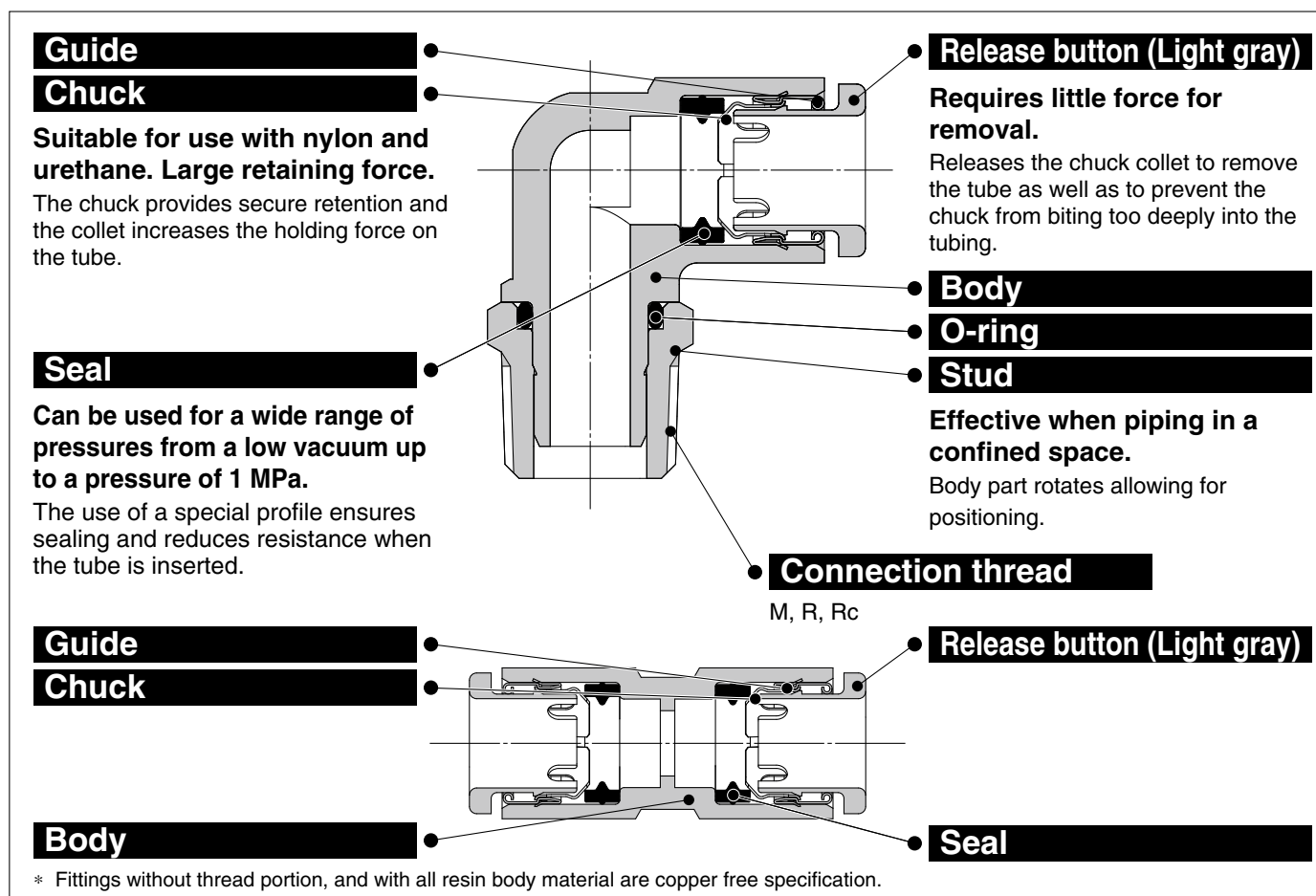


Metric Size One-touch Fittings

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

KQ2 Series



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



Made to Order
(Refer to page 131 for details.)

Applicable Tubing

Tubing material	FEP, PFA, Nylon, Soft nylon, Polyurethane
Tubing O.D.	ø2, ø3.2, ø4, ø6, ø8, ø10, ø12, ø16

Specifications

Fluid		Air, Water ^{*1} ^{*2}
Operating pressure range^{*3}		-100 kPa to 1 MPa
Proof pressure (at 23°C)		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

*1 The surge pressure must be under the maximum operating pressure.

*2 Deionized water is not recommended for use as it may affect the material used in the fittings. In addition, it is known to degrade the water quality.

*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, Stainless steel 303
Stud	C3604 (Thread portion), Stainless steel 303 (Thread portion)
Chuck	Stainless steel 304
Guide	Stainless steel 304
Release button	POM
Seal, O-ring	NBR
Gasket	Stainless steel 304, NBR



KQ2 Series

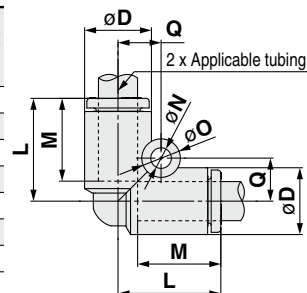
Applicable Tubing: Metric Size, Connection Thread: M, R, Rc

Dimensions

Union Elbow: KQ2L



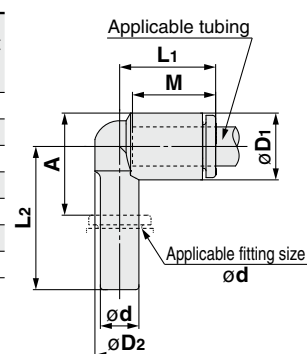
Applicable tubing O.D. [mm]	Model	øD	L	Q	M	Mounting hole			Effective area [mm ²]		Min. port size	Weight [g]
						øO	øN	Thickness	Nylon	Urethane		
ø3.2	KQ2L23-00A	7.1	14.9	5.4	13.3	6	3.2	7.1	3	2.5	2.5	1.6
ø4	KQ2L04-00A	8.2	15.3	5.7	13.3	6	3.2	8.2	4.2	4.2	3	1.9
ø6	KQ2L06-00A	10.4	16.3	6.8	13.3	6	3.2	10.4	11.4	9	4.5	2.7
ø8	KQ2L08-00A	13.2	18.2	8.4	14.2	8	4.2	13.2	21.6	14.9	6	4.7
ø10	KQ2L10-00A	15.9	20.6	9.6	15.6	8	4.2	15.9	35.2	25	7.5	7.1
ø12	KQ2L12-00A	18.5	23	10.7	17	8	4.2	18.5	50.2	39.7	9	10.3
ø16	KQ2L16-00A	23.8	28.6	13.4	20.6	8	4.2	23.8	100	58.9	13	19.7



Plug-in Elbow: KQ2L



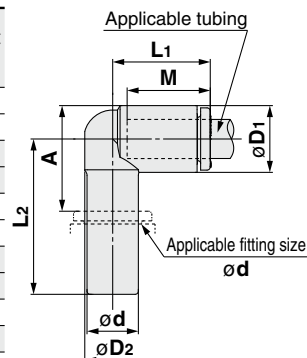
Applicable tubing O.D. [mm]	Applicable fitting size ød	Model	øD1	øD2	L1	L2	A	M	Effective area [mm ²]		Min. port size	Weight [g]
									Nylon	Urethane		
ø3.2	ø3.2	KQ2L23-99A	7.1	6.4	14.4	20.9	11.1	13.3	3	2.5	2.2	0.9
ø4	ø4	KQ2L04-99A	8.2	7.2	14.5	21.1	11.9	13.3	4.2	4.2	2.5	1.2
ø6	ø6	KQ2L06-99A	10.4	8	15.3	22.3	14.2	13.3	9	9	4	1.8
ø8	ø8	KQ2L08-99A	13.2	10	17.2	26.2	18.6	14.2	21.6	14.9	6	3
ø10	ø10	KQ2L10-99A	15.9	12	19.3	28.2	20.5	15.6	35.2	25	7.5	4.7
ø12	ø12	KQ2L12-99A	18.5	14	21.5	31	23.2	17	50.2	39.7	9	7
ø16	ø16	KQ2L16-99A	23.8	20	27.1	36.8	28.1	20.6	100	58.9	13	13.7



Reducer Elbow: KQ2L



Applicable tubing O.D. [mm]	Applicable fitting size ød	Model	øD1	øD2	L1	L2	A	M	Effective area [mm ²]		Min. port size	Weight [g]
									Nylon	Urethane		
ø3.2	ø4	KQ2L23-04A	7.1	6.4	14.5	23.9	14.1	13.3	3	2.5	2.5	1.1
	ø6	KQ2L23-06A	7.1	6.4	14.5	24.1	14.3	13.3	3	2.5	2.5	1.3
ø4	ø6	KQ2L04-06A	8.2	7.2	14.8	24.6	15.4	13.3	4.2	4.2	3	1.5
	ø8	KQ2L04-08A	8.2	7.2	14.8	29.5	19.4	13.3	4.2	4.2	3	1.8
ø6	ø8	KQ2L06-08A	10.4	9	15.5	24.2	15.2	13.3	11.4	9	4.5	2.1
	ø10	KQ2L06-10A	10.4	9	15.5	31.6	21.2	13.3	11.4	9	4.5	2.7
ø8	ø10	KQ2L08-10A	13.2	10	18.8	27.1	18.1	14.2	21.6	14.9	6	3.5
	ø12	KQ2L08-12A	13.2	10	18.8	34	23.6	14.2	21.6	14.9	6	4.9
ø10	ø12	KQ2L10-12A	15.9	12	19.3	35.6	26.5	15.6	35.2	25	7.5	5.6
ø12	ø16	KQ2L12-16A	18.5	14	21.5	42.6	31.2	17	50.2	39.7	9	8.7



Branch Union Elbow: KQ2LU



Applicable tubing O.D. [mm]	Model	øD	L1	L2	Q1	Q2	M	P	Mounting hole			Effective area [mm ²]	Min. port size	Weight [g]
									øO	øN	Thickness	Nylon	Urethane	
ø4	KQ2LU04-00A	8.2	15.8	19.9	15.8	7.9	13.3	8.2	6	3.2	8.2	6	4.1	3.1
ø6	KQ2LU06-00A	10.4	16.5	21.7	16.5	10	13.3	10.4	6	3.2	10.4	13.9	11	4.5
ø8	KQ2LU08-00A	13.2	18.2	24.8	18.2	13.1	14.2	13.2	8	4.2	13.2	26.3	18.2	6
ø10	KQ2LU10-00A	15.9	20.3	28.3	20.3	15.9	15.6	15.9	8	4.2	15.9	40.8	29	7.5
ø12	KQ2LU12-00A	18.5	22.5	31.7	22.5	17.9	17	18.5	8	4.2	18.5	57.2	45.2	9

