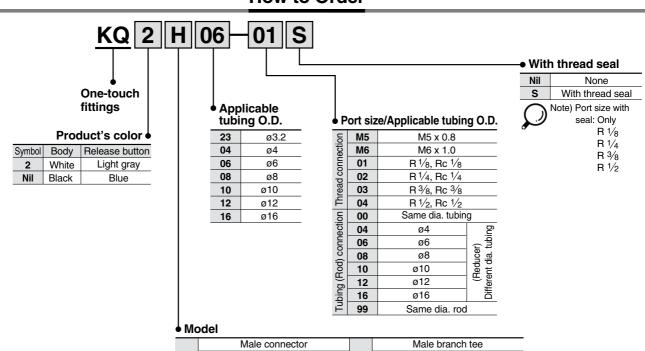


One-touch Fittings Series KQ2

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





Symbol Name Nipple RQ2N Reducer nipple Adaptor KQ2C Tube cap KQ2C Color cap KQ2P Plug (White)											
Nipple KQ2N Reducer nipple Adaptor KQ2C Tube cap KQ2C Color cap KQ2P Plug (White)	Accessory										
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									
	KQ2C	Color cap									
MOD Diva (Diva)	KQ2P	Plug (White)									
KQP Flug (blue)	KQP	Plug (Blue)									

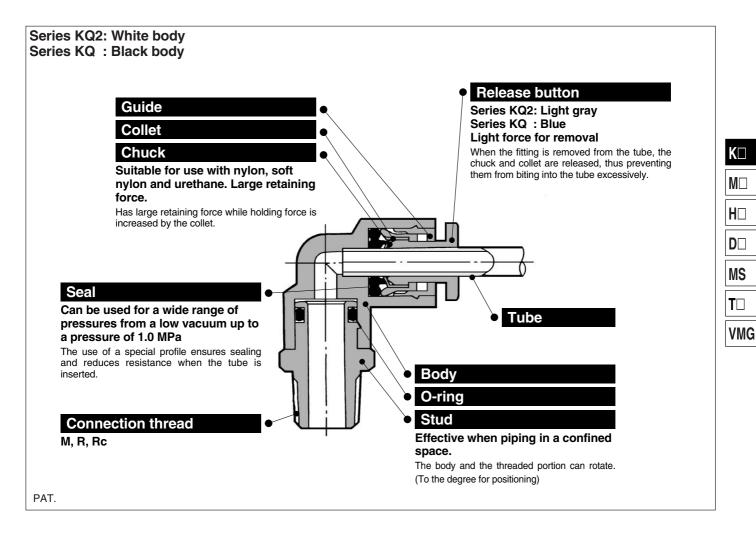
Use the below part number to order the gasket for M5 and M6 threads. Gasket for M5 thread: M-5G2 Gasket for M6 thread: M-6G

	Male connector		Male branch tee
н	Straight union	т	Union tee
••	Different diameter straight		Different diameter tee * Note)
s	Hex. socket head male connector	nector TW TX Diff TY Diff Y D TY Diff Y D TY Diff TY D	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	ט	Delta union
LU	Male branch connector		Branch
LU	Branch union elbow	1	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	ш	Delta branch
۷F	Universal female elbow	שט	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	_	Bulkhead union
ZF	Branch universal female elbow	_	Bulkhead connector
ZD	Double branch universal male elbow	LE	Bulkhead male elbow
ΖT	Triple branch universal male elbow		·
w	Extended plug-in elbow		
٧V	Extended male elbow		

 * 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

Fluid		Air/Water Note)					
Maximum operating p	oressure	1.0 MPa					
Operating vacuum pr	essure	-100 kPa					
Proof pressure		3.0 MPa					
Ambient and fluid ten	nperature	-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)		With seal or none					
Note) Applicable for ge	neral industrial water Ple	ase consult with SMC if using for other kinds of fluid					

Also, the surge pressure must be under the maximum operating pressure.

Principal Parts Material

C3604BD, PBT, PP
C3604BD (Thread portion)
Stainless steel 304
Stainless steel 304, C3604BD, POM
POM
NBR
Stainless steel 304, NBR

One-touch Fittings Series KQ2

 $\mathsf{K}\square$

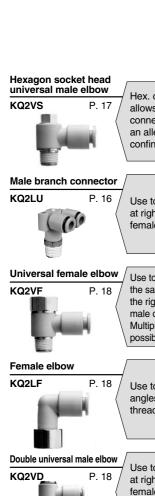
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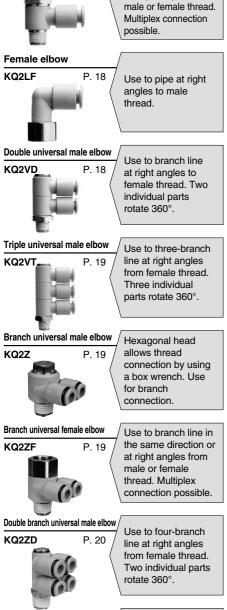
 $H\square$

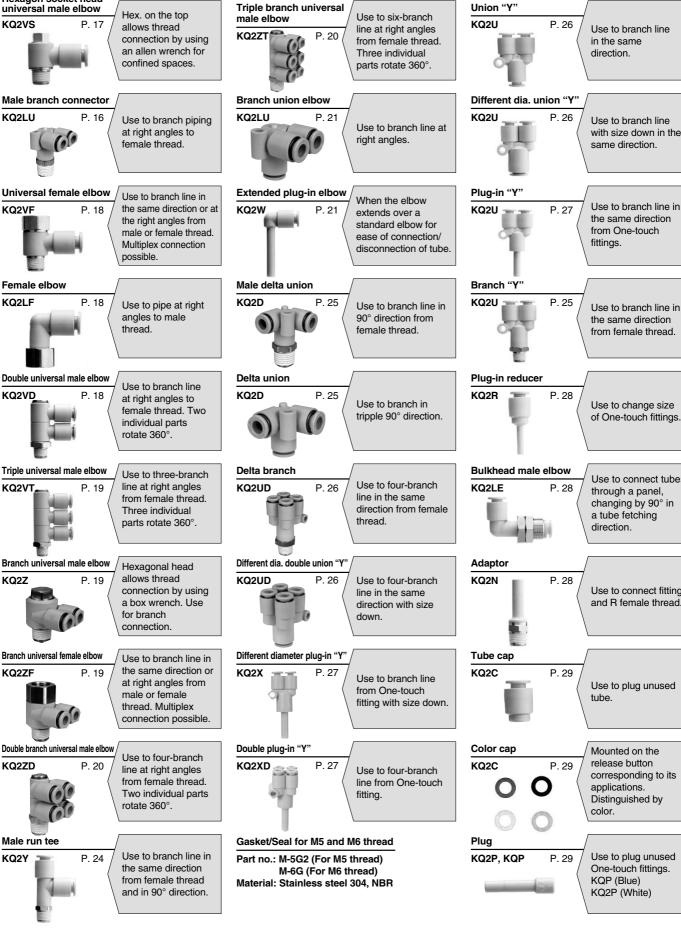
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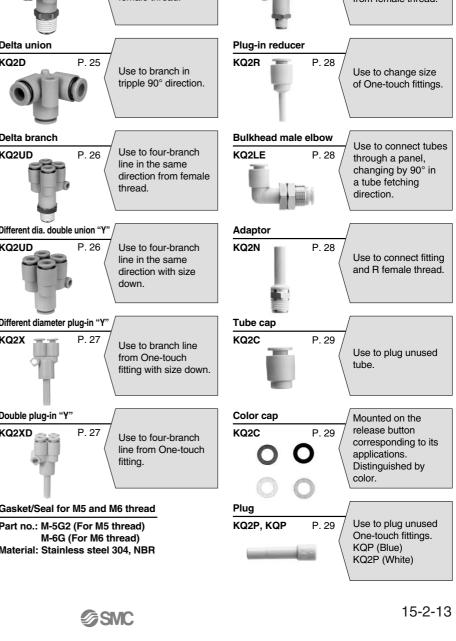
MS

VMG









One-touch Fittings Series KQ2

Triple Universal Male Elbow: KQ2VT



Applicable tubing O.D. (mm)	Connection thread R	Model	(width across flats)	Note) Ø D1	øD2	L1	L2	L3	A *	М	P	Weight (g)
	1/8	KQ2VT04-01S	14				18.5	54.5	50.5			29
4	1/4	KQ2VT04-02S	14	10.4	13.4	22	21.5	57.5	51.5	16	13.4	34
	3/8	KQ2VT04-03S	17				23.5	59.5	53.5			48
	1/8	KQ2VT06-01S	14				18.5	54.5	50.5			31
6	1/4	KQ2VT06-02S	14	12.8	13.4	24.5	21.5	57.5	51.5	17	13.4	37
	3/8	KQ2VT06-03S	17				23.5	59.5	53.5			50
8	1/8	KQ2VT08-01S	19	15.2	17.6	28.5	21	64	60	18.5	15.9	71
	1/4	KQ2VT08-02S					24	67	61			66
Ü	3/8	KQ2VT08-03S					25	68	61.5			75
	1/2	KQ2VT08-04S					28.5	71.5	63.5			96
	1/4	KQ2VT10-02S					26.5	77.5	71.5			94
10	3/8	KQ2VT10-03S	21	18.5	20.6	31.5	27.5	78.5	72	21	19.2	94
	1/2	KQ2VT10-04S					30.5	81.5	73.5			111
	1/4	KQ2VT12-02S					28.5	86	80			153
12	3/8	KQ2VT12-03S	26	20.9	25.2	34	29.5	29.5 87	80.5	22	21.6	142
	1/2	KQ2VT12-04S					32.5	90	82			154
* Reference dimensions after R thread installation.												

Note) øD1: Max. diameter

3-applicable tubing

M
Connection thread (With seal)

Κ□

M□

Н□

D□

MS

To

VMG

Branch Universal Male Elbow: KQ2Z

<M5>

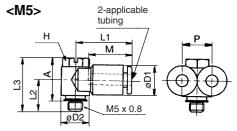


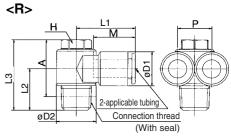
<R>



Applicable tubing 0.		Model	H (width across flats)	Note) Ø D1	øD2	L1	L2	L3	A *	М	P		m-)	Weight (g)
4	M5 x 0.8	KQ2Z04-M5	8	10.4	9.8	19.5	11	18.5	15	10	10.4	3.4	3.4	8
4	1/8	KQ2Z04-01S	٥	10.4	13.4	21	14.5	26.5	22.5	16 10.4	10.4	4.7	4.7	16
	1/8	KQ2Z06-01S	8		13.4	22	14.5	26.5	22.5					17
6	1/4	KQ2Z06-02S	14	12.8	20.6	25.5	19.5	35.5	29.5	17	12.8	10.8	8.6	39
	3/8	KQ2Z06-03S	14				20.5	36.5	30					47
	1/8	KQ2Z08-01S	12	15.2	17.6	26	15.5	28.5	24.5	18.5 15.2	15.2	20.5	14.2	27
8	1/4	KQ2Z08-02S					18.5	31.5	25.5					33
	3/8	KQ2Z08-03S			20.6	27	20.5	36.5	30				49	
10	1/4	KQ2Z10-02S	14	18.5	20.6	29	19.5	35.5	29.5	0.1	18.5	31.8	22.6	46
10	3/8	KQ2Z10-03S	14		5 20.6		20.5	36.5	30	21				54
12	3/8	KQ2Z12-03S	17	20.0	25.2	22.5	22	39	32.5	00	00.0	44.0	٥.	71
	1/2	KQ2Z12-04S	' /	20.9	25.2	2 32.5	25	42	34	22 2	20.9	44.6	35.3	88
		·		_	,					. –	—			—

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





Branch Universal Female Elbow: KQ2ZF

<M5>







tubing O.D.	thread R Rc	Model	(width across flats)	øD1	øD2	L1	L2	L3	A *	М	P	Weight (g)
1	M5 x 0.8	KQ2ZF04-M5	8	10.4	9.8	19.5	11	20	16.5	16	10.4	8
4	1/8	KQ2ZF04-01S	14	10.4	13.4	21	15.5	29.5	25.5	16	10.4	21
6	1/8	KQ2ZF06-01S	14	100	13.4	22	15.5	29.5	25.5	47	40.0	21 47
0	1/4	KQ2ZF06-02S	19	12.8	20.6	25.5	22	41	35	17	12.8	47
8	1/8	KQ2ZF08-01S	17	15.0	17.6	25.5	17	31	27	40 F	15.0	32
0	1/4	KQ2ZF08-02S	19	15.2	20.6	27	22	41	35	18.5	15.2	49
10	1/4	KQ2ZF10-02S	19	10.5	20.6	29	22	41	35	04	40 F	54
10	3/8	KQ2ZF10-03S	22	18.5	25.2	31.5	24.5	45.5	39	21	18.5	74
12	3/8	KQ2ZF12-03S	22	00.0	25.2	32.5	24.5	45.5	39	00	00.0	77
12	1/2	KQ2ZF12-04S	24	20.9	27	33	25	50	42	22	20.9	101

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

