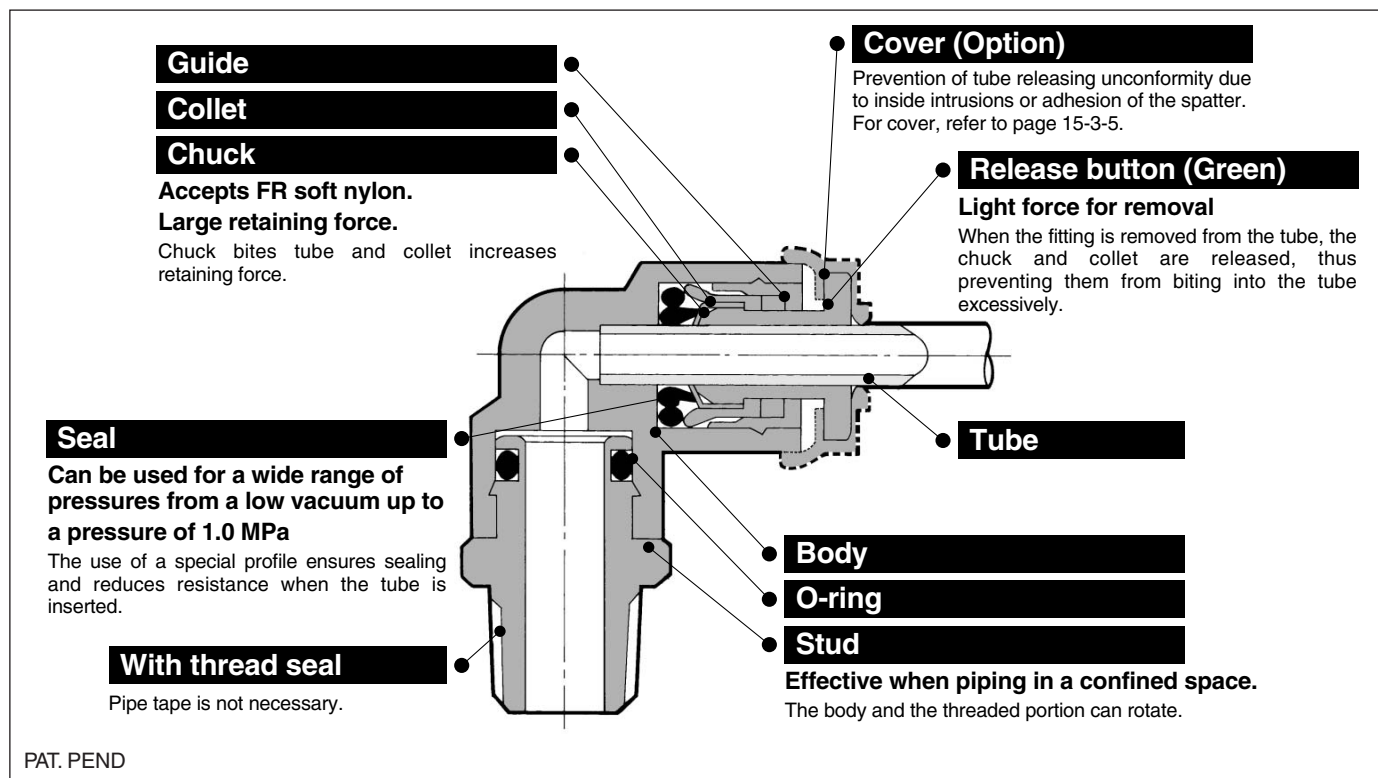


Flame Resistant (Equivalent to UL-94 Standard V-0) FR One-touch Fittings Series *KR*



K□

M□

H□

D□

MS

T□

VMG



Applicable Tubing

Tubing material	FR double layer, FR soft nylon
Tubing O.D.	ø6, ø8, ø10, ø12

Specifications

Fluid	Air/Water ^{Note)}	
Maximum operating pressure	1.0 MPa	
Proof pressure	3.0 MPa	
Ambient and fluid temperature	-5 to 60°C (Water: 0 to 60°C) (No freezing)	
Thread	Mounting section	JIS B 0203 (Taper thread for piping)
	Nut section	JIS B 0211 Class 2 (Metric fine thread)
Seal (Thread portion)	With seal (Standard)	



Note) Applicable for general industrial water. Please consult with SMC if using for other kinds of fluid. Also, the surge pressure must be under the maximum operating pressure.

Principal Parts Material

Body	C3604BD, Flame resistant PBT (UL-94 standard V-0)
Stud	C3604BD (Thread portion)
Chuck	Stainless steel 304
Guide	Stainless steel 304, Flame resistant PBT (UL-94 standard V-0)
Collet	POM
Release button	Flame resistant PBT (UL-94 standard V-0)
Seal, O-ring	NBR
Cover (Option)	Flame resistant PBT, Flame resistant CR (UL-94 standard V-0)

Series KR

Model		
Male connector		
KRH	P. 2	Use to pipe in the same direction from female thread. Most general style.
Straight union		
KRH	P. 2	Use to connect tubes in the same direction.
Male elbow		
KRL	P. 3	Use to pipe at right angles to female thread. Most general style.
45° male elbow		
KRK	P. 3	Use to pipe in 45° angle direction from female thread. Model in-between of male connector and male elbow.
Universal male elbow		
KRV	P. 3	Universal male elbow allows thread connection by using a socket wrench for confined spaces.
Spatter cover		
KR	P. 5	Prevention of tube releasing unconformity due to an inside intrusion or adhesion of the spatter.
Union elbow		
KRL	P. 3	Use to connect tubes at right angles.
Extended male elbow		
KRW	P. 3	Basically, it is used together with male elbow. Different point is that it is used for fittings to avoid from interfering with each other by making the piping two-level.
Male branch tee		
KRT	P. 4	Use to branch line from female thread in both 90° directions.
Union tee		
KRT	P. 4	Use to connect tubes in both 90° directions.
Male run tee		
KRY	P. 4	Use to branch line in the same direction from female thread and in 90° direction.
Spatter cover		
KR-□C1	P. 5	Prevention of tube releasing unconformity due to an inside intrusion or adhesion of the spatter.
Plug-in reducer		
KRR	P. 5	Use to size down One-touch fittings.
Union "Y"		
KRU	P. 4	Use to branch line in the same direction.
Plug-in "Y"		
KRU	P. 4	Use to branch line in the same direction from One-touch fittings.
Branch		
KRU	P. 5	Use to branch line in the same direction from female thread.
Bulkhead union		
KRE	P. 5	Use to connect tubes through a panel.
Plug		
KRP	P. 5	Use to plug unused One-touch fittings.

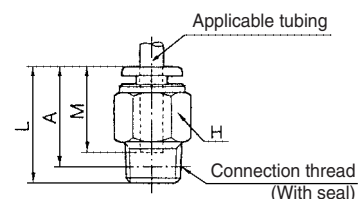
Dimensions

Male Connector: KRH

Applicable tubing O.D. (mm)	Connection thread R	Model	H (width across flats)	L	A*	M	Effective area (mm ²)		Weight (g)
6	1/8	KRH06-01S	12	22.5	18.5	17	10.4	5.6	16
	1/4	KRH06-02S	14	23	17				14
	3/8	KRH06-03S	17	22	15.5				27
8	1/8	KRH08-01S	14	28	24	18.5	26.1	18.0	21
	1/4	KRH08-02S	17	26.5	20.5				19
	3/8	KRH08-03S	17	22	15.5				26
10	1/8	KRH10-01S	17	30	26	21	26.1	26.1	19
	1/4	KRH10-02S	17	33.5	27.5				30
	3/8	KRH10-03S	22	29	22.5		41.5	29.5	53
	1/2	KRH10-04S	22	27	19				42
12	1/4	KRH12-02S	19	34.5	28.5	22	58.3	46.1	34
	3/8	KRH12-03S	19	30	23.5				51
	1/2	KRH12-04S	22	30	22				



* Reference dimensions after R thread installation.



Straight Union: KRH

Applicable tubing O.D. (mm)	Model	øD (Note)	L	M	Effective area (mm ²)		Weight (g)
6	KRH06-00	12.8	34.5	17	10.4	5.6	4
8	KRH08-00	15.2	38.5	18.5	26.1	18.0	6
10	KRH10-00	18.5	42.5	21	41.5	29.5	11
12	KRH12-00	20.9	44.5	22	58.3	46.1	14



Note) øD: Max. diameter

