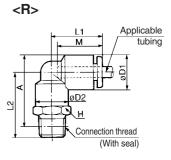






M5 x 0.8 KQ2L23-M5 7 8.5 - 15.3 13.2 14.3 12.7 2.6 2.2	ight g) 2.5 8 8 2.7
3.2 1/8 KQ2L23-01S 10 17.5 21.5 22.5 15.5 3 2.5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8
1/4 KQ2L23-02S 14 9.6 10 17.5 25.5 24.5 15.5 3 2.5 1	8
4 M5 x 0.8 KQ2L04-M5 7 M6 x 1.0 KQ2L04-M6 8 1/8 KQ2L04-01S 10 10 10 18 22 23 16 42 42 1	_
4 M6 x 1.0 KQ2L04-M6 8 9.3 — 15.6 14.7 15.3 12.7 3.5 3.5 1/8 KQ2L04-01S 10 10.4 10. 18 22 23 16 42 42 1	2.7
4 M6 x 1.0 KQ2L04-M6 8 14.7 14.7 18. 18. 14.7 18. 18. 18. 18. 18. 18. 18. 18. 18. 18.	
1/8 KQ2L04-01S 10 10 18 22 23 16 42 42 1	3.6
1/4 KQ2L04-02S 14 10.4 10 10 26 25 10 4.2 4.2 1)
	9
M5 x 0.8 KQ2L06-M5 7 11.6 — 16.1 14.7 17.4 13.5 3.5 3.5	3.2
M6 x 1.0 KQ2L06-M6 8 11.0 10.1 15.7 17.4 13.3 3.3 3.3	<u>4.1</u>
6 1/8 KQ2L06-01S 10 23 25.5	2
1/4 KQ2L06-02S 14 12.8 10 20 27 27.5 17 11.4 9.0 2	2
3/8 KQ2L06-03S 17 29 29 3	3
1/8 KQ2L08-01S 12 24.5 28 1	3
8 1/4 KQ2L08-02S 14 15.2 12 23 28.5 30 18.5 21.6 14.9 2	1
3/8 KQ2L08-03S 17 30.5 31.5 3	5
1/8 KQ2L10-01S 27 32 21.6 14.9 2	5
10 1/4 KQ2L10-02S 17 18.5 17 26.5 30 33 21 22 2	<u> </u>
3/8 KQ2L10-03\$ 32 34.5 35.2 25.0 3	<u>3</u>
1/2 KQ2L10-04S 22 36 37 6	3
1/4 KQ2L12-02S 17 31 35.5 2	3
12 3/8 KU2L12-03S 20.9 17 28.5 33 37 22 50.2 39.7 3	3
1/2 KQ2L12-04S 22 37 39.5 6	5
16 3/8 KQ2L16-03S 22 26.5 20.9 34 38 44.5 25 71 (71) 10	4
10 1/2 KQ2L16-04S 22 20.5 20.5 34 41 46 25 100 (84) 10	





* Reference dimensions after R thread installation.

Note 1) øD1: Max. diameter Note 2) (): Values for soft nylon.