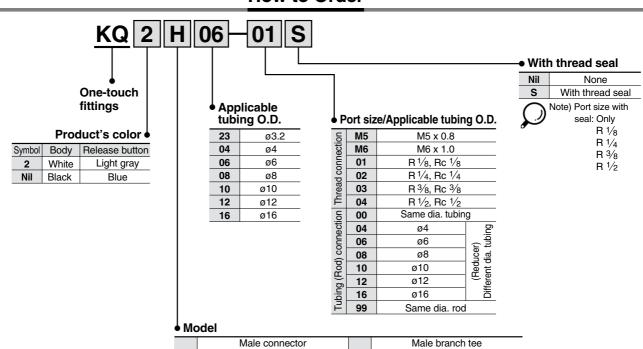


One-touch Fittings Series KQ2

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

How to Order



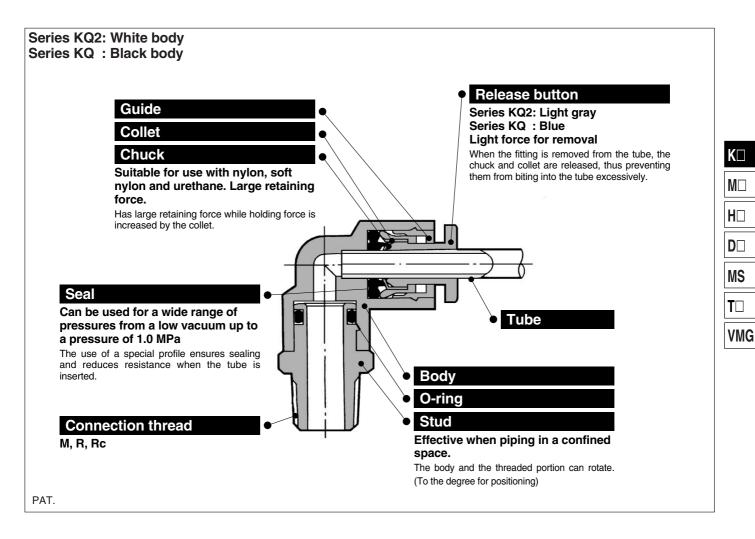
Accessory							
Accessory							
Symbol Name							
Nipple							
KQ2N Reducer nipple							
Adaptor							
KQ2C Tube cap							
KQ2C Color cap							
KQ2P Plug (White)							
KQP Plug (Blue)							

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
	Branch union elbow	U	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		

 * 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

opeomeations										
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>										

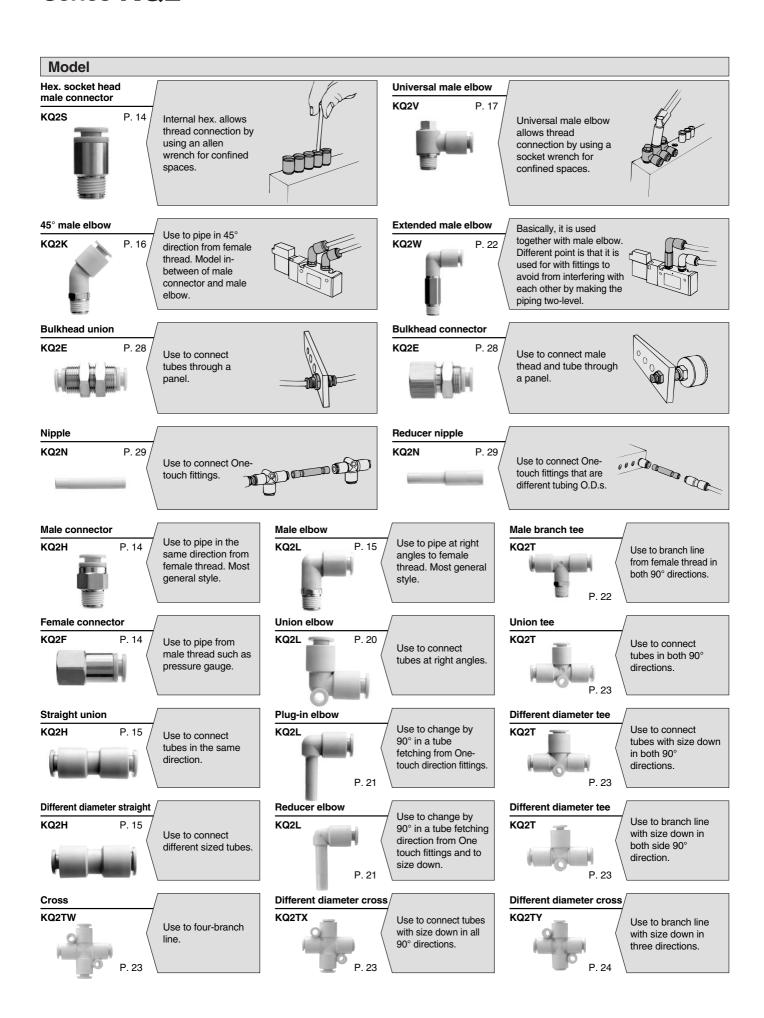
Note) Applicable for general industrial water. Please consult with SMC if using for other kinds of fluid. Also, the surge pressure must be under the maximum operating pressure.

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

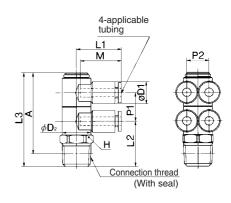


Series KQ2

Double Branch Universal Male Elbow: KQ2ZD



Applicable tubing O.D. (mm)	Connection threads R	Model	(width across flats)	Note) Ø D1		L1	L2	L3	A *	M	P1	P2	Weight (g)
	1/8	KQ2ZD04-01S	14	10.4	.4 13.4	21	18.5	41	37		13.4	10.4	34
4	1/4	KQ2ZD04-02S	14				21.5	44	38	16			40
	3/8	KQ2ZD04-03S	17				23.5	46	40				53
	1/8	KQ2ZD06-01S	14 17	12.8	3 13.4	22	18.5	41	37		13.4	12.8	38
6	1/4	KQ2ZD06-02S					21.5	44	38	17			43
	3/8	KQ2ZD06-03S					23.5	46	40				57
	1/8	KQ2ZD08-01S	19	15.2	2 17.6	6 26	21	48	44	+	15.9	15.2	76
8	1/4	KQ2ZD08-02S					24	51	45				72
O	3/8	KQ2ZD08-03S					25	52	45.5				81
	1/2	KQ2ZD08-04S					28.5	55.5	47.5				102
	1/4	KQ2ZD10-02S		18.5	20.6	20.6 29	26.5	58	52			18.5	111
10	3/8	KQ2ZD10-03S	21				27.5	59	53	21	19.2		
	1/2	KQ2ZD10-04S					30.5	62	54				128
	1/4	KQ2ZD12-02S					28.5	64.5	58.5	- 1			178
12	3/8	KQ2ZD12-03S	26	20.9	25.2	32	29.5	65.5	59		21.6	20.9	167
	1/2	KQ2ZD12-04S					32.5	68.5	60				179
* Peferance dimensions after P thread installation													



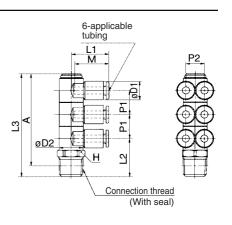


* Reference dimensions after R thread installation. Note) øD1: Max. diameter

Triple Branch Universal Male Elbow: KQ2ZT



Applicable tubing O.D. (mm)	Connection threads R	Model	H (width across flats)	Note) ØD1	øD2	L1	L2	L3	A *	М	P1	P2	Weight (g)
	1/8	KQ2ZT04-01S	14	10.4	13.4	21	18.5	54.5	50.5		13.4	10.4	25
4	1/4	KQ2ZT04-02S					21.5	57.5	51.5	16			31
	3/8	KQ2ZT04-03S	17				23.5	59.5	53.5				44
6	1/8	KQ2ZT06-01S	14	12.8	13.4	22	18.5	54.5	50.5		13.4	12.8	27
	1/4	KQ2ZT06-02S					21.5	57.5	51.5	17			33
	3/8	KQ2ZT06-03S	17				23.5	59.5	53.5				46
	1/8	KQ2ZT08-01S	19	15.2	17.6	26	21	64	60	18.5	15.9	15.2	56
8	1/4	KQ2ZT08-02S					24	67	61				54
U	3/8	KQ2ZT08-03S					25	68	61.5				62
	1/2	KQ2ZT08-04S	21				28.5	71.5	63.5				85
	1/4	KQ2ZT10-02S			20.6	.6 29	26.5	77.5	71.5			18.5	83
10	3/8	KQ2ZT10-03S	21	18.5			27.5	78.5	72	21	19.2		85
	1/2	KQ2ZT10-04S					30.5	81.5	73.5				102
	1/4	KQ2ZT12-02S					28.5	86	80	22		20.9	134
12	3/8	KQ2ZT12-03S	26	20.9	25.2	32	29.5	87	80.5		21.6		130
	1/2	KQ2ZT12-04S					32.5	90	82				141





* Reference dimensions after R thread installation. Note) øD1: Max. diameter

Union Elbow: KQ2L



Applicable tubing O.D. (mm)	Model	ø D	L	Q	М		e area ⁽²⁾ m²) Urethane	Weight (g)	
3.2	KQ2L23-00	9.6	17.5	4.3	15.5	3	2.5	3	
4	KQ2L04-00	10.4	18	4.5	16	4.2	4.2	6	
6	KQ2L06-00	12.8	20	5.3	17	11.4	9.0	6	
8	KQ2L08-00	15.2	23	6	18.5	21.6	14.9	10	
10	KQ2L10-00	18.5	26.5	6.8	21	35.2	25.0	17	
12	KQ2L12-00	20.9	28.5	7.5	22	50.2	39.7	21	
16	KQ2L16-00	26.5	34	10	25	100	(84)	29	

