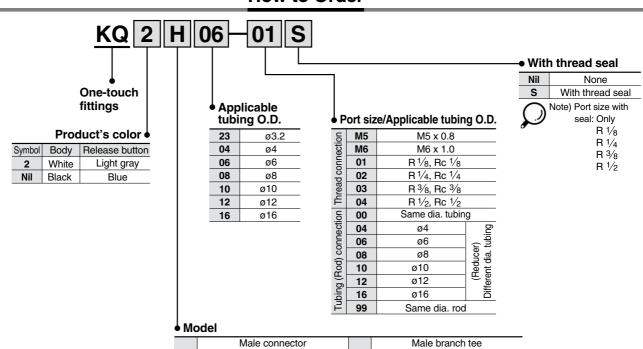


One-touch Fittings Series KQ2

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

How to Order



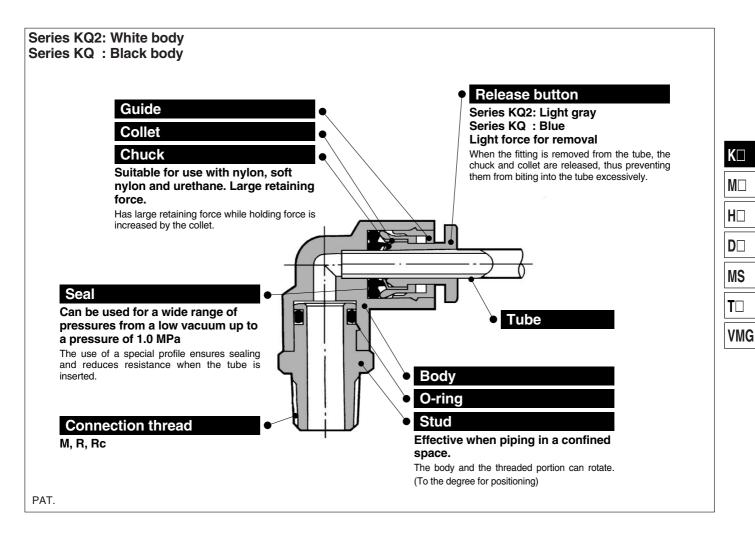
Accessory									
Accessory									
Symbol Name									
Nipple									
KQ2N Reducer nipple									
Adaptor									
KQ2C Tube cap									
KQ2C Color cap									
KQ2P Plug (White)									
KQP Plug (Blue)									

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	U	Branch				
LU	Branch union elbow		Union "Y"				
K	45° male elbow		Different dia. union "Y"				
٧	Universal male elbow		Plug-in "Y"				
vs	Hexagon socket head universal male elbow		Delta branch				
۷F	Universal female elbow	UD	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	Е	Bulkhead union				
ZF	Branch universal female elbow		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

Opecinications	peemeations										
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>											

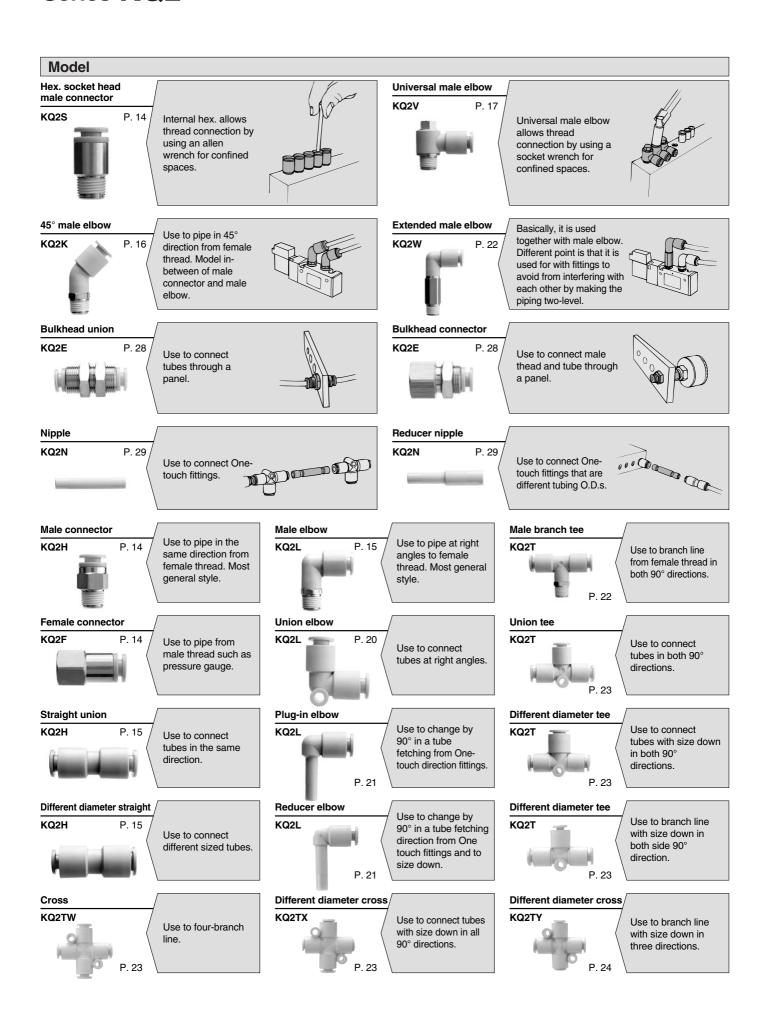
Note) Applicable for general industrial water. Please consult with SMC if using for other kinds of fluid. Also, the surge pressure must be under the maximum operating pressure.

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

Extended Male Elbow: KQ2W

<M5>

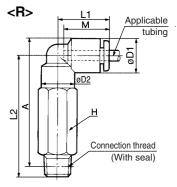






.ibow.												
Applicable tubing O.D.	Connection thread	Model	H (width across	øD1	øD2	L1	L2	_2 A*		Effective area (2) (mm²)		Weight
(mm)	R		flats)							Nylon	Urethane	(g)
	M5 x 0.8	KQ2W23-M5	8		8		30	31		2.8	2.4	10
3.2	1/8	KQ2W23-01S	10	9.6	10	17.5	37	38	15.5			19
	1/4	KQ2W23-02S	14				43	42				41
	M5 x 0.8	KQ2W04-M5	8	10.4	8		30	32	16	3.0	3.0	11
4	1/8	KQ2W04-01S	10		10	18	37.5	38.5		4.0	4.0	23
	1/4	KQ2W04-02S	14				43.5	42.5				38
	M5 x 0.8	KQ2W06-M5	8	12.8	8	20	30.5	33.5	17	3	3	11
6	1/8	KQ2W06-01S	10		10		40	42.5		10.9	8.6	26
J	1/4	KQ2W06-02S	14				46	46.5				41
	3/8	KQ2W06-03S	17				48	48				67
	1/8	KQ2W08-01S	12		12	23	43.5	47	18.5	20.5	14.2	30
8	1/4	KQ2W08-02S	14	15.2			49.5	51				47
	3/8	KQ2W08-03S	17				51.5	52.5				74
	1/4	KQ2W10-02S	17				56.5	59.5		33.5	23.8	66
10	3/8	KQ2W10-03S	17	18.5	17	26.5	58.5	61	21			76
	1/2	KQ2W10-04S	22				65	66				145
	1/4	KQ2W12-02S	17				57.5	62	22			68
12	3/8	KQ2W12-03S	17	20.9	17	28.5	59.5	63.5		47.7	37.7	78
	1/2	KQ2W12-04S	22				66	68.5				147
10	3/8	KQ2W16-03S	22	26.5	20.9).9 34	69.5	76	25	71	(71)	101
16	1/2	KQ2W16-04S	22				75	80		100	(84)	105
* Poferance dimensions after P thread installation												

<M5> Applicable tubing M5 x 0.8



* Reference dimensions after R thread installation. Note 1) øD: Max. diameter Note 2) (): Values for soft nylon

Male Branch Tee:

<M5>



<M6>







e	: KQ2	T																		
	Applicable tubing O.D. (mm)	Connection thread	Model	(width across flats)	ø D1	øD2	L1	L2	A *	М	Effective (mr		Weight (g)	<n< th=""></n<>						
		M5 x 0.8	KQ2T23-M5	7	8.4	_	15.3	13.2	14.3	12.7	3.2	2.7	3.2							
	3.2	1/8	KQ2T23-01S	10	9.6 10	40	17.5	21.5	22.5				10							
		1/4	KQ2T23-02S	14		J 17.5	25.5	24.5	15.5	3.4	2.9	20								
		M5 x 0.8	KQ2T04-M5	7	9.3		15.6	13.7	15.3	12.7	4.5	4.5	3.5							
		M6 x 1.0	KQ2T04-M6	8	9.3	_	15.6	14.7	15.3	12.7	4.5	4.5	4.4	<u>۷</u> ۷						
	4	1/8	KQ2T04-01S	10	10.4	10	18	22	23	16	6.0	4.1	13	기 :						
		1/4	KQ2T04-02S	14	10.4		10	26	25				19	<u>. </u>						
		M5 x 0.8	KQ2T06-M5	7	11.6		16.1	14.7	17.4	13.5	4.5	4.5	4.4	٠.D						
		M6 x 1.0	KQ2T06-M6	8	11.0		10.1	15.7	17.4	13.5	4.5	4.5	5.3	<r< td=""></r<>						
	6	1/8	KQ2T06-01S	10	12.8	10	20	23	25.5	17	13.9	11.0	12							
		1/4	KQ2T06-02S	14				27	27.5				20							
		3/8	KQ2T06-03S	17				29	29				34	1						
		1/8	KQ2T08-01S	12	15.2		12 23	24.5	28	18.5	26.3	18.2	14	+ 6						
	8	1/4	KQ2T08-02S	14		12		28.5	30				22							
		3/8	KQ2T08-03S	17				30.5	31.5					N A						
		1/8	KQ2T10-01S					27	32				31_	7						
	10	1/4	KQ2T10-02S	17	18.5	5 17	26.5	30	33	21	40.8	29.0	29	<u> +</u>						
	. •	3/8	KQ2T10-03S		10.0		20.5	32	34.5		10.0		39							
		1/2	KQ2T10-04S	22				36	37				66							
		1/4	KQ2T12-02S	17				31	35.5				31							
12	12	3/8	KQ2T12-03S		20.9	0.9 17	.9 17	0.9 17	20.9 17	20.9 17	20.9 17	20.9 17	28.5	33	37	22	57.2	45.2	41	
		1/2	KQ2T12-04S	22				37	39.5				68							
	16	3/8	KQ2T16-03S	22	26.5	20.9	0.9 34	38	44.5	25	71		112							
	16	1/2	KQ2T16-04S					40.5	46		100	()	116							
	Deference dimensions ofter D thread installation																			

* Reference dimensions after R thread installation. Note 1) øD1: Max. diameter Note 2) (): Values for soft nylon.



