

How to Order

Clean One-touch fittings

Specifications

Symbol	Specifications (metal part materials)
Q	Brass (electroless nickel plated)
G	Stainless steel 304

Model

Symbol	Model
H	Male connector, Straight union
L	Union elbow, Male elbow
T	Male branch tee, Union tee
Y	Male run tee
U	Male branch, Union "Y"
R	Plug-in reducer

Port size/Applicable tubing O.D.

Thread connection	M5	
	M5	M5 x 0.8

Tubing (rod) connection	M5	
	M5	M5 x 0.8

Applicable tubing O.D.

Symbol	Applicable tubing O.D.
04	ø4
06	ø6
08	ø8
10	ø10
12	ø12

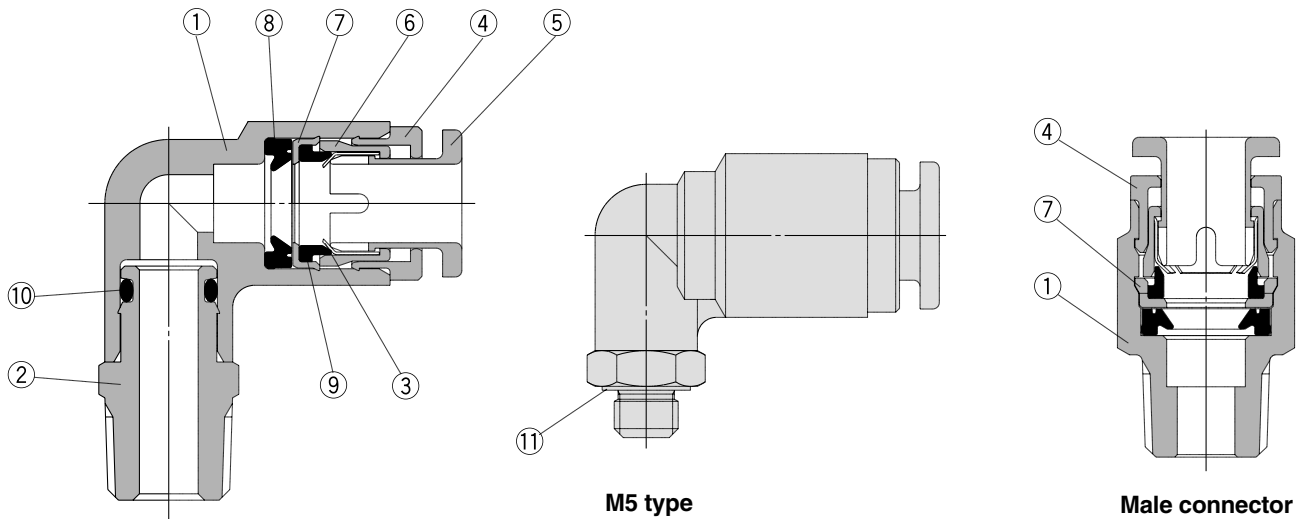
Applicable fitting size

Symbol	Applicable fitting size
04	ø4
06	ø6
08	ø8
10	ø10
12	ø12

Plug

Clean One-touch fittings

Construction



Component Parts

No.	Description	Material	
		Series KPQ	Series KPG
①	Body	Polypropylene resin	
	With male connector	Brass (electroless nickel plated)	Stainless steel 304
②	Stud	Brass (electroless nickel plated)	Stainless steel 304
③	Chuck	Stainless steel 304	
④	Guide	Brass (electroless nickel plated)	Stainless steel 304
	With male connector	Polypropylene resin	
⑤	Release button	Polypropylene resin (color: light gray)	Polypropylene resin (color: light blue)
⑥	Collet	Polypropylene resin	
⑦	Stopper	Stainless steel 304	
	With male connector	Polypropylene resin	
⑧	Seal	NBR	
⑨	Bumper	NBR	
⑩	O-ring	NBR	
⑪	Gasket	Stainless steel 304 + NBR	

Dimensions

Male Run Tee: KPQY, KPGY

(M5)

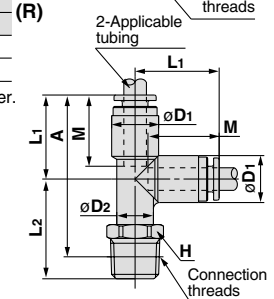
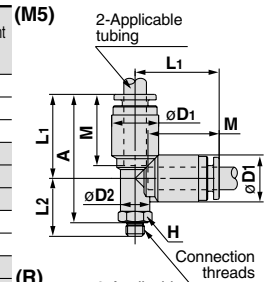


(R)



Applicable tubing O.D. mm	Connection thread R	Model		H (width across flats)	Note 1) ϕD_1	ϕD_2	L ₁	L ₂	A*	M	Effective area mm ²		Weight g
											TPH	TPS	
4	M5	KPQY04-M5	KPGY04-M5	8	10.4	8	20.7	15.3	32.5	18	4	4	6
	1/8	KPQY04-01	KPGY04-01	10		10		22	36.5				13
	1/4	KPQY04-02	KPGY04-02	14		10		26	40.5				19
6	M5	KPQY06-M5	KPGY06-M5	8	12.8	8	22.8	15.8	35	19.5	10	10	7
	1/8	KPQY06-01	KPGY06-01	10		10		23.2	40				14
	1/4	KPQY06-02	KPGY06-02	14		10		27.2	44				20
8	1/8	KPQY08-01	KPGY08-01	12	15.2	12	26.3	24.4	44.5	21.5	26	18	14
	1/4	KPQY08-02	KPGY08-02	14		12		28.4	48.5				22
10	1/4	KPQY10-02	KPGY10-02	17	18.5	17	29.4	29.9	53.5	24	41	29	29
	3/8	KPQY10-03	KPGY10-03					31.9	55				39
	3/8	KPQY12-03	KPGY12-03					33.1	58				41
12	1/2	KPQY12-04	KPGY12-04	22	20.9	17	31.4	37.1	60.5	25	58	46	68

* Reference dimension for R threads after installation Note 1) ϕD_1 indicates the maximum diameter.



K
M
H
D
MS
T
VMG

Male Branch: KPQU, KPGU

(M5)

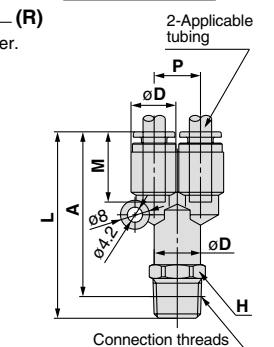
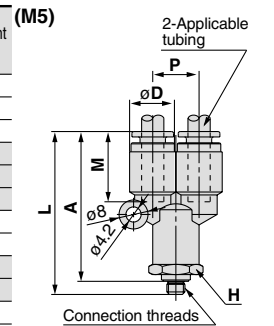


(R)



Applicable tubing O.D. mm	Connection thread R	Model		H (width across flats)	Note1) øD	L	P	A*	M	Effective area mm ²		Weight g
										TPH	TPS	
4	M5	KPQU04-M5	KPGU04-M5	11	10.4	41.7	10.4	38	18	4	4	10
	1/8	KPQU04-01	KPGU04-01			44.2		38				11
	1/4	KPQU04-02	KPGU04-02			48.2		42				20
6	M5	KPQU06-M5	KPGU06-M5	13	12.8	44.9	12.8	41.5	19.5	10	10	12
	1/8	KPQU06-01	KPGU06-01			47.4		41.5				11
	1/4	KPQU06-02	KPGU06-02			51.4		45.5				21
8	1/8	KPQU08-01	KPGU08-01	17	15.2	55.5	15.2	49.5	21.5	26	18	15
	1/4	KPQU08-02	KPGU08-02			60.6		54.5				23
	1/4	KPQU10-02	KPGU10-02			63.8		58				30
10	3/8	KPQU10-03	KPGU10-03	19	18.5	61.3	18.5	55		24	41	29
	3/8	KPQU12-03	KPGU12-03			67		60.5	40			
12	1/2	KPQU12-04	KPGU12-04	22	20.9	71.4	20.9	63.5	25	58	46	65

* Reference dimension for R threads after installation Note 1) ϕD indicates the maximum diameter.



Straight Union: KPQH, KPGH



Applicable tubing O.D. mm	Model		Note 1) ϕD	L	M	Effective area mm ²		Weight g
						TPH	TPS	
4	KPQH04-00	KPGH04-00	10.4	37.4	18	4	4	4
6	KPQH06-00	KPGH06-00	12.8	39.6	19.5	10	10	6
8	KPQH08-00	KPGH08-00	15.2	44.4	21.5	26	18	10
10	KPQH10-00	KPGH10-00	18.5	48.6	24	41	29	15
12	KPQH12-00	KPGH12-00	20.9	50.6	25	58	46	18

Note 1) ϕD indicates the maximum diameter.

