

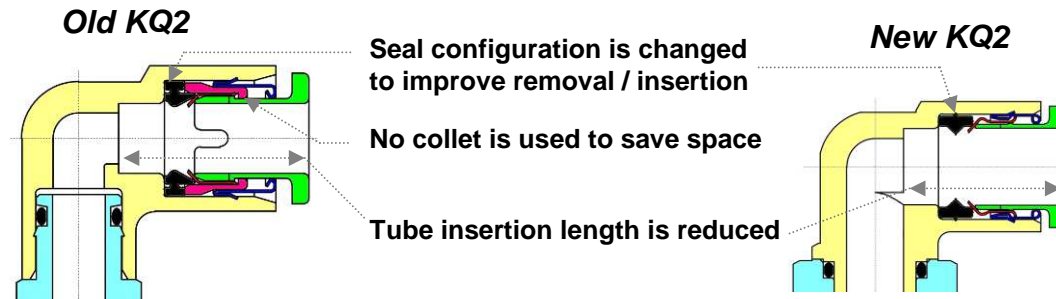


New KQ2 series One-touch fitting

Improved features and related benefits

FEATURE: Improved tube insertion and removal (tube insertion force reduced by 30%, tube removal force reduced by 20%).

CUSTOMER BENEFIT: Easier assembly and maintenance, reducing labour costs.



FEATURE: More compact and light weight (height reduced by up to 24%, width reduced by up to 23% and weight reduced by up to 57%)

CUSTOMER BENEFIT: Contribution to reduced overall machine dimensions and weight.

FEATURE: New thread size 1/4" added to the existing threads (1/2" and 3/8") for some Ø16 mm tube models.

CUSTOMER BENEFIT: More design flexibility



Technical details

▪Equivalent product variations

Old product		New KQ2 option	Description
KJ	Standard models	N	Electroless nickel plated brass
	Bulkhead union KJE	J	Interchangeable with KJE
	M3 male thread	G	Stainless steel 303
KQ/KQ2	Standard models	A	Brass
	-X2	N	Electroless nickel plated (January'13)
	G thread	P	Face seal (April'13)
KG	Standard models	G	Stainless steel 303 (January'13)

▪Old KQ/KQ2 models that remain unchanged

Plug KQ2P, KQP



Nipple KQ2N



Reducer nipple KQ2N



Technical details

Specifications	KJ	KQ / KQ2	New KQ2
Fluid		Air / Water	
Max. operating pressure		1.0 MPa	
Operating vacuum pressure		- 100 kPa	
Proof pressure		3.0 MPa	
Ambient and fluid temperature	-5 to 60°C, In case of water: 0 to 40°C (No freezing)		
Thread	JIS B0203 (Taper thread for piping)		
Mounting	JIS B0209, Class 2 (Metric coarse thread)		
Nut	JIS B0211, Class 2 (Metric fine thread)		
Seal on the piping threads	With sealant	With sealant or none	With sealant or none
For application requiring copper-free material (Standard)	Brass parts are all electroless nickel plated	Option -X2	Option N
Body	Stainless steel 303, C3604, PBT	C3604BD, PBT, PP	C3604, PBT, PP or Stainless steel 303
Stud	C3604 (Tread portion)	C3604BD (Thread portion)	C3604 or Stainless steel 303 (Thread portion)
Chuck	Stainless steel 304		
Guide	Stainless steel 304, PBT	SUS304, C3604BD, Polyacetal (POM)	Stainless steel 304
Release button	Polyacetal (POM)		
Seal, O-ring	NBR		
Gasket	Stainless steel 304, NBR		
Tubing material	Nylon, Soft nylon, Polyurethane	Nylon, Soft nylon, Polyurethane	FEP, PFA, Nylon, Soft nylon, Polyurethane
Tube outer diameter	ø2, ø3.2, ø4, ø6	ø3.2, ø4, ø6, ø8, ø10, ø12, ø16	ø2, ø3.2, ø4, ø6, ø8, ø10, ø12, ø16
Connecting thread	M3, M5, R1/8	M5, M6, R1/8, R1/4, R3/8, R1/2 G1/8, G1/4, G3/8, G1/2	M3, M5, M6, R1/8, R1/4, R3/8, R1/2
Dimensions	Please refer to the individual product dimension comparisons available at subsidiary headquarters		

Soft nylon tubing: Water cannot be used.

Technical details

▪ **Made to order options and other variations that will come later:**

10- : Clean room specification

-X35: Black body (the same as old KQ)

-X12: White vaseline used as lubricant

-X34: FKM used as rubber material

-X41: With fixed throttle

-X17: Grease free, NBR rubber

-X29: Grease free, NBR rubber, electroless nickel plated brass

-X39: Grease free, NBR rubber, clean specification

-X94: Grease free, FKM rubber

▪ **Colour cap is also modified in the new series and will be provided later. It is not interchangeable with old series.**



KQ2C-##*A