

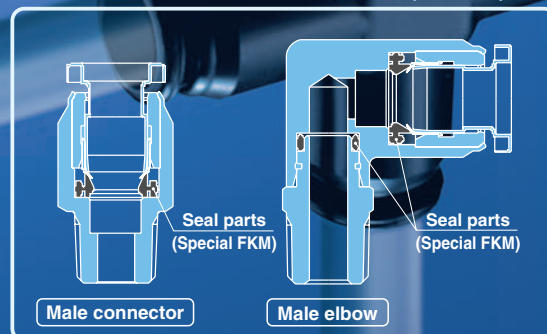
Stainless Steel 316 One-touch Fittings

- Material
Metal parts: **Stainless steel 316**
Seal parts: **Special FKM**
- Operating fluid temperature
-5 to 150°C
- Can be used with steam
- Grease-free



- Applicable tubing material
 - FEP, PFA, Nylon, Soft nylon, Polyurethane
 - Polyolefin


All stainless steel 316 except seal parts



Series **KQG**


Male Connector

Applicable tubing O.D. (mm)	Connection thread	Model
ø4	M5	KQGH04-M5
	R1/8	KQGH04-01S
ø6	M5	KQGH06-M5
	R1/8	KQGH06-01S
	R1/4	KQGH06-02S
ø8	R1/8	KQGH08-01S
	R1/4	KQGH08-02S
	R3/8	KQGH08-03S
ø10	R1/4	KQGH10-02S
	R3/8	KQGH10-03S
ø12	R3/8	KQGH12-03S
	R1/2	KQGH12-04S




Hexagon Socket Head Male Connector

Applicable tubing O.D. (mm)	Connection thread	Model
ø4	M5	KQGS04-M5
	R1/8	KQGS04-01S
ø6	M5	KQGS06-M5
	R1/8	KQGS06-01S
	R1/4	KQGS06-02S
ø8	R1/8	KQGS08-01S
	R1/4	KQGS08-02S
	R3/8	KQGS08-03S
ø10	R1/4	KQGS10-02S
	R3/8	KQGS10-03S
ø12	R3/8	KQGS12-03S
	R1/2	KQGS12-04S




Straight Union

Applicable tubing O.D. (mm)	Model
ø4	KQGH04-00
ø6	KQGH06-00
ø8	KQGH08-00
ø10	KQGH10-00
ø12	KQGH12-00




Male Elbow

Applicable tubing O.D. (mm)	Connection thread	Model
ø4	M5	KQGL04-M5
	R1/8	KQGL04-01S
ø6	M5	KQGL06-M5
	R1/8	KQGL06-01S
	R1/4	KQGL06-02S
ø8	R1/8	KQGL08-01S
	R1/4	KQGL08-02S
	R3/8	KQGL08-03S
ø10	R1/4	KQGL10-02S
	R3/8	KQGL10-03S
ø12	R3/8	KQGL12-03S
	R1/2	KQGL12-04S




Union Elbow

Applicable tubing O.D. (mm)	Model
ø4	KQGL04-00
ø6	KQGL06-00
ø8	KQGL08-00
ø10	KQGL10-00
ø12	KQGL12-00




Male Branch Tee

Applicable tubing O.D. (mm)	Connection thread	Model
ø4	M5	KQGT04-M5
	R1/8	KQGT04-01S
ø6	M5	KQGT06-M5
	R1/8	KQGT06-01S
	R1/4	KQGT06-02S
ø8	R1/8	KQGT08-01S
	R1/4	KQGT08-02S
	R3/8	KQGT08-03S
ø10	R1/4	KQGT10-02S
	R3/8	KQGT10-03S
ø12	R3/8	KQGT12-03S
	R1/2	KQGT12-04S




Union Tee

Applicable tubing O.D. (mm)	Model
ø4	KQGT04-00
ø6	KQGT06-00
ø8	KQGT08-00
ø10	KQGT10-00
ø12	KQGT12-00




Union "Y"

Applicable tubing O.D. (mm)	Model
ø4	KQGU04-00
ø6	KQGU06-00
ø8	KQGU08-00
ø10	KQGU10-00
ø12	KQGU12-00



Bulkhead Union

Applicable tubing O.D. (mm)	Model
ø4	KQGE04-00
ø6	KQGE06-00
ø8	KQGE08-00
ø10	KQGE10-00
ø12	KQGE12-00



Stainless Steel 316 One-touch Fittings Series *KQG*

Applicable Tubing

Tubing material	FEP, PFA, Nylon, Soft nylon, Polyurethane, Polyolefin ^{Note 3)}
Tubing O.D.	ø4, ø6, ø8, ø10, ø12



Specifications

Operating fluid	Air, Water, Steam ^{Note 4)}
Operating pressure range ^{Note 1)}	-100 kPa to 1MPa
Proof pressure	3.0 MPa
Ambient and Operating fluid temperature ^{Note 2)}	-5 to 150°C (No freezing)
Lubricant	Grease-free specification
Seal on the threads	With sealant

Note 1) Please avoid using in a vacuum holding application such as a leak tester, since there is leakage.

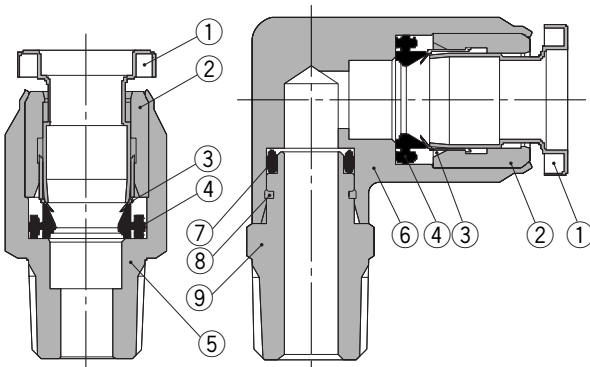
Note 2) When using at 120°C or higher, for an extended period of time, we recommend that an inner sleeve be used.

Note 3) In the event of using polyurethane tubing, we recommend the use of an inner sleeve in cases where the tubing is strained.

Note 4) Special FKM that is resistant even when steam is used.

Tube size	Tubing model (Material)				Applicable inner sleeve	
	TU (Polyurethane)	TUS (Soft polyurethane)	TH (FEP)	TL (PFA)	Model	Length
0402	—	—	●	—	TJ-0402	18
0425	●	●	●	—	TJ-0425	18
0403	—	—	—	●	TJ-0403	18
0604	●	●	●	●	TJ-0604	19
0805	●	●	—	—	TJ-0805	20.5
0806	—	—	●	●	TJ-0806	20.5
1065	●	●	—	—	TJ-1065	23
1075	—	—	●	—	TJ-1075	23
1008	—	—	●	●	TJ-1208	24
1208	●	●	—	—		
1209	—	—	●	—	TJ-1209	24
1210	—	—	●	●	TJ-1210	24

Construction



No.	Description	Material
1	Release bushing	Stainless steel 316
2	Guide	Stainless steel 316
3	Chuck	Stainless steel 316
4	Seal	Special FKM
5	Male connector body	Stainless steel 316
6	Male elbow body	Stainless steel 316
7	O-ring	Special FKM
8	Stopper ring	Stainless steel 316
9	Stud	Stainless steel 316

Series KQG

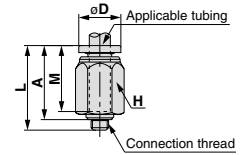
Dimensions

Male Connector: KQGH

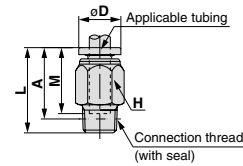


Applicable tubing O.D. (mm)	Connection thread R	Model	H (width across flats)	øD	L	A*	M	Effective area (mm ²) ^{Note 1)}	Weight (g)	
ø4	M5	KQGH04-M5	10	10	22.3	19.3	18	4	7.4	
	1/8	KQGH04-01S			24	20		5.6	9.4	
ø6	M5	KQGH06-M5	12	12	24.1	21.1	18.8	4	11	
	1/8	KQGH06-01S			24.3	20.3		10.4	11	
	1/4	KQGH06-02S			25.8	19.8		18	18	
ø8	1/8	KQGH08-01S	14	14	30.5	26.5	20.9	26.1	18	
	1/4	KQGH08-02S			28.5	22.5			18	18
	3/8	KQGH08-03S			24	17.7			24	24
ø10	1/4	KQGH10-02S	17	17	35.5	29.5	23	41.5	29	
	3/8	KQGH10-03S			31	24.7			29	29
ø12	3/8	KQGH12-03S	19	19	32.8	26.5	24.8	58.3	31	
	1/2	KQGH12-04S	22		24.6	51			51	

(In case of M5)



(In case of R)



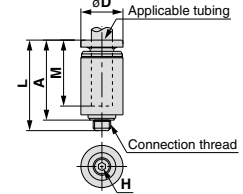
* Reference dimensions after installation of R thread
Note 1) Figures shown when using FEP tubing

Hexagon Socket Head Male Connector: KQGS

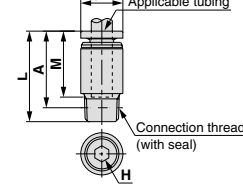


Applicable tubing O.D. (mm)	Connection thread R	Model	H (width across flats)	øD	L	A*	M	Effective area (mm ²) ^{Note 1)}	Weight (g)	
ø4	M5	KQGS04-M5	2	10	25	22	18	4	8.6	
	1/8	KQGS04-01S	3			21		4.1	9.8	
ø6	M5	KQGS06-M5	2	12	25.8	22.8	18.8	4	12	
	1/8	KQGS06-01S	4			21.8		9.9	12	
	1/4	KQGS06-02S	19.8			10		20		
ø8	1/8	KQGS08-01S	5	14	30.5	26.5	20.9	23.3	17.2	17
	1/4	KQGS08-02S	6		28.5	22.5			18	18
	3/8	KQGS08-03S	30.1		23.8	35			35	
ø10	1/4	KQGS10-02S	8	17	35.5	29.5	23	39	28	
	3/8	KQGS10-03S			31	24.7			29	29
ø12	3/8	KQGS12-03S	10	19	32.8	26.5	24.8	60	30	
	1/2	KQGS12-04S	22		24.6	54			54	

(In case of M5)



(In case of R)

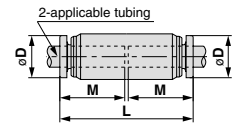


* Reference dimensions after installation of R thread
Note 1) Figures shown when using FEP tubing

Straight Union: KQGH



Applicable tubing O.D. (mm)	Model	øD	L	M	Effective area (mm ²) ^{Note 1)}	Weight (g)
ø4	KQGH04-00	11	37	18	5.6	16
ø6	KQGH06-00	13	38	18.5	13.1	22
ø8	KQGH08-00	15	42.8	20.9	26.1	31
ø10	KQGH10-00	19	47	23	41.5	54
ø12	KQGH12-00	21	50.6	24.8	58.3	66



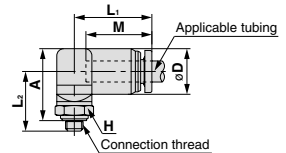
Note 1) Figures shown when using FEP tubing

Male Elbow: KQGL

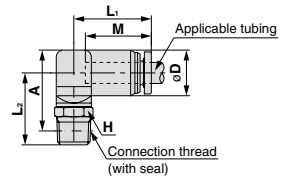


Applicable tubing O.D. (mm)	Connection thread R	Model	H (width across flats)	øD	L ₁	L ₂	A*	M	Effective area (mm ²) ^{Note 1)}	Weight (g)	
ø4	M5	KQGL04-M5	10	10.6	20.5	16	18.3	18	3.5	18	
	1/8	KQGL04-01S				19.5	20.8		4.2	20	
ø6	M5	KQGL06-M5	12	13	22.1	17	20.5	18.8	3.5	25	
	1/8	KQGL06-01S				20.5	23		9	26	
	1/4	KQGL06-02S				24.5	25		35	35	
ø8	1/8	KQGL08-01S	12	15	24.9	21.9	25.4	20.9	21.6	37	
	1/4	KQGL08-02S	14			25.9	27.4			45	45
	3/8	KQGL08-03S	27.9			29.1	56			56	
ø10	1/4	KQGL10-02S	17	18	27.8	27.7	30.7	23	35.2	69	
	3/8	KQGL10-03S				29.7	32.4			73	73
ø12	3/8	KQGL12-03S	22	20.8	31.3	30.7	35.1	24.8	50.2	94	
	1/2	KQGL12-04S				34.7	37.2			121	121

(In case of M5)



(In case of R)



* Reference dimensions after installation of R thread
Note 1) Figures shown when using FEP tubing

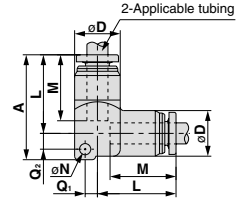
Dimensions

Union Elbow: KQGL



Applicable tubing O.D. (mm)	Model	øD	L	A	Q1	Q2	M	øN	Effective area (mm ²) ^{Note 1)}	Weight (g)
ø4	KQGL04-00	10.6	20.6	27.3	2.3	3.7	18	3.2	4.2	21
ø6	KQGL06-00	13	22.4	28.9	3.5	3.5	18.8		9	32
ø8	KQGL08-00	15	25.5	35.1						
ø10	KQGL10-00	18	28.6	38.2	5	5.6	20.9	4.2	21.6	49
ø12	KQGL12-00	20.8	31.4	41.8	6.4	6.4	24.8		35.2	76
									50.2	108

Note 1) Figures shown when using FEP tubing



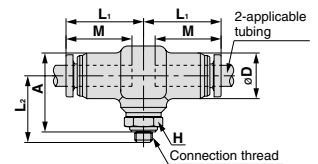
Male Branch Tee: KQGT



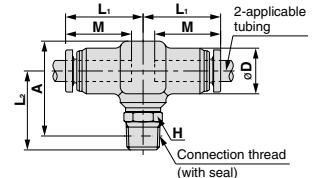
Applicable tubing O.D. (mm)	Connection thread R	Model	H (width across flats)	øD	L1	L2	A*	M	Effective area (mm ²) ^{Note 1)}	Weight (g)
ø4	M5	KQGT04-M5	10	10.6	20.5	18	23.1	18	4.5	26
	1/8	KQGT04-01S				21.5	25.6		6	27
ø6	M5	KQGT06-M5	13	22.1	19	25	18.8	4.5	39	
	1/8	KQGT06-01S			22.5	27.5		11	41	
ø8	1/4	KQGT06-02S	14	15	24.9	26.5	29.5	20.9	26.3	70
	1/8	KQGT08-01S	12			23.9	30.7		61	
ø10	1/4	KQGT08-02S	14	18	27.8	27.9	32.7	23	40.8	97
	3/8	KQGT08-03S				29.9	34.4		83	
ø12	3/8	KQGT10-03S	17	20.8	31.3	29.7	35.7	24.8	57.2	133
	1/2	KQGT12-04S					32.7		39.5	159
			22			36.7	41.6			

* Reference dimensions after installation of R thread
Note 1) Figures shown when using FEP tubing

(In case of M5)



(In case of R)

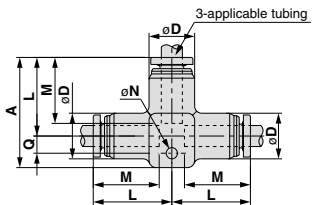


Union Tee: KQGT



Applicable tubing O.D. (mm)	Model	øD	L	A	Q	M	øN	Effective area (mm ²) ^{Note 1)}	Weight (g)
ø4	KQGT04-00	10.6	20.6	28.7	4.1	18	3.2	6.4	28
ø6	KQGT06-00	13	22.4	31.4	4.9	18.8		10.6	42
ø8	KQGT08-00	15	25.5	36.3	6.1	20.9		25.6	57
ø10	KQGT10-00	18	28.6	40.6	7.1	23	4.2	40	95
ø12	KQGT12-00	20.8	31.4	44.5	8.1	24.8		57.4	129

Note 1) Figures shown when using FEP tubing

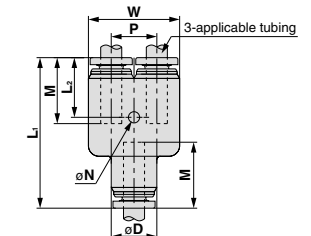


Union "Y": KQGU



Applicable tubing O.D. (mm)	Model	øD	W	L1	L2	P	M	øN	Effective area (mm ²) ^{Note 1)}	Weight (g)
ø4	KQGU04-00	10.6	21.2	41	16.8	10.6	18	3.2	2.9	35
ø6	KQGU06-00	13	26	42.9	17	13	18.8		7.4	54
ø8	KQGU08-00	15	30	47.7	18.7	15	20.9		17.9	75
ø10	KQGU10-00	18	36	52.8	20.5	18	23	4.2	28	114
ø12	KQGU12-00	20.8	41.6	57.8	21.9	21	24.8		40.2	175

Note 1) Figures shown when using FEP tubing

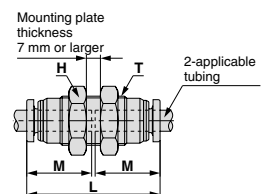


Bulkhead Union: KQGE



Applicable tubing O.D. (mm)	Model	T (M)	H (width across flats)	L	Mounting hole	M	Effective area (mm ²) ^{Note 1)}	Weight (g)
ø4	KQGE04-00	M12X1	14	37	13	18	5.6	21
ø6	KQGE06-00	M14X1	17	38	15	18.5	10.4	29
ø8	KQGE08-00	M16X1	19	42.8	17	20.9	26.1	40
ø10	KQGE10-00	M20X1	24	47	21	23	41.5	71
ø12	KQGE12-00	M22X1	27	50.6	23	24.8	58.3	95

Note 1) Figures shown when using FEP tubing








Series KQG

Safety Instructions

The following safety instructions are intended to prevent a hazardous situation and/or equipment damage. The instructions indicate the level of potential hazard by labels of "**Caution**", "**Warning**" or "**Danger**". To ensure safety, please observe all safety practices, including ISO 4414 ^{Note 1)} and JIS B 8370 ^{Note 2)}.

 **Caution** : Operator error could result in injury or equipment damage.

 **Warning** : Operator error could result in serious injury or loss of life.

 **Danger** : In extreme conditions, there is a possible result of serious injury or loss of life.

Note 1) ISO 4414: Pneumatic fluid power – General rules relating to systems

Note 2) JIS B 8370: General Rules for Pneumatic Equipment

Warning

1. The compatibility of pneumatic equipment is the responsibility of the person who designs the pneumatic system or decides its specifications.

Since the products specified here are used in various operating conditions, their compatibility with a specific pneumatic system must be based on specifications, post analysis and/or tests to meet a specific requirement. The expected performance and safety assurance is the responsibility of the person who determines the compatibility of the system. This person should continuously review the suitability of all specified items by referring to the latest information in the catalog and by taking into consideration the possibility of equipment failure when configuring the system.

2. Only trained personnel should operate pneumatic machinery and equipment.

Compressed air can be dangerous if an operator is unfamiliar with it. Assembly, handling or repair of pneumatic systems should be performed by trained and experienced operators.

3. Do not service machinery/equipment or attempt to remove components until the safety of the worker is confirmed.

1. Inspection and maintenance of machinery/equipment should only be performed once measures to prevent falling or runaway of the driver objects have been confirmed.
2. When equipment is to be removed, confirm that all safety precautions have been followed. Cut the supply pressure for this equipment and exhaust all residual compressed air in the system.
3. Before restarting any machinery/equipment exercise caution to prevent quick extension of a cylinder piston rod, etc.

4. Contact SMC if the product will be used in any of the following conditions:

1. Conditions and environments beyond the given specifications, or if product is used outdoors.
2. Installation on equipment in conjunction with atomic energy, railway, air navigation, vehicles, medical equipment, food and beverages, recreation equipment, emergency stop circuits, clutch and brake circuits in press applications, or safety equipment.
3. An application which has the possibility of having a negative affect on people, property, or animals, requiring special safety analysis.



Series KQG

Specific Product Precautions 1

Be sure to read before handling. Refer to page 4 for safety instructions.

Selection

Caution

1. Do not use in locations where the connecting threads and tubing connection will slide or rotate. The connecting threads and tubing connection will come apart under these conditions.
2. Use tubing at or above the minimum bending radius. Using below the minimum bending radius can cause breakage or flattening of the tube.
3. Consult with SMC regarding fluids other than air, water and nitrogen gas.
4. In case of liquid fluids, keep surge pressure at or below the maximum operating pressure. If the surge pressure exceeds the maximum operating pressure, damage to the fittings and tubing may occur.

Mounting

Caution

1. Before mounting, please confirm that the model, size, etc. are correct. In addition, please confirm that there are no blemishes, nicks or cracks in the product.
2. When tubing is connected, consider factors such as changes in the tubing length due to pressure, and give adequate space.
3. Mount so that the fittings and tubing are not subjected to strain or moment loads. This can cause damage to the fittings and flattening, bursting or disconnection of the tubing, etc.
4. Mount so that tubing is not damaged due to tangling and abrasion. This can cause flattening, bursting or disconnection of the tubing, etc.

Installation of Threads

Caution

1. For M5
Tighten the screw within 1.0 to 1.5 N·m of the proper tightening torque. As a guide, after tightening by hand, tighten approximately 1/6 turn further using a tightening tool. Excessive tightening can cause air leakage due to thread damage or deformation of the gasket, etc. Insufficient tightening can cause loose threads and air leakage, etc.
2. Taper threads
When installing, tighten with the proper torque shown in the table below. As a rule, this corresponds to two or three turns with a tool after being tightened by hand.

Connection thread size	Proper tightening torque N·m
R 1/8	7 to 9
R 1/4	12 to 14
R 3/8	22 to 24
R 1/2	28 to 30

Installation of Threads

Caution

3. Tightening tools
Tighten with an appropriate wrench using the hexagon wrench flats on the body.
Tighten by placing an appropriate wrench firmly against the fitting body. Position the wrench on the base as close as possible to the threads. If the wrench size is not correct, the fitting body may be damaged.

Installation and Removal of Tubing

Caution

1. Installation of tubing
 - 1) Using tube cutters TK-1, 2 or 3, take a tube having no flaws on its periphery and cut it off at a right angle. Do not use pinchers, nippers or scissors, etc. The tubing might be cut diagonally or flattened, making installation impossible or causing problems such as disconnection and leakage.
 - 2) Hold the tubing and slowly insert it all the way into the fitting.
 - 3) After inserting the tubing, pull on it lightly to confirm that it will not come out. If it is not securely installed all the way into the fitting, problems such as leakage or disconnection of the tubing can occur.
 - 4) Grease is not used therefore, a greater insertion force is required when the tubing is installed. In particular, polyurethane tubing may fold when inserted due to its softness. Hold the end of the tubing, and insert it all the way in slowly and securely. Refer to dimension "M" in the dimension drawings for guidance on the insertion depth of tubing.
2. Removal of tubing
 - 1) Sufficiently depress the release bushing and tubing, making sure to apply even pressure around the release bushing.
 - 2) Pull out the tubing while depressing the release bushing so that it does not pop out. If the release bushing is not depressed sufficiently, there will be an increased bite on the tubing and it will become more difficult to pull out.
 - 3) When the removed tubing is reused, first cut off the section of the tubing which has been clamped.
Reusing the clamped portion of the tubing can cause problems such as leakage, difficulties in removal, etc.
In addition, for tubing used at a high temperature or for an extended period of time, there is a possibility that it will not fit into an one-touch fitting again due to an enlarged O.D. dispose of the tubing and replace it with a new one.



Series KQG

Specific Product Precautions 2

Be sure to read before handling. Refer to page 4 for safety instructions.

Operating Environment

Warning

1. Do not use in environments or locations where there is a danger of damage to the fittings and tubing.
For fitting and tubing materials, refer to specifications and construction drawings, etc.
2. Do not operate in locations where vibration or impact occurs because this can cause leakage, damage to fittings, etc.
Please contact SMC regarding use in these environments.

Maintenance

Caution

1. Pre-maintenance inspection
When the product is removed, turn off the power, cut off the supply pressure, and confirm that fluid in the piping has been discharged.
2. During regular maintenance, check for the following and replace any components as necessary.
 - a) Scratches, gouges, abrasion, corrosion
 - b) Leakage
 - c) Flattening or distortion of tubing
 - d) Hardening, deterioration or softness of tubing
3. Do not repair the fittings or patch the tubing for reuse.

Precautions on Use of Other Tubing Brands

Caution

1. Our product warranty is not valid if tubing brands other than from SMC are used.

SMC Corporation

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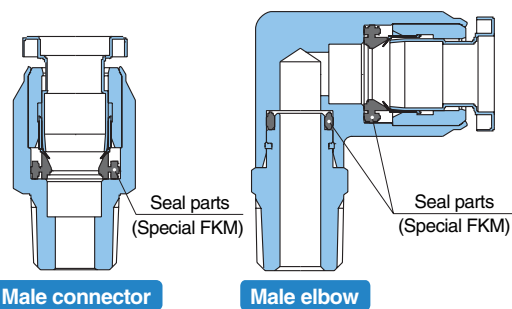
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D-DN

1st printing IU printing IU 120DN Printed in Japan.

This catalog is printed on recycled paper with concern for the global environment.

All Stainless steel 316 except seal parts



Specifications

Operating fluid	Air, Water, Steam <small>Note 1)</small>
Operating pressure range <small>Note 2)</small>	-14.5 to 145psi (-100kPa to 1.0MPa)
Proof pressure	435psi (3.0MPa)
Ambient and fluid temperature <small>Note 3)</small>	23 to 302°F (-5 to 150°C) (With no freezing)
Operating	Non-grease/Non-Lubricated
Sealant (Thread portion)	With sealant

Note1) Standard seal (special FKM compound) is suitable for steam use.

Note2) KQG fittings are not recommended for vacuum retention, such as leakage testers, because zero leakage is not guaranteed.

Note3) 248°F (120°C) for extended periods of time, use of an inner tube support sleeve is recommended.

Applicable tube

Tube material <small>Note4)</small>	FEP, PFA, Nylon, Soft nylon Polyurethane, Polyolefin	
Tube O. D.	Inch	ø5/32", ø1/4", ø5/16", ø3/8", ø1/2"
	Metric	ø4, ø6, ø8, ø10, ø12

Note 4) When using polyurethane tubing in dynamic applications, use of an inner tube support sleeve is recommended.

Tube size	Tube model										Applicable inner sleeve	
	TU	TIUB	TUS	T	TIA	TH	TIH	TL	TIL	Model	Length	
0402	●	—	—	—	—	●	—	—	—	TJ-0402	18	
0425	●	—	—	—	—	●	—	—	—	TJ-0425	18	
0403	●	—	—	—	—	●	—	—	—	TJ-0403	18	
0604	●	—	—	—	—	●	—	—	—	TJ-0604	19	
0645	●	—	—	—	—	●	—	—	—	—	—	
0805	●	—	—	—	—	●	—	—	—	TJ-0805	20.5	
0806	●	—	—	—	—	●	—	—	—	TJ-0806	20.5	
1065	●	—	—	—	—	●	—	—	—	TJ-1065	23	
1075	●	—	—	—	—	●	—	—	—	TJ-1075	23	
1008	●	—	—	—	—	●	—	—	—	TJ-1208	24	
1208	●	—	—	—	—	●	—	—	—	—	—	
1209	●	—	—	—	—	●	—	—	—	TJ-1209	24	
1210	●	—	—	—	—	●	—	—	—	TJ-1210	24	
05	—	●	—	—	—	—	—	—	—	—	—	
07	—	●	—	—	—	—	—	—	—	—	—	
11	—	●	—	—	—	—	—	—	—	—	—	
13	—	●	—	—	—	—	—	—	—	—	—	

Note) Inner sleeve is not available for inch sizes.

Locations in North America

- Atlanta
 - Indianapolis [M]
 - Richmond
 - Austin
 - Los Angeles [M]
 - Rochester
 - Boston
 - Milwaukee
 - San Francisco
 - Charlotte
 - Minneapolis
 - St. Louis
 - Chicago
 - Montreal
 - Tampa
 - Cincinnati
 - Nashville
 - Toronto [M]
 - Cleveland
 - New Jersey
 - Vancouver
 - Dallas
 - Phoenix
 - Windsor
 - Detroit
 - Portland
- [M] = Manufacturing

Locations Worldwide!

The Americas

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- Bolivia
- Brazil
- Canada
- Chile
- Mexico
- U.S.A.
- Venezuela

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- Bulgaria
- Croatia
- Czech
- Denmark
- Estonia
- Finland
- France
- Germany
- Hungary
- Ireland
- Italy
- Latvia
- Netherlands
- Norway
- Poland
- Romania
- Russia
- Slovakia
- Slovenia
- Sweden
- Spain/Portugal
- Switzerland
- U.K.

Asia

- China
- Hong Kong
- India
- Japan
- Malaysia
- Philippines
- South Korea
- Singapore
- Taiwan
- Thailand

Oceania

- Australia
- New Zealand



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SEP05-JBS25M-LA



SUS316

Stainless steel 316

One-touch Fittings

Series KQG



Superior Resistance to Heat and Chemicals

SUS316 Stainless Steel

One-touch Fittings



KQGT Branch Tee (Male Branch Tee)



Applicable tube O.D. inch	Port size NPT	Model KQGT	Applicable tube O.D. mm	Port size R	Model KQGT
5/32	10-32UNF	KQGT03-32	4	M5	KQGT04-M5
	1/8	KQGT03-N01S		1/8	KQGT04-01S
1/4	10-32UNF	KQGT07-32	6	M5	KQGT06-M5
	1/8	KQGT07-N01S		1/8	KQGT06-01S
	1/4	KQGT07-N02S		1/4	KQGT06-02S
5/16	1/8	KQGT09-N01S	8	1/8	KQGT08-01S
	1/4	KQGT09-N02S		1/4	KQGT08-02S
	3/8	KQGT09-N03S		3/8	KQGT08-03S
3/8	1/4	KQGT11-N02S	10	1/4	KQGT10-02S
	3/8	KQGT11-N03S		3/8	KQGT10-03S
1/2	3/8	KQGT13-N03S	12	3/8	KQGT12-03S
	1/2	KQGT13-N04S		1/2	KQGT12-04S

KQGS Internal Hexagon Socket Head Male Connector



Applicable tube O.D. inch	Port size NPT	Model KQGS	Applicable tube O.D. mm	Port size R	Model KQGS
5/32	10-32UNF	KQGS03-32	4	M5	KQGS04-M5
	1/8	KQGS03-N01S		1/8	KQGS04-01S
1/4	10-32UNF	KQGS07-32	6	M5	KQGS06-M5
	1/8	KQGS07-N01S		1/8	KQGS06-01S
	1/4	KQGS07-N02S		1/4	KQGS06-02S
5/16	1/8	KQGS09-N01S	8	1/8	KQGS08-01S
	1/4	KQGS09-N02S		1/4	KQGS08-02S
	3/8	KQGS09-N03S		3/8	KQGS08-03S
3/8	1/4	KQGS11-N02S	10	1/4	KQGS10-02S
	3/8	KQGS11-N03S		3/8	KQGS10-03S
1/2	3/8	KQGS13-N03S	12	3/8	KQGS12-03S
	1/2	KQGS13-N04S		1/2	KQGS12-04S

KQGH Straight Union



Applicable tube O.D. inch	Model KQGH	Applicable tube O.D. mm	Model KQGH
5/32	KQGH03-00	4	KQGH04-00
1/4	KQGH07-00	6	KQGH06-00
5/16	KQGH09-00	8	KQGH08-00
3/8	KQGH11-00	10	KQGH10-00
1/2	KQGH13-00	12	KQGH12-00

KQGT Union Tee



Applicable tube O.D. inch	Model KQGT	Applicable tube O.D. mm	Model KQGT
5/32	KQGT03-00	4	KQGT04-00
1/4	KQGT07-00	6	KQGT06-00
5/16	KQGT09-00	8	KQGT08-00
3/8	KQGT11-00	10	KQGT10-00
1/2	KQGT13-00	12	KQGT12-00

KQGL Union Elbow



Applicable tube O.D. inch	Model KQGL	Applicable tube O.D. mm	Model KQGL
5/32	KQGL03-00	4	KQGL04-00
1/4	KQGL07-00	6	KQGL06-00
5/16	KQGL09-00	8	KQGL08-00
3/8	KQGL11-00	10	KQGL10-00
1/2	KQGL13-00	12	KQGL12-00

KQGU Branch "Y"



Applicable tube O.D. inch	Model KQGU	Applicable tube O.D. mm	Model KQGU
5/32	KQGU03-00	4	KQGU04-00
1/4	KQGU07-00	6	KQGU06-00
5/16	KQGU09-00	8	KQGU08-00
3/8	KQGU11-00	10	KQGU10-00
1/2	KQGU13-00	12	KQGU12-00

KQGH Male Connector



Applicable tube O.D. inch	Port size NPT	Model	Applicable tube O.D. mm	Port size R	Model
		KQGH			KQGH
5/32	10-32UNF	KQGH03-32	4	M5	KQGH04-M5
	1/8	KQGH03-N01S		1/8	KQGH04-01S
1/4	10-32UNF	KQGH07-32	6	M5	KQGH06-M5
	1/8	KQGH07-N01S		1/8	KQGH06-01S
	1/4	KQGH07-N02S		1/4	KQGH06-02S
5/16	1/8	KQGH09-N01S	8	1/8	KQGH08-01S
	1/4	KQGH09-N02S		1/4	KQGH08-02S
	3/8	KQGH09-N03S		3/8	KQGH08-03S
3/8	1/4	KQGH11-N02S	10	1/4	KQGH10-02S
	3/8	KQGH11-N03S		3/8	KQGH10-03S
1/2	3/8	KQGH13-N03S	12	3/8	KQGH12-03S
	1/2	KQGH13-N04S		1/2	KQGH12-04S

KQGE Bulkhead Union



Applicable tube O.D. inch	Model KQGE	Applicable tube O.D. mm	Model KQGE
5/32	KQGE03-00	4	KQGE04-00
1/4	KQGE07-00	6	KQGE06-00
5/16	KQGE09-00	8	KQGE08-00
3/8	KQGE11-00	10	KQGE10-00
1/2	KQGE13-00	12	KQGE12-00

KQGL Male Elbow



Applicable tube O.D. inch	Port size NPT	Model	Applicable tube O.D. mm	Port size R	Model
		KQGL			KQGL
5/32	10-32UNF	KQGL03-32	4	M5	KQGL04-M5
	1/8	KQGL03-N01S		1/8	KQGL04-01S
1/4	10-32UNF	KQGL07-32	6	M5	KQGL06-M5
	1/8	KQGL07-N01S		1/8	KQGL06-01S
	1/4	KQGL07-N02S		1/4	KQGL06-02S
5/16	1/8	KQGL09-N01S	8	1/8	KQGL08-01S
	1/4	KQGL09-N02S		1/4	KQGL08-02S
	3/8	KQGL09-N03S		3/8	KQGL08-03S
3/8	1/4	KQGL11-N02S	10	1/4	KQGL10-02S
	3/8	KQGL11-N03S		3/8	KQGL10-03S
1/2	3/8	KQGL13-N03S	12	3/8	KQGL12-03S
	1/2	KQGL13-N04S		1/2	KQGL12-04S