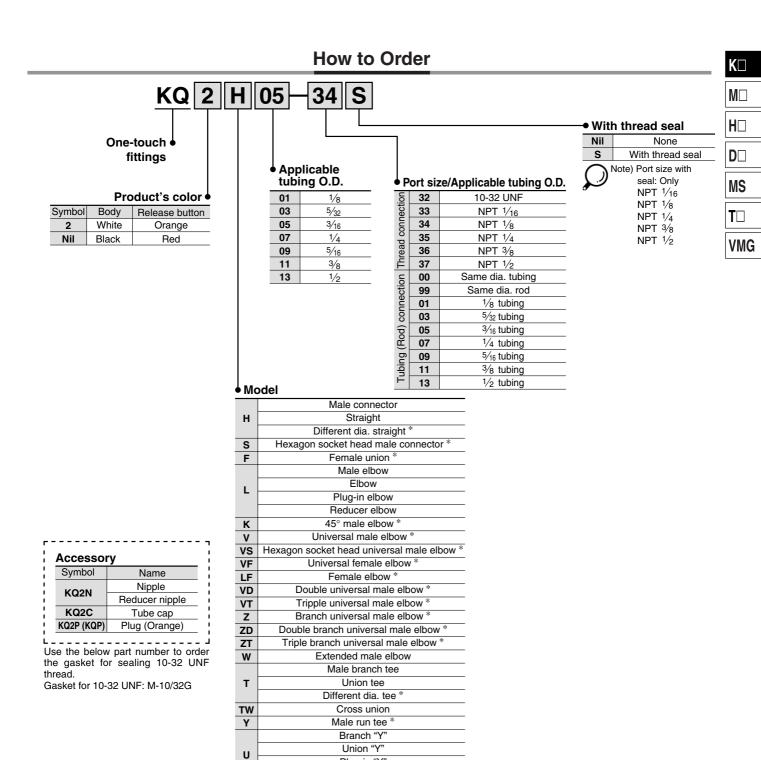
Inch-size One-touch Fittings Series KQ2

Applicable Tubing: Inch Size Connection Thread: UNF, NPT



SMC

Plug-in "Y"
Different dia. union "Y"

Different dia. plug-in "Y"
Plug-in reducer

Bulkhead union

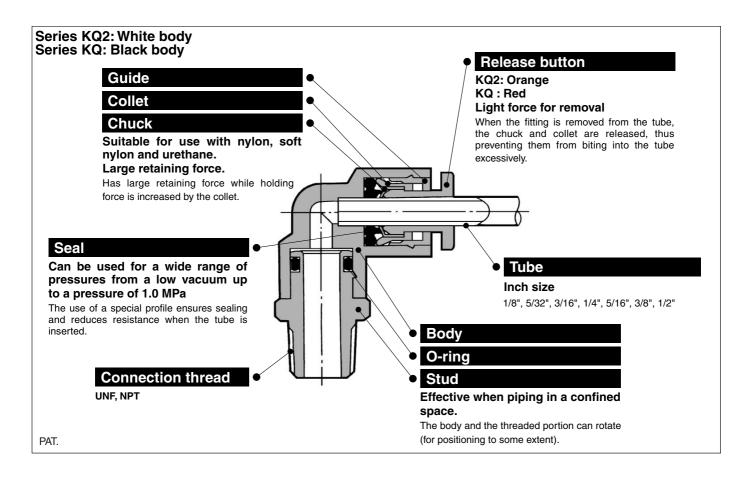
Bulkhead connector
Bulkhead union elbow *

* Available only for KQ2 (White color body).

X

R

Ε





Product's Color

Series	Body	Release button
Series KQ2	White	Orange
Series KQ	Black	Red

Applicable Tubing

Tubing material	Nylon, Soft nylon, Polyurethane
Tubing O.D. (inch)	ø1/8, ø5/32, ø3/16, ø1/4, ø5/16, ø3/8, ø1/2

Specifications

Fluid		Air/Water Note)					
Maximum operating	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)					
	Mounting section	ANSI/ASMEB1.20.1-1983 (NTP thread)					
Thread	Woulding Section	JIS B 0212 2A, Class 2B (UNF thread)					
	Nut section	JIS B 0212 2A, Class 2B (UNF thread)					
Seal (Thread portion)		With thread seal					
Note) Applicable to	r gonoral industrial wate	r Places concult with SMC if using for other kinds					



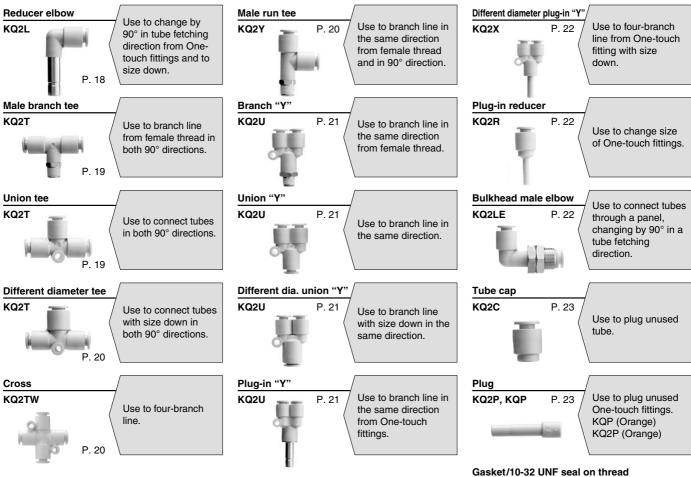
Note) Applicable for general industrial water. Please consult with SMC if using for other kinds of fluid.

Also, the surge pressure must be under the maximum operatin g pressure.

Principal Parts Material

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

Series KQ2



Part no.: M-10/32G

Material: Stainless steel 304, NBR

Inch-size One-touch Fittings Series KQ2

Extended Male Elbow: KQ2W



Applicable tubing O.D. (inch)	Connection thread NPT	Model	H (Width across flats)	Note) Ø D1	øD2	L1	L2	A *	М	Min. port size	Weight (g)
1/8	1/8	KQ2W01-34S	11.11	9.6	10	17.5	37	38	15.5	2.5	19
78	1/4	KQ2W01-35S	14.29	9.0	10	17.5	43	42	15.5	2.5	41
5/32	1/8	KQ2W03-34S	11.11	10.4	10	18	37.5	38.5	16	3	19
9/32	1/4	KQ2W03-35S	14.29	10.4			43.5	42.5			41
3/16	1/8	KQ2W05-34S	11.11	11.4	10	19.5	38	40	16.5	3.5	41_
9/16	1/4	KQ2W05-35S	14.29	11.4			44	43.5			19
	1/8	KQ2W07-34S	11.11	13.2	10	20.5	40.5	43	17	4.6	20
1/4	1/4	KQ2W07-35S	14.29				46.5	47			42
	3/8	KQ2W07-36S	17.46				48.5	49			69
	1/8	KQ2W09-34S	12.7				43.5	47	18.5	6	30
5/16	1/4	KQ2W09-35S	14.29	15.2	12	23.5	49.5	51			47
	3/8	KQ2W09-36S	17.46				51.5	53			74
	1/4	KQ2W11-35S	17.46				56	59			69
3/8	3/8	KQ2W11-36S	17.40	17.9	17	25.5	58	61	21	7	76
	1/2	KQ2W11-37S	22.23				64.5	65.5	1		147
	1/4	KQ2W13-35S	17.46			28	58	63	22	9	72
1/2	3/8	KQ2W13-36S	17.40	21.7	17		60	64.5		0.6	78
	1/2	KQ2W13-37S	22.23				66.5	69		9.6	149
		$\overline{}$	* Ref	erence	dime	nsions	after	NPT 1	thread	instal	lation.

Applicable tubing øĎ2 \sim Connection thread (with seal)

 $M\square$ $H\square$ $\mathsf{D}\square$

MS

 $\mathsf{K}\square$

 $\mathsf{T}\Box$

VMG

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

Male Branch Tee: KQ2T

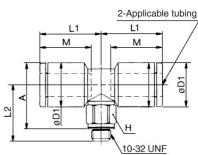




<NPT>

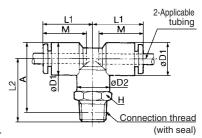


_													
	Applicable tubing O.D. (inch)	Connection thread UNF NPT	Model	H (Width across flats)	Note) ØD1	øD2	L1	L2	A	M	Min. port size	Weight (g)	
		10-32 UNF	KQ2T01-32	7	8.4		15.3	13.2	14.4	12.7	2.3	3.2	
	1/8	1/16	KQ2T01-33S	11.11	11.11 9.6	10	17.5	21.5	22.5 *	15.5	2.5	10	
	78	1/8	KQ2T01-34S					21.0				10	
		1/4	KQ2T01-35S	14.29				25.5	24.5 *			20	
		10-32 UNF	KQ2T03-32	7	9.3	_	15.6	13.7	15.4	12.7	2.3	3.5	
	5/32	1/16	KQ2T03-33S	11.11	10.4	10	18	22	23 *	16	3	10	. 1
	9/32	1/8	KQ2T03-34S									11	
		1/4	KQ2T03-35S					26	25 *			20	
	3/16	1/8	KQ2T05-34S	11.11 14.29	11.4	10	19.5	22.5	24 *	16.5	3.5	12	
		1/4	KQ2T05-35S					26.5	26 *			21	
	1/4	10-32 UNF	KQ2T07-32	7	12	_	16.1	15.1	18.1	13.6	2.3	4.4	
		1/8	KQ2T07-34S	11.11			23.5				11		
	74	1/4	KQ2T07-35S	14.29		10	20.5	27.5	28 *	17	4.6	21	
		3/8	KQ2T07-36S	17.46				29.5	30 *			34	
		1/8	KQ2T09-34S	12.7		15.2 12	12 23	24.5	28 *			15	
	5/16	1/4	KQ2T09-35S	14.29	15.2			28.5		18.5	6	23	
		3/8	KQ2T09-36S	17.46				30.5	31.5 *			35	
		1/8	KQ2T11-34S						31.5 *		6	31	
	3/8	1/4	KQ2T11-35S	17.46	17.9	17	25.5	29.5	32.5 *	21		29	
	98	3/8	KQ2T11-36S		17.5	"	20.0	31.5	34.5 *	2	7	38	
		1/2	KQ2T11-37S	22.23				35.5	36.5 *			64	
		1/4	KQ2T13-35S	17.46				31.5	36.5 *		9	34	
	1/2	3/8	KQ2T13-36S	17.70	21.7	17	28	33.5	38.5 *	22	9.6	43	
		1/2	KQ2T13-37S	22.23				37.5	40 *		3.0	69	



<NPT>

<10-32 UNF>

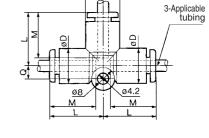


* Reference dimensions after NPT thread installation. .) Note) øD1:Max. diameter

Union Tee: KQ2T



Applicable tubing O.D. (inch)	Model	øD Note)	L	Q	M	Min. port size	Weight (g)
1/8	KQ2T01-00	9.6	17.5	4.3	15.5	2.5	5
5/32	KQ2T03-00	10.4	18	4.5	16	3	4
3/16	KQ2T05-00	11.4	19.5	4.8	16.5	3.5	7
1/4	KQ2T07-00	13.2	20.5	5.3	17	4.6	8
5/ ₁₆	KQ2T09-00	15.2	23	6	18.5	6	11
3/8	KQ2T11-00	17.9	26	6.6	21	7	18
1/2	KQ2T13-00	21.7	29	7.8	22	9.6	26
				No	ote) øD	: Max. c	liameter



øD

