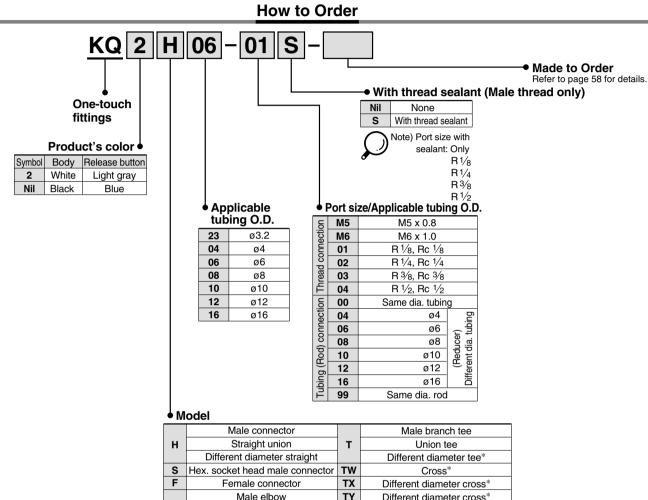
One-touch Fittings Series KQ2

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



Accessory

Symbol Name Nipple RQ2N Reducer nipple Adaptor KQ2C Tube cap KQ2C Color cap KQ2P Plug (White)	7000	3301 y
KQ2N Reducer nipple Adaptor KQ2C Tube cap KQ2C Color cap KQ2P Plug (White)	Symbol	Name
Adaptor KQ2C Tube cap KQ2C Color cap KQ2P Plug (White)		Nipple
KQ2C Tube cap KQ2C Color cap KQ2P Plug (White)	KQ2N	Reducer nipple
KQ2C Color cap KQ2P Plug (White)		Adaptor
KQ2P Plug (White)	KQ2C	Tube cap
3 ()	KQ2C	Color cap
	KQ2P	Plug (White)
KQP Plug (Blue)	KQP	Plug (Blue)

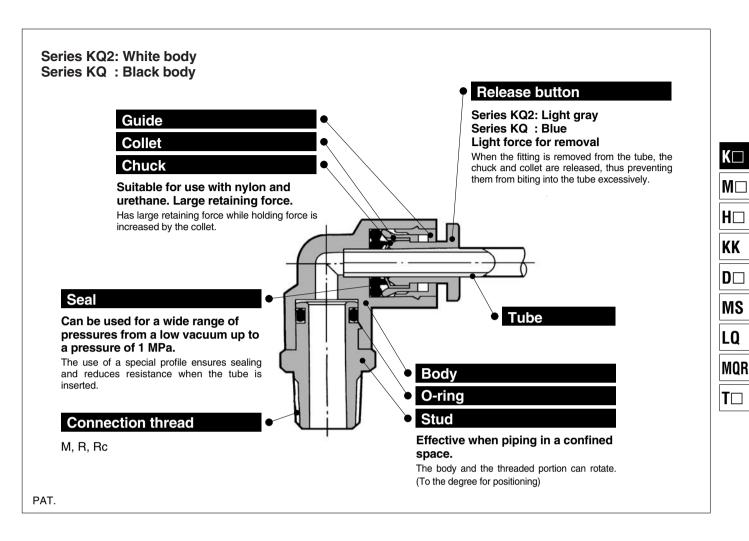
Use the below part number to order the gasket for M5 and M6 threads. Gasket for M5 thread: M-5G2 Gasket for M6 thread: M-6G

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	ouci		
	Male connector		Male branch tee
Н	Straight union	Т	Union tee
	Different diameter straight		Different diameter tee*
S	Hex. socket head male connector	TW	Cross*
F	Female connector	TX	Different diameter cross*
	Male elbow	TY	Different diameter cross*
L	Union elbow	Υ	Male run tee
_	Plug-in elbow	D	Male delta union
	Reducer elbow		Delta union
LU	Male branch connector		Branch "Y"
LU	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
VF	Universal female elbow	OD	Different dia. double union "Y"
LF	Female elbow	XD	Double plug-in "Y"
VD	Double universal male elbow	Х	Different diameter plug-in "Y"
VT	Triple universal male elbow	R	Plug-in reducer
Z	Branch universal male elbow	E	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		
w	Extended plug-in elbow		

^{*} Available only for white color body.

Extended male elbow



One-touch IN/OUT connection. Possible to use in vacuum to –100 kPa





Applicable Tubing

Tubing material	FEP, PFA, Nylon, Soft nylon (1), Polyurethane
Tubing O.D.	ø3.2, ø4, ø6, ø8, ø10, ø12, ø16

Note 1) Soft nylon tubing is not compatible with water.

Product's Color

Series	Body	Release button
Series KQ2	White	Light gray
Series KQ	Black	Blue

Specifications

p						
Fluid		Air/Water (2)				
Operating press	ure range (3)	-100 kPa to 1 MPa				
Proof pressure		3 MPa				
Ambient and flu	id temperature	-5 to 60°C, Water: 0 to 40°C (No freezing)				
	Mounting section	JIS B0203 (Taper thread for piping)				
Thread	Mounting Section	JIS B0205 (Metric coarse thread)				
	Nut section	JIS B0205 (Metric fine thread)				
Seal on the threa	ads	With sealant or none				

Note 2) The surge pressure must be under the maximum operating pressure.

Note 3) Do not use the fittings with a leak tester or for vacuum retention because they are not guaranteed for zero leakage.

Principal Parts Material

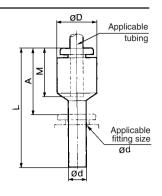
Body	C3604, PBT, PP
Stud	C3604 (Thread portion)
Chuck	Stainless steel 304
Guide	Stainless steel 304, C3604, PBT
Collet, Release button	POM
Seal, O-ring	NBR
Gasket	Stainless steel 304, NBR

Series KQ2

Plug-in Reducer: KQ2R



Applicable tubing O.D.	Applicable fitting size	Model	ø D	L	Α	М	(m	e area ⁽²⁾ m²)	Mass	
(mm)	ød						Nylon	Urethane	(g)	
3.2	4	KQ2R23-04	9.6	33.5	18.5	15.5	3.4	2.9	2	
	6	KQ2R04-06	10.4	34.5	17.5				1.8	
4	8	KQ2R04-08	10.4	36.5	18	16	5.6	4	2.0	
	10	KQ2R04-10	12.8	39.5	18.5				3.3	
	4	KQ2R06-04	12.8	37	21	17	4	4	2.5	
6	8	KQ2R06-08	400	37	18.5		13.1	10.4	2.5	
0	10	KQ2R06-10	12.8	39.5	18.5				3	
	12	KQ2R06-12	15.2	42	20				4.7	
8	10	KQ2R08-10	15.2	41	20	18.5	26.1	40.0	4.0	
0	12	KQ2R08-12	15.2	42	20	10.5	20.1	18.0	4.6	
10	12	KQ2R10-12	18.5	44.5	23	21	41.5	32.8	33	
10	16	KQ2R10-16	20.9	50.5	25.5	21	41.5	(29.5)	42	
12	16	KQ2R12-16	20.9	50.5	25.5	22	58.3	(46.1)	37	

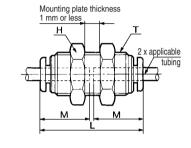


Note 1) øD: Max. diameter Note 2) (): Values for soft nylon.

Bulkhead Union: KQ2E



Applicable tubing O.D.	Model T H (width across L		L	Mounting hole	М		area ^{Note)} m²)	Mass		
(mm)		(IVI)	flats)		HUIE		Nylon	Urethane	(9)	(g)
3.2	KQ2E23-00	M12 x 1	14	31.5	13	15.5	3.4	2.9	26	
4	KQ2E04-00	M12 x 1	14	32.5	13	16	5.6	4	26	
6	KQ2E06-00	M14 x 1	17	34.5	15	17	13.1	10.4	33	
8	KQ2E08-00	M16 x 1	19	38	17	18.5	26.1	18.0	52	
10	KQ2E10-00	M20 x 1	24	42.5	21	21	41.5	29.5	70	
12	KQ2E12-00	M22 x 1	27	44	23	22	58.3	46.1	90	
16	KQ2E16-00	M28 x 1.5	32	51	29	25	113	(96)	115	

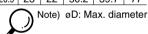


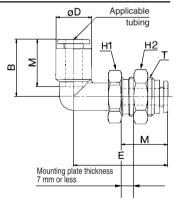
Note) (): Values for soft nylon.

Bulkhead Male Elbow: KQ2LE



Applicable tubing O.D.	Model	T (M)	H1 (width across	H2 (width across	В	E	Note) Ø D	Mounting hole	М	(m		Mass	
(mm)		()	flats)	flats)						Nylon	Urethane	(9)	
4	KQ2LE04-00	M12 x 1	14	14	18.5	31	10.4	13	16	4.2	4.2	18	
6	KQ2LE06-00	M14 x 1	17	17	20.5	34	12.8	15	17	11.4	9.0	25	
8	KQ2LE08-00	M16 x 1	17	19	23.5	38.5	15.2	17	18.5	21.6	14.9	33	
10	KQ2LE10-00	M20 x 1	22	24	26.5	43.5	18.5	21	21	35.2	25.0	63	
12	KQ2LE12-00	M22 x 1	24	27	28.5	45.5	20.9	23	22	50.2	39.7	77	





Bulkhead Connector: KQ2E



Applicable tubing O.D.	Connection	Model	Т	(width		L1	L2	Mounting	м	Effective (m	area ^{Note)} m ²)	Mass
(mm)	Rc		_	across flats)	across flats)			hole		Nylon	Urethane	(g)
3.2	1/4	KQ2E23-02	M12 x 1	17	14	31.5	15	13	15.5	3.4	2.9	13
4	1/8	KQ2E04-01	M12 v 1	14	14	27.5	11	13	16	5.6	4	16
7	1/4	KQ2E04-02	IVI I Z X I	17	14	31	15	13	10	5.0	4	35
	1/8	KQ2E06-01		17		28	11				10.4	30
6	1/4	KQ2E06-02	M14 x 1	M14 x 1 📅	17 19	31.5	15	15	17	13.1		30
	3/8	KQ2E06-03		19		33.5	17					34
	1/8	KQ2E08-01	M16 x 1	17	17 19	27.5	7.5 13		18.5	26.1	18.0	28
8	1/4	KQ2E08-02		17		33		17				33
	3/8	KQ2E08-03		19		35	15					34
10	1/4	KQ2E10-02	M20 v 1	22	24	34.5	12.5	21	21	41.5	29.5	53
10	3/8	KQ2E10-03	IVIZUXI	22	24	36.5	14	21	21	41.5	29.5	67
10	3/8	KQ2E12-03	M22 x 1	24	27	37	14	23	22	58.3	46.1	92
12	1/2	KQ2E12-04	IVIZZ X I	24	۱	41	18	23	22	58.3	40.1	59
16	3/8	KQ2E16-03	M28 x 1.5	30	32	40	14	29	25	96	(96)	127
10	1/2	KQ2E16-04	IVIZO X 1.3	30		44	18			113		132

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