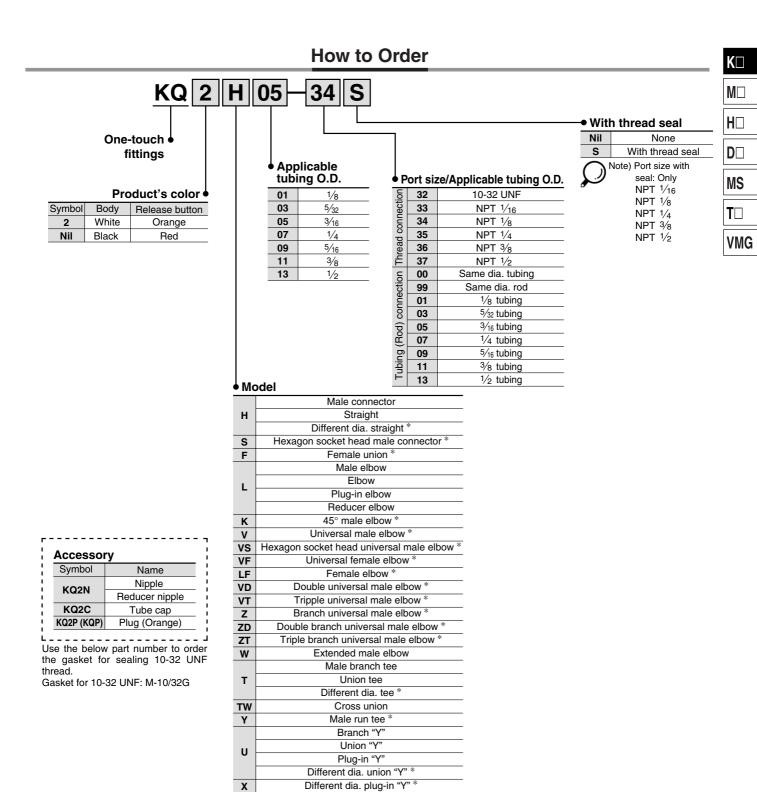
Inch-size One-touch Fittings Series KQ2

Applicable Tubing: Inch Size Connection Thread: UNF, NPT



Plug-in reducer

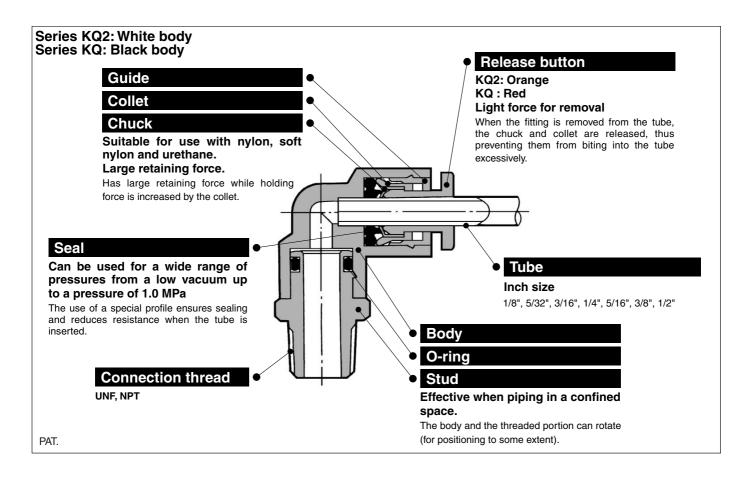
Bulkhead union

Bulkhead connector
Bulkhead union elbow *

* Available only for KQ2 (White color body).

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 p	ressure	-100 kPa				
Proof pressure		3.0 MPa				
Ambient and fluid te	mperature	-5 to 60°C, Water: 0 to 40°C (No freezing)				
	Mounting section	ANSI/ASMEB1.20.1-1983 (NTP thread)				
Thread		JIS B 0212 2A, Class 2B (UNF thread)				
	Nut section	JIS B 0212 2A, Class 2B (UNF thread)				
Seal (Thread portion	1)	With thread seal				
Note) Applicable for	gonoral industrial water	r Places concult with SMC if using for other kinds				

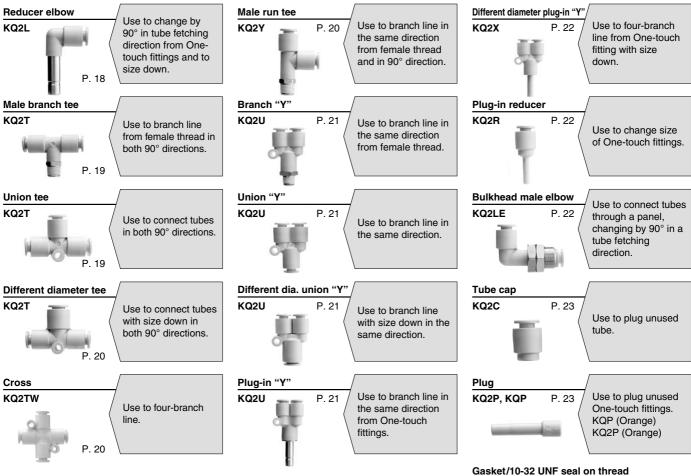
Note) Applicable for general industrial water. Please consult with SMC if using for other kinds of fluid.

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	∠.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		10	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		19.5	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		12	23.5	43.5	47	18.5	6	30
5/16	1/4	KQ2W09-35S	14.29	15.2			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			147
	1/4	KQ2W13-35S	17.46				58	63	22	9	72
1/2	3/8	KQ2W13-36S	17.40	21.7	17	28	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 øD2 \sim Connection thread (with seal)

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

 $\mathsf{K}\square$

MS

 $\mathsf{T}\Box$

VMG

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

Male Branch Tee: KQ2T

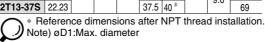


10-3	2 UNF>	
F		-

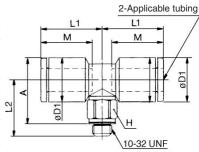


<NPT>

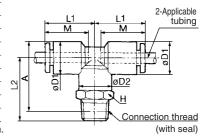
	Applicable tubing O.D. (inch)	Connection thread UNF NPT	Model	H (Width across flats)	Note) ØD1	øD2	L1	L2	A	M	Min. port size	Weight (g)	
		10-32 UNF	KQ2T01-32	7	8.4	_	15.3	13.2	14.4	12.7	2.3	3.2	
	1/8	1/16	KQ2T01-33S	11.11	9.6			21.5	22.5 *			10	
		1/8	KQ2T01-34S	44.00		10	17.5	05.5	045*	15.5	2.5		
		1/4	KQ2T01-35S	14.29					24.5 *			20	
		10-32 UNF		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	10	18	22 23 *	23 *	16	3.5	10	. }
	, 02	1/8	KQ2T03-34S						*			11	
		1/4	KQ2T03-35S	14.29				26	25 *			20	
	3/16	1/8	KQ2T05-34S	14.29				22.5				12	
		1/4	KQ2T05-35S					26.5	_			21	
		10-32 UNF		7	12	_	16.1	15.1	18.1	13.6	2.3	4.4	
	1/4	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					30 *			34	
		1/8	KQ2T09-34S	12.7				24.5	28 *			15	
	5/ ₁₆	1/4	KQ2T09-35S	14.29	15.2	12	23	28.5	30 *	18.5	6	23	
		3/8	KQ2T09-36S	17.46				30.5	31.5 *			35	
		1/8	KQ2T11-34S					26.5	31.5 *		6	31	
	2/	1/4	KQ2T11-35S	17.46	17.9	17	25.5	29.5	32.5 *	21		29	
	3/8	3/8	KQ2T11-36S		17.9	17	25.5	31.5	34.5 *	21	7	38	
		1/2	KQ2T11-37S	22.23					36.5 *			64	
		1/4	KQ2T13-35S	17.40				31.5	36.5 *		9	34	
	1/2	3/8	KQ2T13-36S	17.46	21.7	17	7 28	33.5	38.5 *	22	0.0	43	
		1/2	KQ2T13-37S	22 23				37.5		1	9.6	69	



<10-32 UNF>



<NPT>

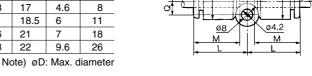


øD

Union Tee: KQ2T



Applicable tubing O.D. (inch)	Model	øD Note)	L	Q	М	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



3-Applicable tubing