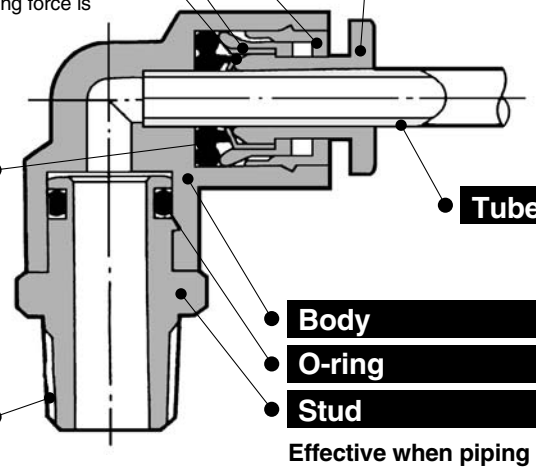
Series KQ2: White body
Series KQ : Black body



Release button

Series KQ2: Light gray
Series KQ : Blue
Light force for removal

When the fitting is removed from the tube, the chuck and collet are released, thus preventing them from biting into the tube excessively.

Guide

Collet

Chuck

Suitable for use with nylon and urethane. Large retaining force.

Has large retaining force while holding force is increased by the collet.

Seal

Can be used for a wide range of pressures from a low vacuum up to a pressure of 1 MPa.

The use of a special profile ensures sealing and reduces resistance when the tube is inserted.

Connection thread

M, R, Rc

Tube

Body

O-ring

Stud

Effective when piping in a confined space.

The body and the threaded portion can rotate. (To the degree for positioning)

PAT.

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

Made to Order

Made to Order
(Refer to page 58 for details.)

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

Fluid		Air/Water (2)
Operating pressure range (3)		–100 kPa to 1 MPa
Proof pressure		3 MPa
Ambient and fluid temperature		–5 to 60°C, Water: 0 to 40°C (No freezing)
Thread	**Mounting section**	JIS B0203 (Taper thread for piping) JIS B0205 (Metric coarse thread)
	Nut section	JIS B0205 (Metric fine thread)
Seal on the threads		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

Universal Male Elbow: KQ2V

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Applicable tubing O.D. (mm)	Connection thread R M	Model	H (width across flats)	(1) øD1	øD2	L1	L2	L3	A*	M	Effective area (2) (mm²) Nylon	Urethane	Mass (g)
4	M5 x 0.8	KQ2V04-M5	8	10.4	9.8	20.5	11	18.5	15	16	2.9	2.9	6
	1/8	KQ2V04-01S			13.4	22	13.6	25.6	22.5				14
6	M5 x 0.8	KQ2V06-M5	8	12.8	9.8	23.5	12	18.5	15	17	3.8	3.8	7
	1/8	KQ2V06-01S			13.4	24	13.6	25.6	22.5		7.5	5.9	15
	1/4	KQ2V06-02S	10		15.4	23.5	18	30.5	25				26
8	1/8	KQ2V08-01S	12	15.2	17.6	28.5	14.6	27.6	24.5	18.5	16	11.2	24
	1/4	KQ2V08-02S					18	31	25.5				30
	3/8	KQ2V08-03S	14		20.6	27.5	19.4	35.4	30		20.5	14.3	47
10	1/4	KQ2V10-02S	14	18.5	20.6	31	19	35	29.5	21	27	20.3	40
	3/8	KQ2V10-03S					19.4	35.4	30				49
12	3/8	KQ2V12-03S	17	20.9	25.2	34	20.9	37.4	32	22	39	30.8	63
	1/2	KQ2V12-04S					24.1	40.6	33.5				80
16	3/8	KQ2V16-03S	21	26.5	32.3	39	25.4	45.4	40.5	25	55	(55)	103
	1/2	KQ2V16-04S					28.6	48.6	41.5		78	(65)	110

∗ Reference dimensions after R thread installation.
Note 1) øD1: Max. diameter
Note 2) ( ): Values for soft nylon.

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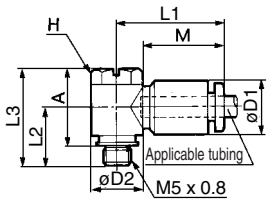

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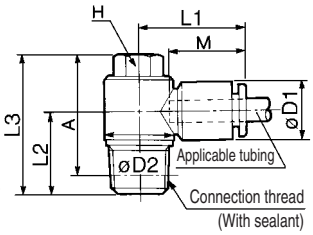

Hexagon Socket Head Universal Male Elbow: KQ2VS

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Applicable tubing O.D. (mm)	Connection thread R M	Model	H (width across flats)	Note) øD1	øD2	L1	L2	L3	A*	M	Effective area (mm²) Nylon	Urethane	Mass (g)
4	M5 x 0.8	KQ2VS04-M5	4	10.4	9.8	20.5	10.5	18	15	16	2.9	2.9	6
	1/8	KQ2VS04-01S	6		13.4	22	13.6	25.6	22.5				14
6	M5 x 0.8	KQ2VS06-M5	4	12.8	9.8	23.5	12	18	15	17	3.8	3.8	7
	1/8	KQ2VS06-01S	6		13.4	24	13.6	25.6	22.5		7.5	5.9	15
	1/4	KQ2VS06-02S			15.3	23.5	18	26.5	21				22
8	1/8	KQ2VS08-01S	8	15.2	17.6	28.5	14.6	26.1	23	18.5	16	11.2	24
	1/4	KQ2VS08-02S					18	29.5	24				30
	3/8	KQ2VS08-03S			20.6	27.5	19.4	31.4	26		20.5	14.3	47
10	1/4	KQ2VS10-02S	8	18.5	20.6	31	19	31	25	21	27	20.3	32
	3/8	KQ2VS10-03S					19.4	31.4	26				39
12	3/8	KQ2VS12-03S	10	20.9	25.2	34	20.9	34.9	30	22	39	30.8	48
	1/2	KQ2VS12-04S					24.1	38.1	31				67

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

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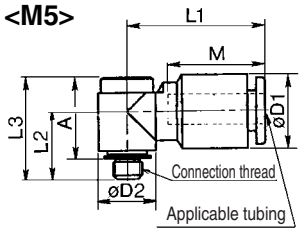

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