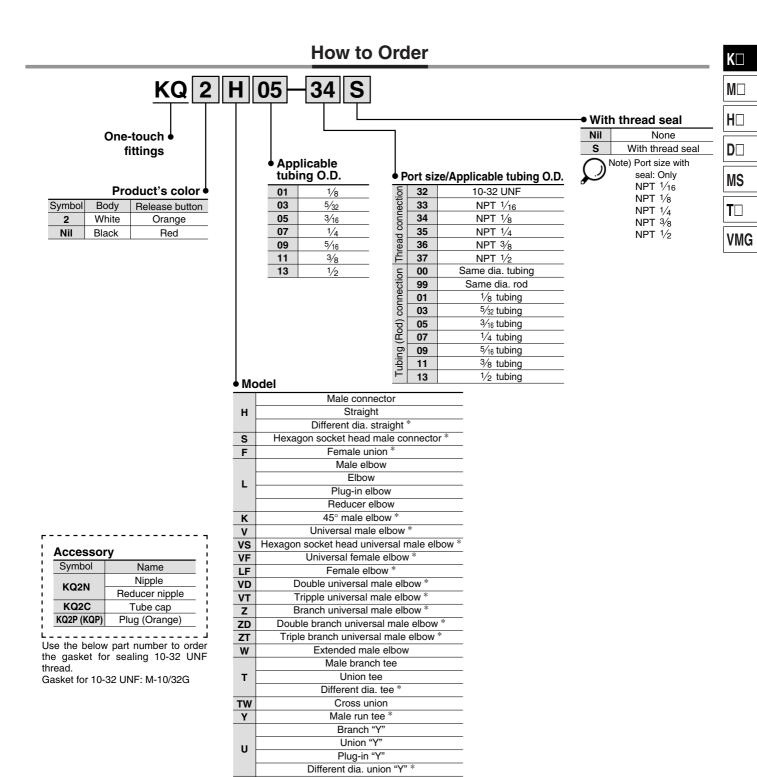
Inch-size One-touch Fittings Series KQ2

Applicable Tubing: Inch Size Connection Thread: UNF, NPT



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

Bulkhead union

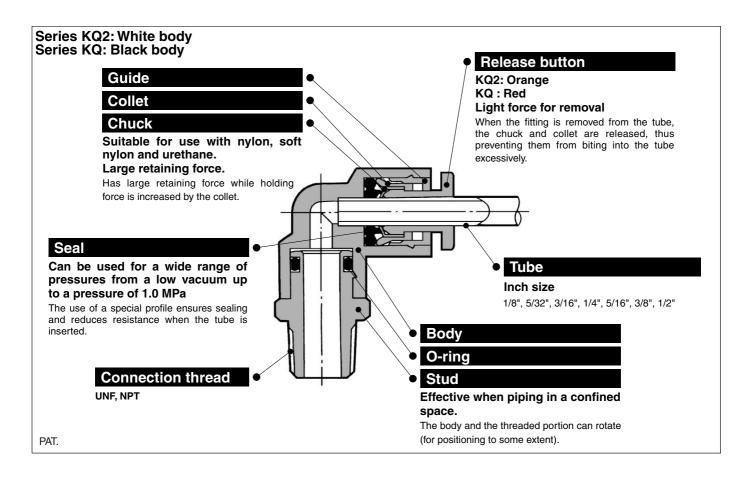
Bulkhead connector
Bulkhead union elbow *

* 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 p	ressure	-100 kPa
Proof pressure		3.0 MPa
Ambient and fluid ter	mperature	-5 to 60°C, Water: 0 to 40°C (No freezing)
	Mounting coation	ANSI/ASMEB1.20.1-1983 (NTP thread)
Thread	Mounting 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 for	general industrial wate	r Please consult with SMC if using for other kinds

Note)

te) 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

Inch-size One-touch Fittings Series KQ2

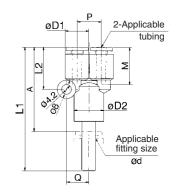


Series KQ2

Different Diameter Plug-in "Y": KQ2X



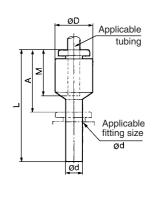
Applicable tubing O.D. (inch)	Applicable fitting size ød	Model	Note) Ø D	L1	L2	A	P	Q	М	Min. port size	Weight (g)
1/8	5/32	KQ2X01-03	10.4	51.5	18	35.5	10.4	9.7	15.5	2.5	5
5/32	3/16	KQ2X03-05	11.4	56	20.5	39.5	11.4	10.6	16	3.5	10
3/16	1/4	KQ2X05-07	13.2	56.5	21.5	39.5	13.2	12	16.5	4.6	9
1/4	5/16	KQ2X07-09	15.2	64.5	24.5	46	15.2	13.7	17	6	21
Note) øD: Max. diameter											

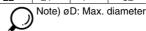


Plug-in Reducer: KQ2R



Applicable tubing O.D. (inch)	Applicable fitting size ød (inch)	Model	Note) Ø D	L	A	М	Min. port size	Weight (g)
	5/32	KQ2R01-03	9.6	34.5	18.5			2
1/8	3/16	KQ2R01-05	9.2	34	17.5	15.5	2.5	7
	1/4	KQ2R01-07	9.2	34	17			9
5/32	3/16	KQ2R03-05	10	34	17.5	16	3	8
9/32	1/4	KQ2R03-07	10.4	34.5	17.5	10		9
3/16	1/4	KQ2R05-07	11.4	34.5	18.5	10.5	0.5	4
9/16	5/16	KQ2R05-09	10.7	36.5	18	16.5	3.5	14
1/4	5/16	KQ2R07-09	13.2	37	18.5	17	4.0	17
74	3/8	KQ2R07-11	13.2	40	19.5	17	4.6	19
5/16	3/8	KQ2R09-11	14	40	10	10.5		24
9/16	1/2	KQ2R09-13	14	41	19	18.5	6	32
3/8	1/2	KQ2R11-13	17.9	44	22	21	7	32

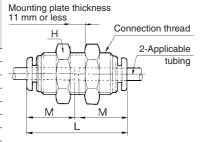




Bulkhead Union: KQ2E



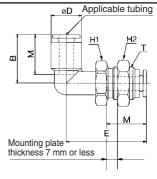
Applicable tubing	Model	Connection thread	H (Width across	L	Mounting hole	М	Min. port	Weight	
O.D. (inch)		UNF	flats)		Holo		size	(g)	
1/8	KQ2E01-00	1/2-20	17.46	32.5	13.5	15.5	2.5	26	
5/32	KQ2E03-00	1/2-20	17.46	32.5	13.5	16	3	26	
3/16	KQ2E05-00	9/16-18	17.46	34	15	16.5	3.5	33	
1/4	KQ2E07-00	9/16-18	17.46	34.5	15	17	4.6	33	
5/16	KQ2E09-00	3/4-16	22.23	38	20	18.5	6	52	
3/8	KQ2E11-00	7/8-14	25.4	42.5	23	21	7	70	
1/2	KQ2E13-00	1-12	28.6	44.5	26	22	9.6	97	



Bulkhead Male Elbow: KQ2LE



	Applicable tubing O.D. (inch)	Model	т		H2 (Width across flats)	- D	E	Note) ØD	Mounting hole	М	Min. port size	Weight (g)	
	1/8	KQ2LE01-00	1/2-20 UNF	17.46	17.46	17.5	31	9.6	13.5	15.5	2.5	27	
ŀ	5/32	KQ2LE03-00	1/2-20 UNF	17.46	17.46	18	31	10.4	13.5	16	3	26	
	3/16	KQ2LE05-00	9/16-18 UNF	17.46	17.46	19.5	34.5	11.4	15	16.5	3.5	32	
	1/4	KQ2LE07-00	9/16-18 UNF	17.46	17.46	20.5	35	13.2	15	17	4.6	29	
	5/16	KQ2LE09-00	3/4-16 UNF	22.23	22.23	23.5	38.5	15.2	20	18.5	6	53	
	3/8	KQ2LE11-00	7/8-14 UNF	25.4	25.4	25.5	43	17.9	23	21	7	85	
	1/2	KQ2LE13-00	1-12 UNF	28.6	28.6	28	46	21.7	26	22	9.6	105	
									Nota)	αD. I	lov die	motor	

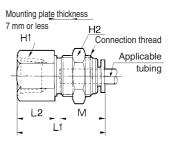


Inch-size One-touch Fittings Series KQ2

Bulkhead Connector: KQ2E



Applicable tubing O.D. (inch)	Connection thread NPT	Model	Connection thread UNF	(Width	H2 (Width across flats)	L1	L2	М	Min. port size	Mounting hole	Weight (g)
1/8	1/4	KQ2E01-35	1/2 -20	17.46	17.46	31	15	15.5	2.5	13.5	36
5/32	1/4	KQ2E03-35	1/2 -20	17.46	17.46	31	15	16	3	13.5	36
3/16	1/8	KQ2E05-34	9/16-18	17.46	17.46	28	10	16.5	3.5	15	34
1/4	1/4	KQ2E07-35	9/16-18	17.46	17.46	32.5	14.5	17	4.6	15	34
⁵ /16	3/8	KQ2E09-36	3/4 -16	22.23	22.23	35	15	18.5	6	20	52
3/8	3/8	KQ2E11-36	7/8 -14	25.4	25.4	37	14.5	21	7	23	96
1/2	3/8	3/2 KO2E12-26	1-12	28.6	37	14	22	0.6	00	125	
1/2	1/2	KQ2E13-37	1-12	28.6 28	∠ö.ö	41.5	18	22	9.6	26	128



 $\mathsf{K}\square$

M□

MU

H□

D□

MS

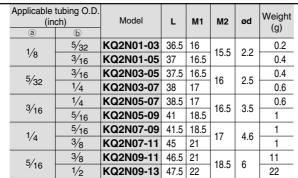
T

VMG

Nipple: KQ2N

Applicable fitting øD	Model	L	М	ød	Weight (g)
1/8	KQ2N01-99	36	15.5	2.2	0.2
3/16	KQ2N05-99	38	16.5	3.5	0.4
1/4	KQ2N07-99	39	17	4.6	1
3/8	KQ2N11-99	49	21	7.5	10
1/2	KQ2N13-99	51	22	10	15

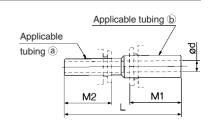
Reducer Nipple: KQ2N



KQ2N11-13 50

21

24



2-Applicable fitting

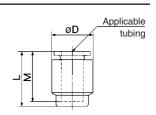
Tube Cap: KQ2C

3/8

1/2



Applicable tubing O.D. (inch)	Model	øD1	L	М	Weight (g)
5/32	KQ2C03-00	10.4	17	16	1
1/4	KQ2C07-00	13.2	18	17	2
⁵ /16	KQ2C09-00	15.2	20.5	18.5	3
3/8	KQ2C11-00	17.9	22.5	21	6



Plug: KQ2P, KQP



Applicable fitting size ød (inch)	Мос	del Note)	øD	L	A	Weight (g)
1/8	KQ2P-01	KQP-01	5	31.5	16	1
5/32	KQ2P-03	KQP-03	6	32	16	1
3/16	KQ2P-05	KQP-05	6.8	34	17.5	1
1/4	KQ2P-07	KQP-07	8.5	35	18	1
5/16	KQ2P-09	KQP-09	10	39	20.5	2
3/8	KQ2P-11	KQP-11	11.5	43	22	3.5
1/2	KQ2P-13	KQP-13	15	46	24	5

