

Stainless Steel 316 One-touch Fittings

Applicable Tube: Inch Size, Connection Thread: UNF, NPT

Series **KQG2**

RoHS



Applicable Tube

Tube material	FEP, PFA, Nylon, Soft nylon ^{Note 1)} , Polyurethane, Polyolefin
Tube O.D.	ø1/8", ø5/32", ø1/4", ø5/16", ø3/8", ø1/2"

Specifications

Fluid	Air, Water, Steam ^{Note 2)} ^{Note 3)}
Operating pressure range ^{Note 4)}	-100 kPa to 1 MPa ^{Note 5)}
Proof pressure	3.0 MPa
Ambient and fluid temperature ^{Note 6)}	-5 to 150°C (No freezing) ^{Note 5)}
Lubricant	Grease-free specification
Seal on the threads	With sealant

Note 1) For soft nylon tube, water cannot be used.

Note 2) Consult with SMC regarding applicable tube separately.

Note 3) Using special FKM that is resistant even when steam is used.

Note 4) Avoid using in a vacuum holding application such as a leak tester, since there is leakage.

Note 5) Check the operating pressure range and operating temperature range of the tube.

Note 6) It is recommended that you use the inner sleeve in the following conditions (Except ø1/8"):

- When using in an environment where the fluid temperature changes drastically.
- When using at a high temperature.

* Temperature Condition of Mounting the Inner Sleeve

Tube	Temperature
FEP tube/TH series	80°C or more
PFA tube/TL series	120°C or more

Spare Parts

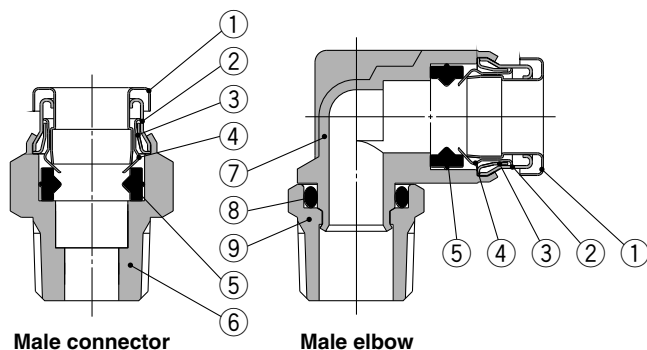
Description	Tube O.D.	Part no.	Material
Gasket	—	M-5G3	Stainless steel 316, Special FKM
Bulkhead nut	ø1/8", ø5/32"	KQG201-P01	Stainless steel 316
	ø1/4"	KQG207-P01	
	ø5/16"	KQG209-P01	
	ø3/8"	KQG211-P01	
	ø1/2"	KQG213-P01	

Cross Reference Table of the Inner Sleeve

Tube O.D.	Tube material		Applicable inner sleeve	
	TH/THI (FEP)	TL/TIL (PFA)	Part no.	Length
ø5/32"	TH0402	—	TJG-0402	18
	TH0425	—	TJG-0425	18
	—	TL0403	TJG-0403	18
ø1/4"	TIHB07	TIL07	TJG-0604	19
	TIHA07	—	TJG-0746	19
ø5/16"	TH0806	TL0806	TJG-0806	20.5
ø3/8"	TIHB11	TIL11	TJG-1065	23
	TIHA11	—	TJG-1107	23
ø1/2"	TIH13	TIL13	TJG-1395	24

* Stainless steel 316 is used for the TJG series.

Construction



Component Parts

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

Series KQG2

Applicable Tube: Inch Size, Connection Thread: UNF, NPT

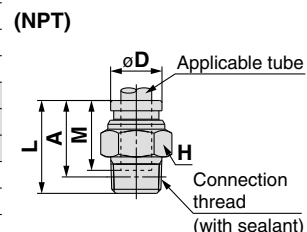
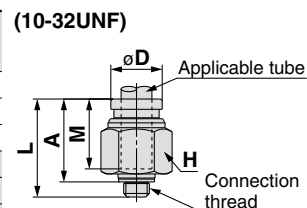
Dimensions

Male Connector: KQG2H



Applicable tube O.D. (inch)	Connection thread UNF, NPT	Model	H (Width across flat)	Note 1) ϕD	L	A*	M	Note 2) Effective area (mm ²)	Weight (g)
$\phi 1/8"$	10-32UNF	KQG2H01-32	8	8	16.5	13.5	12	3	3.3
	1/8	KQG2H01-N01S	12		17.1	13.9		3.4	8.1
	1/4	KQG2H01-N02S	14		20.9	16.5		3.4	16.9
$\phi 5/32"$	10-32UNF	KQG2H03-32	10	8.7	17.1	14.1	12.6	4	5
	1/8	KQG2H03-N01S	12		17	13.8		5.6	7.6
	1/4	KQG2H03-N02S	14		20.9	16.5		5.6	16.4
$\phi 1/4"$	10-32UNF	KQG2H07-32	12	11.2	19	16	13.5	4	7.5
	1/8	KQG2H07-N01S	12		20	16.8		13.1	8.6
	1/4	KQG2H07-N02S	14		20.6	16.2			14.2
	3/8	KQG2H07-N03S	19		23.8	19.1			31.4
$\phi 5/16"$	1/8	KQG2H09-N01S	14	13.4	24.2	21	16.1		26.1
	1/4	KQG2H09-N02S	14		23.1	18.7		13.9	
	3/8	KQG2H09-N03S	19		24.6	19.9		28.9	
$\phi 3/8"$	1/8	KQG2H11-N01S	17	16	25	21.8	16.6	26.1	19.4
	1/4	KQG2H11-N02S	17		26.3	21.9		20.3	
	3/8	KQG2H11-N03S	19		23.6	18.9		41.5	25.2
	1/2	KQG2H11-N04S	22		28.3	21.9		51.8	
$\phi 1/2"$	1/4	KQG2H13-N02S	22	19.3	30.5	26.1	18.5	58.3	36.7
	3/8	KQG2H13-N03S	22		28.4	23.7		34.4	
	1/2	KQG2H13-N04S	22		22	22		43.4	

* Reference dimensions after installation of NPT thread
 Note 1) ϕD is maximum diameter.
 Note 2) Value of FEP tube.

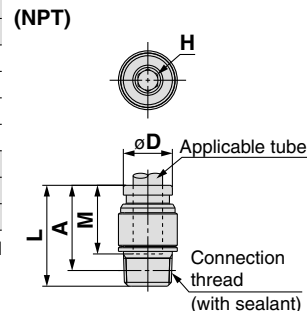
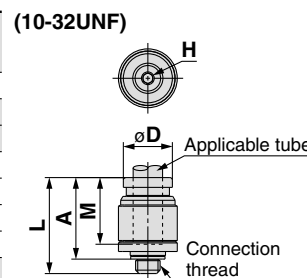


Hexagon Socket Head Male Connector: KQG2S



Applicable tube O.D. (inch)	Connection thread UNF, NPT	Model	H (Width across flat)	Note 1) ϕD	L	A*	M	Note 2) Effective area (mm ²)	Weight (g)	
$\phi 1/8"$	10-32UNF	KQG2S01-32	2	9	16.5	13.5	12	3	3.8	
$\phi 5/32"$	10-32UNF	KQG2S03-32	2	9	17.1	14.1	12.6	4	3.7	
	1/8	KQG2S03-N01S	2.78	11	19.6	16.4		4.1	8.5	
$\phi 1/4"$	10-32UNF	KQG2S07-32	2	12	19.5	16.5	13.5	4	7.2	
	1/8	KQG2S07-N01S	4.76		14	20.5		17.3	10	8.1
	1/4	KQG2S07-N02S	4.76		14	20.5		16.1	10.7	13.4
	3/8	KQG2S07-N03S	4.76		18	20.5		15.8	10.7	22.6
$\phi 5/16"$	1/8	KQG2S09-N01S	5.56	14	24.7	21.5	16.1	17.2	12	
	1/4	KQG2S09-N02S	6.35		23.1	18.7		23.3	12.8	
	3/8	KQG2S09-N03S	6.35		18	23.1		18.4	23.3	23.5
$\phi 3/8"$	1/8	KQG2S11-N01S	5.56	17	25.2	22	16.6	17.2	17.8	
	1/4	KQG2S11-N02S	6.35		27.1	22.7		39	21.2	
	3/8	KQG2S11-N03S	6.35		18	23.6		18.9	39	23.8
	1/2	KQG2S11-N04S	6.35		22	23.6		17.2	39	38.6
$\phi 1/2"$	1/4	KQG2S13-N02S	8	20	30.5	26.1	18.5	46	26.6	
	3/8	KQG2S13-N03S	9.53		29.4	24.7		60	29	
	1/2	KQG2S13-N04S	9.53		22	25.5		19.1	60	34.8

* Reference dimensions after installation of NPT thread
 Note 1) ϕD is maximum diameter.
 Note 2) Value of FEP tube.

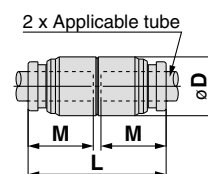


Straight Union: KQG2H



Applicable tube O.D. (inch)	Model	ϕD Note 1)	L	M	Note 2) Effective area (mm ²)	Weight (g)
$\phi 1/8"$	KQG2H01-00	9	25	12	3.4	6.5
$\phi 5/32"$	KQG2H03-00	9	26.2	12.6	5.6	6.5
$\phi 1/4"$	KQG2H07-00	12	28	13.5	13.1	11
$\phi 5/16"$	KQG2H09-00	14	33.2	16.1	26.1	16.6
$\phi 3/8"$	KQG2H11-00	16	34.2	16.6	41.5	22.7
$\phi 1/2"$	KQG2H13-00	20	38	18.5	58.3	35.5

Note 1) ϕD is maximum diameter.
 Note 2) Value of FEP tube.



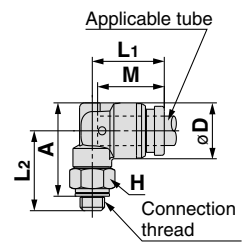
Dimensions

Male Elbow: KQG2L

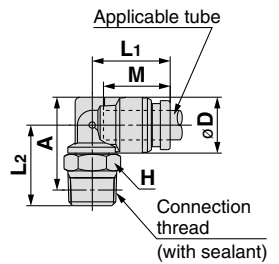
Applicable tube O.D. (inch)	Connection thread UNF, NPT	Model	H (Width across flat)	Note 1) ϕD	L1	L2	A*	M	Note 2) Effective area (mm ²)	Weight (g)	
$\phi 1/8"$	10-32UNF	KQG2L01-32	8	8.3	13.1	14.8	16	12	2.6	6.3	
	1/8	KQG2L01-N01S	12		13.6	14.9	15.8		3	9	
	1/4	KQG2L01-N02S	14		18.7	18.4	16.7				
$\phi 5/32"$	10-32UNF	KQG2L03-32	8	9.1	13.7	15.2	16.8	12.6	3.5	6.9	
	1/8	KQG2L03-N01S	12		14.4	15.3	16.6		4.2	9.9	
	1/4	KQG2L03-N02S	14		19.1	19.2	17.6				
$\phi 1/4"$	10-32UNF	KQG2L07-32	8	11.7	14.7	16.5	19.3	13.5	3.5	8.9	
	1/8	KQG2L07-N01S	12		15.9	16.6	19.2		11.4	11.7	
	1/4	KQG2L07-N02S	14			20.4	21.8			19.4	
	3/8	KQG2L07-N03S	19			22.2	23.3			34.2	
$\phi 5/16"$	1/8	KQG2L09-N01S	12	13.7	18.6	18.3	21.9	16.1	21.6	15.1	
	1/4	KQG2L09-N02S	14		19.1	21.5	23.9		21.6	21.1	
	3/8	KQG2L09-N03S	19		23.3	25.4	35.7				
$\phi 3/8"$	1/8	KQG2L11-N01S	12	16	20	19.4	24.2	16.6	21.6	19.7	
	1/4	KQG2L11-N02S	14		21	22.6	26.2		35.2	23.2	36.7
	3/8	KQG2L11-N03S	19			24.4	27.7			60.2	
$\phi 1/2"$	1/4	KQG2L13-N02S	14	19.6	22.7	24.4	29.8	18.5	50.2	29.4	
	3/8	KQG2L13-N03S	19		23.7	26.1	31.2		39.2		
	1/2	KQG2L13-N04S	22		29.9	33.3	61.3				

* Reference dimensions after installation of NPT thread
Note 1) ϕD is maximum diameter.
Note 2) Value of FEP tube.

(10-32UNF)



(NPT)

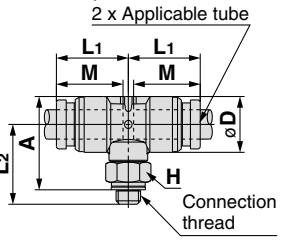


Male Branch Tee: KQG2T

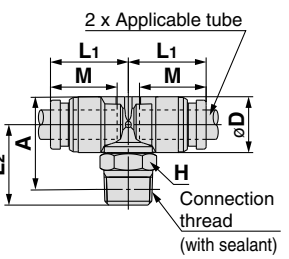
Applicable tube O.D. (inch)	Connection thread UNF, NPT	Model	H (Width across flat)	Note 1) ϕD	L1	L2	A*	M	Note 2) Effective area (mm ²)	Weight (g)
$\phi 1/8"$	10-32UNF	KQG2T01-32	8	8.3	13.1	14.8	16	12	3.2	8.1
	1/8	KQG2T01-N01S	12		13.6	14.9	15.8		3.4	10.8
	1/4	KQG2T01-N02S	14		18.7	18.4	18.5			
$\phi 5/32"$	10-32UNF	KQG2T03-32	8	9.1	13.7	15.2	16.8	12.6	4.5	9
	1/8	KQG2T03-N01S	12		14.4	15.3	16.6		6	11.8
	1/4	KQG2T03-N02S	14		19.1	19.2	19.5			
$\phi 1/4"$	10-32UNF	KQG2T07-32	8	11.7	14.7	16.5	19.3	13.5	4.5	12.1
	1/8	KQG2T07-N01S	12		15.9	16.6	19.2		13.9	15.1
	1/4	KQG2T07-N02S	14			20.4	21.8			22.8
	3/8	KQG2T07-N03S	19			22.2	23.3			37.7
$\phi 5/16"$	1/8	KQG2T09-N01S	12	13.7	18.6	18.3	21.9	16.1	26.3	20.4
	1/4	KQG2T09-N02S	14		19.1	21.5	23.9		26.3	26.3
	3/8	KQG2T09-N03S	19		23.3	25.4	41			
$\phi 3/8"$	1/8	KQG2T11-N01S	12	16	20	19.4	24.2	16.6	40.8	27.3
	1/4	KQG2T11-N02S	14		21	22.6	26.2		40.8	30.5
	3/8	KQG2T11-N03S	19			24.4	27.7			44
$\phi 1/2"$	1/4	KQG2T13-N02S	14	19.6	22.7	24.4	29.8	18.5	57.2	41.1
	3/8	KQG2T13-N03S	19		23.7	26.1	31.2		50.2	50.2
	1/2	KQG2T13-N04S	22		29.9	33.3	72.3			

* Reference dimensions after installation of NPT thread
Note 1) ϕD is maximum diameter.
Note 2) Value of FEP tube.

(10-32UNF)



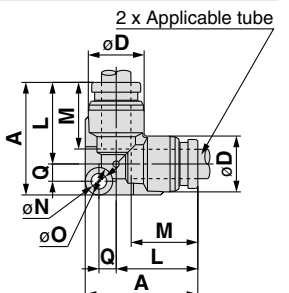
(NPT)



Union Elbow: KQG2L

Applicable tube O.D. (inch)	Model	Note 1) ϕD	L	A	Q	M	ϕN	ϕO	Note 2) Effective area (mm ²)	Weight (g)
$\phi 1/8"$	KQG2L01-00	8.3	13.6	19.3	2.9	12	3.2	5.6	3	6.3
$\phi 5/32"$	KQG2L03-00	9.1	14.6	20.5	3.1	12.6	3.2	5.6	4.2	7.4
$\phi 1/4"$	KQG2L07-00	11.7	16.7	23.2	3.7	13.5	3.2	5.6	11.4	11.5
$\phi 5/16"$	KQG2L09-00	13.7	20.1	29.1	5	16.1	4.2	8	21.6	20.2
$\phi 3/8"$	KQG2L11-00	16	21.4	31.1	5.7	16.6	4.2	8	35.2	28.2
$\phi 1/2"$	KQG2L13-00	19.6	24.9	35.3	6.4	18.5	4.2	8	50.2	41.7

Note 1) ϕD is maximum diameter.
Note 2) Value of FEP tube.



Series KQG2

Applicable Tube: Inch Size, Connection Thread: UNF, NPT

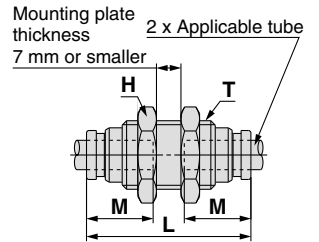
Dimensions

Bulkhead Union: KQG2E



Applicable tube O.D. (inch)	Model	T (UNF)	H (Width across flat)	L	Mounting hole	M	Note 2) Effective area (mm ²)	Weight (g)
ø1/8"	KQG2E01-00	7/16-20UNF	14	34.2	12.5	12	3.4	20.7
ø5/32"	KQG2E03-00	7/16-20UNF	14	34.4	12.5	12.6	5.6	20.5
ø1/4"	KQG2E07-00	1/2-20UNF	17	35.4	14	13.5	13.1	28
ø5/16"	KQG2E09-00	5/8-18UNF	19	39.6	17	16.1	26.1	39.5
ø3/8"	KQG2E11-00	3/4-16UNF	22	40.4	20.5	16.6	41.5	57.3
ø1/2"	KQG2E13-00	7/8-14UNF	26	44.4	23.5	18.5	58.3	83.2

Note) Value of FEP tube.

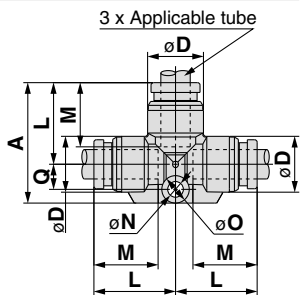


Union Tee: KQG2T



Applicable tube O.D. (inch)	Model	Note 1) øD	L	A	Q	M	øN	øO	Note 2) Effective area (mm ²)	Weight (g)
ø1/8"	KQG2T01-00	8.3	13.6	20.5	4.1	12	3.2	5.6	3.4	7.9
ø5/32"	KQG2T03-00	9.1	14.6	21.8	4.4	12.6	3.2	5.6	6.4	9.5
ø1/4"	KQG2T07-00	11.7	16.7	24.7	5.2	13.5	3.2	5.6	13.4	14.7
ø5/16"	KQG2T09-00	13.7	20.1	31.1	7	16.1	4.2	8	25.6	24.4
ø3/8"	KQG2T11-00	16	21.4	33.4	8	16.6	4.2	8	40	34.7
ø1/2"	KQG2T13-00	19.6	24.9	37.9	9	18.5	4.2	8	57.4	52.3

Note 1) øD is maximum diameter.
Note 2) Value of FEP tube.

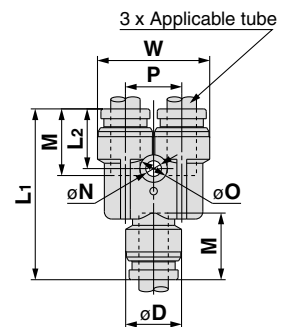


Union "Y": KQG2U



Applicable tube O.D. (inch)	Model	Note 1) øD	W	L1	L2	P	M	øN	øO	Note 2) Effective area (mm ²)	Weight (g)
ø1/8"	KQG2U01-00	8.3	16.4	29	11	8.1	12	3.2	5.6	3.4	9.2
ø5/32"	KQG2U03-00	9.1	18.2	30.4	11.3	9.1	12.6	3.2	5.6	4.2	11.1
ø1/4"	KQG2U07-00	11.7	23.9	34.5	12.1	12.2	13.5	3.2	5.6	13.4	19.6
ø5/16"	KQG2U09-00	13.7	28.3	40.1	14.1	14.6	16.1	4.2	8	25.6	29.7
ø3/8"	KQG2U11-00	16	33.2	42.2	14	17.2	16.6	4.2	8	40	43.1
ø1/2"	KQG2U13-00	19.6	40.2	47.3	15.8	20.6	18.5	4.2	8	57.4	66.4

Note 1) øD is maximum diameter.
Note 2) Value of FEP tube.

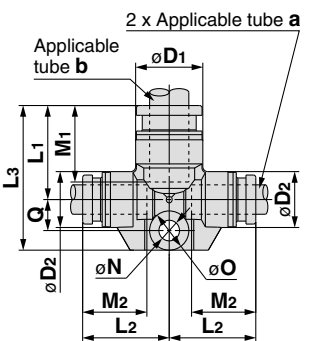


Different Diameter Tee: KQG2T



Applicable tube O.D. (inch)	Model	Note 1) øD1	Note 1) øD2	L1	L2	L3	Q	M1	M2	øN	øO	Note 2) Effective area (mm ²)	Weight (g)
ø1/8" ø5/32"	KQG2T01-03	9.1	8.3	14.2	14.1	21.1	4.1	12.6	12	3.2	5.6	3.8	8.5
ø5/32" ø1/4"	KQG2T03-07	11.7	9.1	15.5	15.9	22.7	4.4	13.5	12.6	3.2	5.6	7.1	11.7
ø1/4" ø5/16"	KQG2T07-09	13.7	11.7	19.3	17.6	29.6	6.3	16.1	13.5	4.2	8	16.4	20.2
ø5/16" ø3/8"	KQG2T09-11	16	13.7	20.6	21	31.7	7.1	16.6	16.1	4.2	8	36	28.9
ø3/8" ø1/2"	KQG2T11-13	19.6	16	23.3	23	35.4	8.1	18.5	16.6	4.2	8	56	41.8

Note 1) øD1, øD2 are maximum diameters.
Note 2) Value of FEP tube.

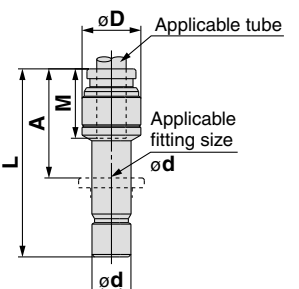


Plug-in Reducer: KQG2R



Applicable tube O.D. (inch)	Applicable fitting size ød	Model	Note 1) øD	L	A	M	Note 2) Effective area (mm ²)	Weight (g)
ø1/8"	ø5/32"	KQG2R01-03	9	32.9	20.3	12	3.4	4.7
ø5/32"	ø1/4"	KQG2R03-07	9	33.7	20.2	12.6	5.6	7.1
ø1/4"	ø5/16"	KQG2R07-09	12	38.4	22.3	13.5	13.1	11.9
ø5/16"	ø3/8"	KQG2R09-11	14	41.6	25	16.1	26.1	16.8
ø3/8"	ø1/2"	KQG2R11-13	17	39.8	21.3	16.6	41.5	23.5

Note 1) øD is maximum diameter.
Note 2) Value of FEP tube.

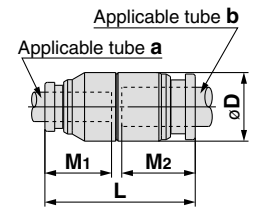


Dimensions

Different Diameter Straight: KQG2H



Applicable tube O.D. (inch)		Model	øD Note 1)	L	M1	M2	Note 2) Effective area (mm ²)	Weight (g)
a	b							
ø1/8"	ø5/32"	KQG2H01-03	9	25.6	12	12.6	3.4	6.5
ø5/32"	ø1/4"	KQG2H03-07	12	27.1	12.6	13.5	5.6	11.3
ø1/4"	ø5/16"	KQG2H07-09	14	30.6	13.5	16.1	13.1	16.1
ø5/16"	ø3/8"	KQG2H09-11	16	33.7	16.1	16.6	26.1	22.8
ø3/8"	ø1/2"	KQG2H11-13	20	36.1	16.6	18.5	41.5	37.1

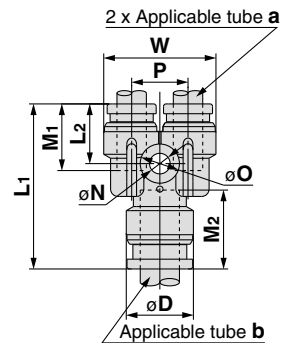


Note 1) øD is maximum diameter.
Note 2) Value of FEP tube.

Different Diameter Union "Y": KQG2U



Applicable tube O.D. (inch)		Model	Note 1) øD	L1	L2	P	W	M1	M2	øN	øO	Note 2) Effective area (mm ²)	Weight (g)
a	b												
ø1/8"	ø5/32"	KQG2U01-03	9.1	27	10.8	8.1	16.4	12	12.6	3.2	5.6	3.2	8.5
ø5/32"	ø1/4"	KQG2U03-07	11.7	28.8	11.4	9.1	18.2	12.6	13.5	3.2	5.6	4.2	11.8
ø1/4"	ø5/16"	KQG2U07-09	13.7	33.8	12	12.2	23.9	13.5	16.1	4.2	8	13.4	20
ø5/16"	ø3/8"	KQG2U09-11	16	38.3	13.8	14.6	28.3	16.1	16.6	4.2	8	25.6	31
ø3/8"	ø1/2"	KQG2U11-13	19.6	40.5	13.7	17.2	33.2	16.6	18.5	4.2	8	40	45

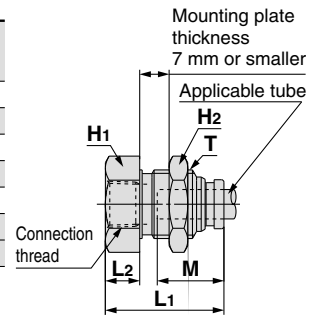


Note 1) øD is maximum diameter.
Note 2) Value of FEP tube.

Bulkhead Connector: KQG2E



Applicable tube O.D. (inch)	Connection thread NPT	Model	T (UNF)	Width across flat		L1	L2	Mounting hole	M	Note) Effective area (mm ²)	Weight (g)
				H1	H2						
ø1/8"	1/4	KQG2E01-N02	7/16-20UNF	17	14	32.8	15.3	12.5	12	3.4	30.6
ø5/32"	1/4	KQG2E03-N02	7/16-20UNF	17	14	32.6	15.3	12.5	12.6	5.6	30.1
ø1/4"	1/4	KQG2E07-N02	1/2-20UNF	17	17	32.7	14.8	14	13.5	13.1	32.6
ø5/16"	3/8	KQG2E09-N03	5/8-18UNF	19	19	35	15.1	17	16.1	26.1	38.2
ø3/8"	3/8	KQG2E11-N03	3/4-16UNF	21	22	33.8	13.3	20.5	16.6	41.5	51.7
ø1/2"	3/8	KQG2E13-N03	7/8-14UNF	24	26	34.6	12.3	23.5	18.5	58.3	73.2
	1/2	KQG2E13-N04									

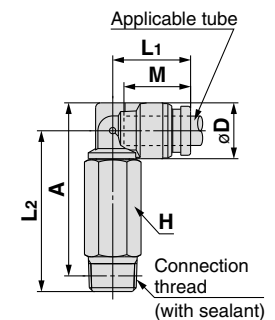


Note) Value of FEP tube.

Extended Male Elbow: KQG2W



Applicable tube O.D. (inch)	Connection thread NPT	Model	H (Width across flat)	Note 1) øD	L1	L2	A*	M	Note 2) Effective area (mm ²)	Weight (g)
	1/4	KQG2W01-N02S	14	35.4	35.1	34.4				
ø5/32"	1/8	KQG2W03-N01S	12	9.1	14.4	32	33.3	12.6	4	22.4
		1/4	KQG2W03-N02S			14	35.8			35.9
ø1/4"	1/8	KQG2W07-N01S	12	11.7	15.9	33.3	35.9	13.5	10.9	24.1
	1/4	KQG2W07-N02S	14			37.1	38.5			37
	3/8	KQG2W07-N03S	19			38.9	40			70.9
	1/8	KQG2W09-N01S	12			13.7	18.6			34.7
1/4	KQG2W09-N02S	14	40.2	42.6	38.7					
3/8	KQG2W09-N03S	19	42	44.1	74.7					
ø5/16"	1/4	KQG2W11-N02S	14	16	21	47.2	50.8	16.6	33.5	41.8
	3/8	KQG2W11-N03S	19			45.4	48.7			75.2
	1/2	KQG2W11-N04S	22			49.2	50.8			116.5
ø1/2"	1/4	KQG2W13-N02S	14	19.6	23.7	22.7	49	18.5	47.7	47.9
	3/8	KQG2W13-N03S	19			50.7	55.8			75.3
	1/2	KQG2W13-N04S	22			54.5	57.9			118.3



* Reference dimensions after installation of NPT thread
Note 1) øD is maximum diameter.
Note 2) Value of FEP tube.

Metric Size **KQG2**

Inch Size **KQG2**

Specific Product Precautions **KQG2**

Metric Size **KFG2**

Inch Size **KFG2**

Specific Product Precautions **KFG2**

Applicable Fluid List

Series KQG2

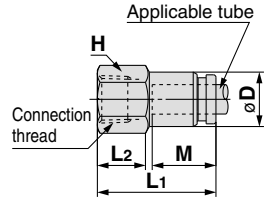
Applicable Tube: Inch Size, Connection Thread: UNF, NPT

Dimensions

Female Connector: KQG2F



Applicable tube O.D. (inch)	Connection thread NPT	Model	H (Width across flat)	Note 1) ϕD	L1	L2	M	Note 2) Effective area (mm ²)	Weight (g)
$\phi 1/8$ "	1/8	KQG2F01-N01	12	8	24.1	10.4	12	3.4	9.4
	1/4	KQG2F01-N02	17		29.1	13.7			22.5
$\phi 5/32$ "	1/8	KQG2F03-N01	12	8.7	24.6	10.5	12.6	5.6	9.9
	1/4	KQG2F03-N02	17		29.6	13.8			23
$\phi 1/4$ "	1/8	KQG2F07-N01	12	11.2	25	10.7	13.5	13.1	11.1
	1/4	KQG2F07-N02	17		30	14.1			24.5
	3/8	KQG2F07-N03	19		31.2	14.6			25.5
$\phi 5/16$ "	1/8	KQG2F09-N01	14	13.4	27.2	10.3	16.1	26.1	17.3
	1/4	KQG2F09-N02	17		32.2	14.3			26.9
	3/8	KQG2F09-N03	19		33.4	14.8			28.1
$\phi 3/8$ "	1/4	KQG2F11-N02	17	16	32.1	14.4	16.6	41.5	29.7
	3/8	KQG2F11-N03	19		33.3	14.9			30.9
	1/2	KQG2F11-N04	24		38.6	18.6			49.1
$\phi 1/2$ "	3/8	KQG2F13-N03	21	19.3	34.6	14.7	18.5	58.3	43.3
	1/2	KQG2F13-N04	24		39.9	18.8			53.5



Note 1) ϕD is maximum diameter.
Note 2) Value of FEP tube.

Plug: KQG2P



Applicable fitting size ϕd	Model	ϕD	L	A	Weight (g)
$\phi 1/8$ "	KQG2P-01	5	28.9	16.9	2.7
$\phi 5/32$ "	KQG2P-03	6	29.6	17	4.1
$\phi 1/4$ "	KQG2P-07	8	30.3	16.8	8.9
$\phi 5/16$ "	KQG2P-09	10	33.7	17.6	15.5
$\phi 3/8$ "	KQG2P-11	11	34.1	17.5	21
$\phi 1/2$ "	KQG2P-13	14	36.4	17.9	38.5

