

Accessories



● Metric One-Touch Fittings Series SQ	D-3
● Two Touch Fittings Series SQ2	D-12
● Speed Controller With One-Touch Fittings Direct Connection Type Series SP	D-13
● Speed Controller / Threaded Elbow Type(Metal Version) Series SPM	D-15
● Polyurethane Tubing Series ST	D-19
● Silencer Series SN	D-20
● Floating Joint Series SF	D-22
● Auto Switch Series W1 · W2 · W3 · W4 · W5 · W6 · W7	D-25
● Mini Auto Switch Series W8 · W9	D-31
● Pressure Switch Series SPS	D-33
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Series TPC-1200	D-39

SQ

SQ2

SP

SPM

ST

SN

SF

W1~
W7

W8,9

SPS

TPC
1000

TPC
1200

Metric One-Touch Fittings

SQH



SQL



SQT



SQY



SQU



SQW



SQV



SQF



SQE



Applicable tube material	Applicable tube O.D (mm)					With Sealant
	ø4	ø6	ø8	ø10	ø12	
Nylon Soft Nylon Polyurethane	M5	●	●			●
	1/8	●	●	●	●	●
	1/4	●	●	●	●	●
	3/8	●	●	●	●	●
	1/2		●	●	●	●
	No	●	●	●	●	
Nylon Soft Nylon Polyurethane	M5	●	●			●
	1/8	●	●	●	●	●
	1/4	●	●	●	●	●
	3/8	●	●	●	●	●
	1/2		●	●	●	●
	No	●	●	●	●	
Nylon Soft Nylon Polyurethane	M5	●	●			●
	1/8	●	●	●	●	●
	1/4	●	●	●	●	●
	3/8	●	●	●	●	●
	1/2		●	●	●	●
	No	●	●	●	●	
Nylon Soft Nylon Polyurethane	M5	●	●			●
	1/8	●	●	●	●	●
	1/4	●	●	●	●	●
	3/8	●	●	●	●	●
	1/2		●	●	●	●
	No	●	●	●	●	
Nylon Soft Nylon Polyurethane	M5	●	●			●
	1/8	●	●	●	●	●
	1/4	●	●	●	●	●
	3/8	●	●	●	●	●
	1/2		●	●	●	●
	No	●	●	●	●	
Nylon Soft Nylon Polyurethane	M5	●	●			●
	1/8	●	●	●	●	●
	1/4	●	●	●	●	●
	3/8	●	●	●	●	●
	1/2		●	●	●	●
	No	●	●	●	●	
Nylon Soft Nylon Polyurethane	M5	●	●			●
	1/8	●	●	●	●	●
	1/4	●	●	●	●	●
	3/8	●	●	●	●	●
	1/2		●	●	●	●
	No	●	●	●	●	
Nylon Soft Nylon Polyurethane	M5	●	●			●
	1/8	●	●	●	●	●
	1/4	●	●	●	●	●
	3/8	●	●	●	●	●
	1/2		●	●	●	●
	No	●	●	●	●	

Series SQ

Tube/Metric, Thread/M, Rc(PT)



● Connection and Disconnection of Tubing

Tube and joint are completely joined by inserting the tube.

They are also easily separated within 1~2 seconds by pressing down on the sleeve with fingers and pulling the tube, without any tools.

● Easy Piping in a Narrow Space

Hex wrenches can be used for piping the SQH-T type 4, 6, 8 sizes.

Seal treated screw makes operation simple.
(Screw coated with CHEMI Seal)

SQ

SQ2

SP

SPM

ST

SN

SF

W1~
W7

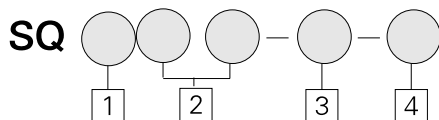
W8,9

SPS

TPC
1000

TPC
1200

How to Order



1 Series

2 Tube Size

04 : ϕ 4
06 : ϕ 6
08 : ϕ 8
10 : ϕ 10
12 : ϕ 12

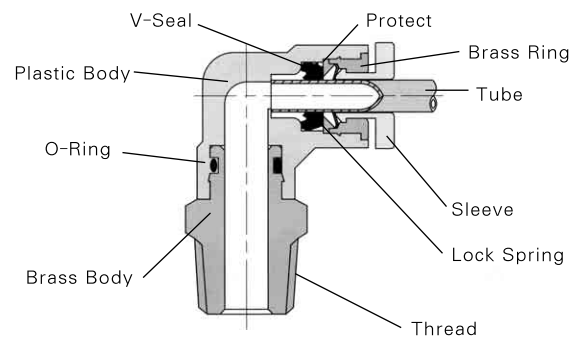
3 Port Size

01 : PT(R) 1/8
02 : PT(R) 1/4
03 : PT(R) 3/8
04 : PT(R) 1/2

4 Option

Blank : Standard Type
X2 : Copper-Free

Structures



Installation Torque

Thread Size	Torque/kg • cm
PT 1/8	70~90
PT 1/4	120~140
PT 3/8	220~240
PT 1/2	280~300
M5	12

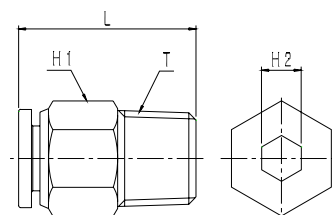
Specifications

Fluid	Air
Max.operating pressure	9.9 kgf/cm ² {990 KPa}
Proof pressure	12.5 kgf/cm ² {1.250 KPa}
Ambient and fluid temperature	0~60℃ (32~140°F)

One Touch Fittings

Dimensions

Male Connector



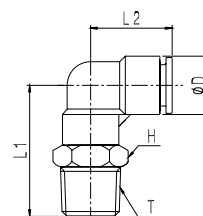
SQH Type

Unit: mm

Model	Tube size	T (Thread)	L	H1	H2
SQH04-M5A	04	M5	21	∅ 10	2
SQH04-M5	04	M5	21	14	2
SQH04-01S	04	PT1/8	18.9	10	2
SQH04-02S	04	PT1/4	20.4	10	2.5
SQH06-M5A	06	M5	21.3	12	2
SQH06-M5	06	M5	21.3	14	2
SQH06-01S	06	PT1/8	20.9	17	4
SQH06-02S	06	PT1/4	22.9	12	4
SQH06-03S	06	PT3/8	22.9	12	4
SQH08-01S	08	PT1/8	25.9	14	4
SQH08-02S	08	PT1/4	24.9	14	6
SQH08-03S	08	PT3/8	22.9	17	6
SQH08-04S	08	PT1/2	26.7	22	6
SQH10-01S	10	PT1/8	28.5	17	∅ 5
SQH10-02S	10	PT1/4	29.8	17	∅ 6
SQH10-03S	10	PT3/8	26.3	17	∅ 8
SQH10-04S	10	PT1/2	26.1	22	∅ 8
SQH12-02S	12	PT1/4	33.3	19	∅ 8
SQH12-03S	12	PT3/8	30.7	19	∅ 10
SQH12-04S	12	PT1/2	31.9	22	∅ 10

Dimensions

Male Elbow



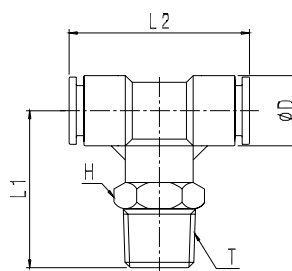
SQL Type

Unit: mm

Model	Tube size	T (Thread)	D	L1	L2	H
SQL04-M5	04	M5	10.2	10.2	17	8
SQL04-01S	04	PT1/8	10.2	10.2	17.1	10
SQL04-02S	04	PT1/4	10.2	10.2	17.1	14
SQL06-M5	06	M5	12.6	12.6	18	8
SQL06-01S	06	PT1/8	12.6	12.6	18.4	12
SQL06-02S	06	PT1/4	12.6	12.6	18.4	14
SQL06-03S	06	PT3/8	12.6	12.6	18.4	17
SQL08-01S	08	PT1/8	14.7	14.7	20.4	14
SQL08-02S	08	PT1/4	14.7	14.7	20.4	14
SQL08-03S	08	PT3/8	14.7	14.7	20.4	17
SQL08-04S	08	PT1/2	14.7	14.7	20.4	21
SQL10-01S	10	PT1/8	17.6	17.6	23.9	17
SQL10-02S	10	PT1/4	17.6	17.6	23.9	17
SQL10-03S	10	PT3/8	17.6	17.6	23.9	17
SQL10-04S	10	PT1/2	17.6	17.6	23.9	21
SQL12-02S	12	PT1/4	20	20	24.9	19
SQL12-03S	12	PT3/8	20	20	24.9	19
SQL12-04S	12	PT1/2	20	20	24.9	21

Dimensions

Branch Tee



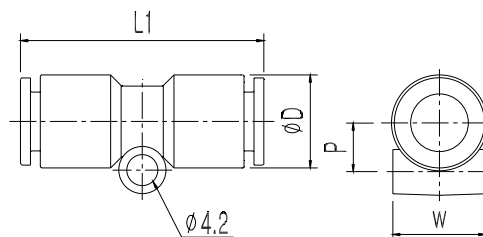
SQT Type

Unit: mm

Model	Tube size	T (Thread)	D	L1	L2	H
SQT04-M5	04	M5	10.2	22.4	34.2	10
SQT04-01S	04	PT1/8	10.2	24.9	34.2	10
SQT04-02S	04	PT1/4	10.2	27.9	34.2	14
SQT06-M5	06	M5	12.6	23.5	36.8	12
SQT06-01S	06	PT1/8	12.6	26	36.8	12
SQT06-02S	06	PT1/4	12.6	29	36.8	14
SQT06-03S	06	PT3/8	12.6	30	36.8	17
SQT08-01S	08	PT1/8	14.7	27	40.8	14
SQT08-02S	08	PT1/4	14.7	29.9	40.8	14
SQT08-03S	08	PT3/8	14.7	30.9	40.8	17
SQT08-04S	08	PT1/2	14.7	35.4	40.8	21
SQT10-01S	10	PT1/8	17.6	30	47.8	17
SQT10-02S	10	PT1/4	17.6	33	47.8	17
SQT10-03S	10	PT3/8	17.6	34	47.8	17
SQT10-04S	10	PT1/2	17.6	38.5	47.8	21
SQT12-02S	12	PT1/4	20	35	49.8	19
SQT12-03S	12	PT3/8	20	36	49.8	19
SQT12-04S	12	PT1/2	20	40.5	49.8	21

Dimensions

Straight Reducer



SQH Type

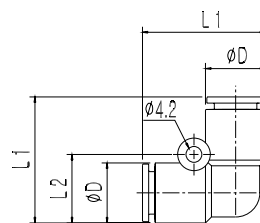
Unit: mm

Model	Tube size	D	L	P	W
SQH04-00	04	10.2	31.8	5.8	10.2
SQH06-00	06	12.6	33.6	6.6	12.6
SQH08-00	08	14.7	35.8	7.6	14.7
SQH10-00	10	17.6	41.2	8.9	17.6
SQH12-00	12	20	43.2	9.8	20

One Touch Fittings

Dimensions

Union Elbow



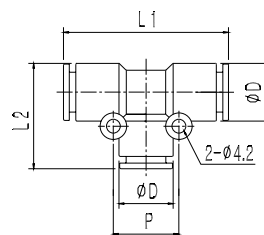
SQL Type

Unit: mm

Model	Tube size	D	L1	L2
SQL04-00	04	10.2	22.2	12.2
SQL06-00	06	12.6	24.6	14.7
SQL08-00	08	14.7	27.8	16.8
SQL10-00	10	17.6	32.7	19.6
SQL12-00	12	20	35.4	22

Dimensions

Union Tee



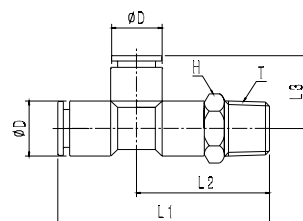
SQT Type

Unit: mm

Model	Tube size	D	L1	L2	P
SQT04-00	04	10.2	34.2	22.2	14.2
SQT06-00	06	12.6	36.6	24.6	16.8
SQT08-00	08	14.7	40.8	27.8	18.8
SQT10-00	10	17.6	47.8	32.7	21.6
SQT12-00	12	20	46.8	34.9	24

Dimensions

Male Run Tee



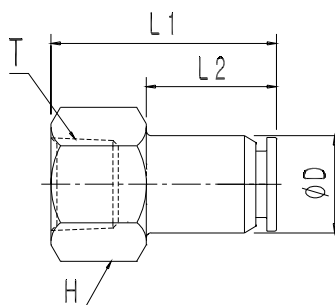
SQY Type

Unit: mm

Model	Tube size	T (Thread)	D	L1	L2	L3	H
SQY04-M5	04	M5	10.2	39.4	22.3	17.1	10
SQY04-01S	04	PT1/8	10.2	41.9	24.8	17.1	10
SQY04-02S	04	PT1/4	10.2	44.9	27.8	17.1	14
SQY06-M5	06	M5	12.6	41.8	23.5	18.3	12
SQY06-01S	06	PT1/8	12.6	44.3	26	18.3	12
SQY06-02S	06	PT1/4	12.6	47.3	29	18.3	14
SQY06-03S	06	PT3/8	12.6	48.3	30	18.3	17
SQY08-01S	08	PT1/8	14.7	47.4	27	20.5	14
SQY08-02S	08	PT1/4	14.7	50.3	29.9	20.5	14
SQY08-03S	08	PT3/8	14.7	51.3	30.9	20.5	17
SQY08-04S	08	PT1/2	14.7	55.8	35.4	20.5	21
SQY10-01S	10	PT1/8	17.6	53.9	30	23.9	17
SQY10-02S	10	PT1/4	17.6	56.9	33	23.9	17
SQY10-03S	10	PT3/8	17.6	57.9	34	23.9	17
SQY10-04S	10	PT1/2	17.6	62.4	38.5	23.9	21
SQY12-02S	12	PT1/4	20	59.9	35	24.9	19
SQY12-03S	12	PT3/8	20	60.9	36	24.9	19
SQY12-04S	12	PT1/2	20	65.4	40.5	24.9	21

Dimensions

Female Union



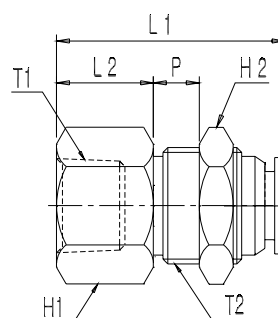
SQF Type

Unit: mm

Model	Tube size	T (Thread)	D	L1	L2	H
SQF04-01	04	PT1/8	10.2	24	14	14
SQF04-02	04	PT1/4	10.2	27	13.5	17
SQF06-01	06	PT1/8	12.6	26	16	14
SQF06-02	06	PT1/4	12.6	29	15	17
SQF06-03	06	PT3/8	12.6	30.1	15.1	21
SQF08-01	08	PT1/8	14	28.1	18.1	17
SQF08-02	08	PT1/4	14	31.1	17.2	17
SQF08-03	08	PT3/8	14	32.1	17.1	21
SQF08-04	08	PT1/2	14	36	17	24
SQF10-01	10	PT1/8	16.4	30.3	20.3	17
SQF10-02	10	PT1/4	16.4	33.3	19.4	17
SQF10-03	10	PT3/8	16.4	34.3	19.3	21
SQF10-04	10	PT1/2	16.4	37.3	18.3	24
SQF12-02	12	PT1/4	19	35.9	22	21
SQF12-03	12	PT3/8	19	36.9	22	21
SQF12-04	12	PT1/2	19	39.9	20.9	24

Dimensions

Bulkhead Female Union



SQE Type

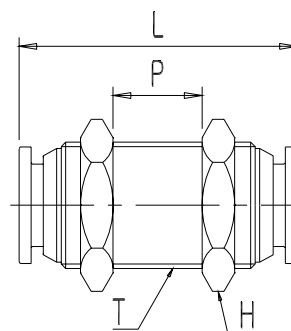
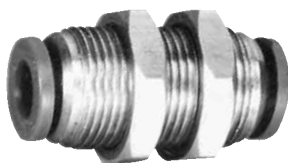
Unit: mm

Model	Tube size	T (Thread)	T2 (Thread)	L1	L2	H1	H2	P
SQE04-01	04	PT1/8	12×1	24	10	14	14	4.5
SQE06-01	06	PT1/8	14×1	26	10	17	17	6.5
SQE06-02	06	PT1/4	14×1	29	13	17	17	6.5
SQE08-01	08	PT1/8	16×1	28.1	10	19	19	7.5
SQE08-02	08	PT1/4	16×1	31.1	13.9	19	19	6.5
SQE08-03	08	PT3/8	16×1	32.1	15	19	19	6.5
SQE10-02	10	PT1/4	20×1	33.3	13.9	24	24	9
SQE10-03	10	PT3/8	20×1	34.3	15	24	24	9
SQE12-02	12	PT1/4	22×1	35.9	13.9	26	26	10.5
SQE12-03	12	PT3/8	22×1	36.9	14.9	26	26	10.5
SQE12-04	12	PT1/2	22×1	39.9	19	26	26	9.5

One Touch Fittings

Dimensions

Bulkhead Union



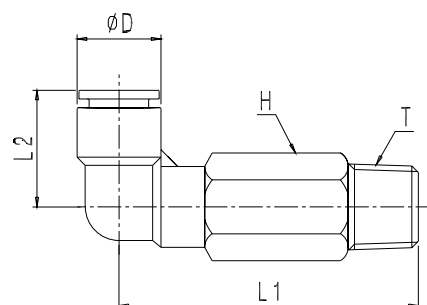
SQE Type

Unit: mm

Model	Tube size	T (Thread)	L	H	H
SQE04-00	04	12×1	30.5	14	12.4
SQE06-00	06	14×1	31.5	17	13.5
SQE08-00	08	16×1	34.2	19	14.2
SQE10-00	10	20×1	38.6	24	18.6
SQE12-00	12	22×1	40.6	26	16.9

Dimensions

Extended Male Elbow



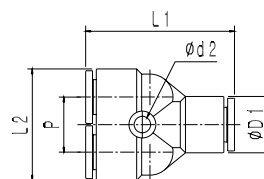
SQW Type

Unit: mm

Model	Tube size	T (Thread)	D	L1	L2	H
SQW04-M5	04	M5	10.2	29.7	17	8
SQW04-01S	04	PT1/8	10.2	43.9	17.1	10
SQW04-02S	04	PT1/4	10.2	41.9	17.1	14
SQW06-M5	06	M5	12.6	31.8	18	8
SQW06-01S	06	PT1/8	12.6	40	18.4	12
SQW06-02S	06	PT1/4	12.6	43	18.4	14
SQW06-03S	06	PT3/8	12.6	44	18.4	17
SQW08-01S	08	PT1/8	14.7	42.9	20.4	14
SQW08-02S	08	PT1/4	14.7	45.9	20.4	14
SQW08-03S	08	PT3/8	14.7	46.9	20.4	17
SQW08-04S	08	PT1/2	14.7	51.4	20.4	21
SQW10-01S	10	PT1/8	17.6	49	23.9	17
SQW10-02S	10	PT1/4	17.6	52	23.9	17
SQW10-03S	10	PT3/8	17.6	54	23.9	17
SQW10-04S	10	PT1/2	17.6	59.5	23.9	21
SQW12-02S	12	PT1/4	20	57	24.9	19
SQW12-03S	12	PT3/8	20	58	24.9	19
SQW12-04S	12	PT1/2	20	61.5	24.9	21

Dimensions

Union "Y"



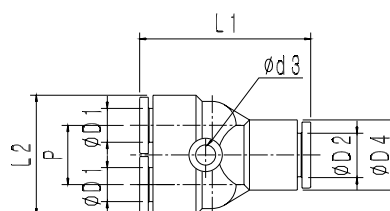
SQU Type

Unit: mm

Model	Tube size	D1	D2	L1	L2	P
SQU04-00	04	10.2	3.5	33.8	20.4	10.2
SQU06-00	06	12.6	3.2	35.1	25	12.4
SQU08-00	08	14.7	4.3	39.3	29.1	14.4
SQU10-00	10	17.6	4.3	45.2	34.8	17.2
SQU12-00	12	20	4.3	47.3	39.4	19.4

Dimensions

"Y" Reducer



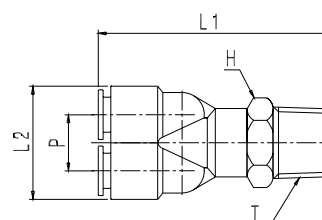
QU Type

Unit: mm

Model	Tube size		P	L1	L2	D3	D4
	D1	D2					
SQU04-06	04	06	10.2	34.4	20.4	3.5	12.6
SQU06-08	06	08	12.4	36.2	25	4.2	14.7
SQU08-10	08	10	14.4	41	29.1	4.3	17.6
SQU10-12	10	12	17.2	46.2	46.2	4.3	20

Dimensions

Branch "Y"



SQU Type

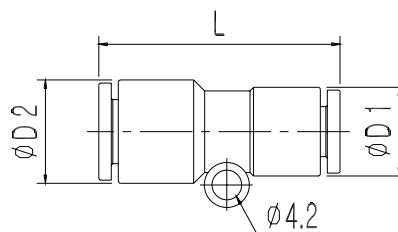
Unit: mm

Model	Tube size	T (Thread)	L1	L2	P	H
SQU04-M5	04	M5	39	20.4	10.1	10
SQU04-01S	04	PT1/8	41.5	20.4	10.1	14
SQU04-02S	04	PT1/4	44.5	20.4	10.1	10
SQU06-M5	06	M5	40	24.8	12.2	12
SQU06-01S	06	PT1/8	42.5	24.8	12.2	14
SQU06-02S	06	PT1/4	45.5	24.8	12.2	17
SQU06-03S	06	PT3/8	46.5	24.8	12.2	12
SQU08-01S	08	PT1/8	44.8	29.1	14.4	14
SQU08-02S	08	PT1/4	47.7	29.1	14.4	14
SQU08-03S	08	PT3/8	48.7	29.1	14.4	17
SQU08-04S	08	PT1/2	53.2	29.1	14.4	21
SQU10-01S	10	PT1/8	49.9	34.8	17.2	17
SQU10-02S	10	PT1/4	52.9	34.8	17.2	17
SQU10-03S	10	PT3/8	53.9	34.8	17.2	17
SQU10-04S	10	PT1/2	58.4	34.8	17.2	21
SQU12-02S	12	PT1/4	53.9	39.4	19.4	19
SQU12-03S	12	PT3/8	54.9	39.4	19.4	19
SQU12-04S	12	PT1/2	59.4	39.4	19.4	21

One Touch Fittings

Dimensions

Straight Reducer



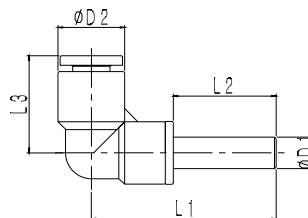
SQH Type

Unit: mm

Model	Tube size (D1)	Tube size (D1)	L
SQH04-06	04	06	33.1
SQH06-08	06	08	34.7
SQH08-10	08	10	38
SQH10-12	10	12	41.2

Dimensions

Plug-in Elbow



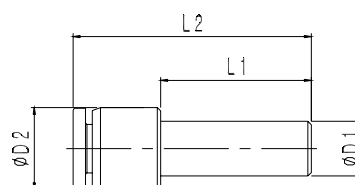
SQL Type

Unit: mm

Model	Tube size	D1	D2	L1	L2	L3
SQL04-99	04	4	10.2	31.6	17.2	17.1
SQL06-99	06	6	12.6	35	19.5	18.4
SQL08-99	08	8	14.7	38.5	22	20.4
SQL10-99	10	10	17.6	43.5	23.5	23.9
SQL12-99	12	12	20	49	27	24.9

Dimensions

Plug-in Straight



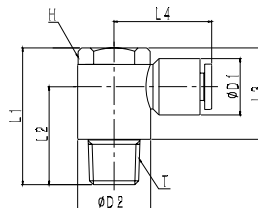
SQJ Type

Unit: mm

Model	Tube size	D1	D2	L1	L2
SQJ04-06	04	6	10	19.5	31.5
SQJ04-08	04	8	10	21	33
SQJ06-08	06	8	12	22	35
SQJ06-10	06	10	12	23.5	36.5
SQJ06-12	06	12	12	27	40
SQJ08-10	08	10	14	26.5	36.5
SQJ08-12	08	12	14	27	41.1
SQJ10-12	10	12	17	27	43.3

Dimensions

Universal Male Elbow



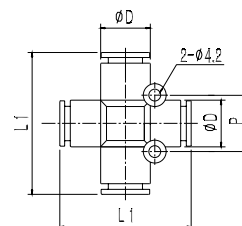
SQV Type

Unit: mm

Model	Tube size	T (Thread)	D1	D2	L1	L2	L3	L4	H
SQV04-M5	04	M5	10.2	10	21.2	13.7	16	19.3	8
SQV04-01S	04	PT1/8	10.2	15	29.3	20.3	21.7	21.8	14
SQV04-02S	04	PT1/4	10.2	19	35.6	26.3	23.8	23.8	17
SQV06-M5	06	M5	12.6	10	21.2	13.7	16	19.8	8
SQV06-01S	06	PT1/8	12.6	15	29.3	20.3	21.7	22.3	14
SQV06-02S	06	PT1/4	12.6	19	35.6	26.3	23.8	24	17
SQV06-03S	06	PT3/8	12.6	20	40.6	29.5	28.5	26.8	21
SQV08-01S	08	PT1/8	14.7	15	29.3	19.5	21.7	23.4	14
SQV08-02S	08	PT1/4	14.7	19	35.6	25.5	23.8	25.4	17
SQV08-03S	08	PT3/8	14.7	24	40.6	29.7	28.5	27.8	21
SQV08-04S	08	PT1/2	14.7	28	41.3	25.8	26	29.9	24
SQV10-02S	10	PT1/4	17.6	19	39.6	27.5	23.8	28.2	21
SQV10-03S	10	PT3/8	17.6	24	40.5	28.5	28.6	30.1	21
SQV10-04S	10	PT1/2	17.6	28	41.3	25.8	26	31.3	24
SQV12-02S	12	PT1/4	20	24.4	39.6	26.1	28.4	31.3	21
SQV12-03S	12	PT3/8	20	24.4	40.5	27.1	28.4	31.3	21
SQV12-04S	12	PT1/2	20	28	41.3	25.8	26	32.3	24

Dimensions

“+” Reducer



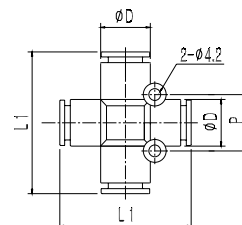
SQZ Type

Unit: mm

Model	Tube size	D	L	P
SQZ04-00	04	10.2	34.2	14.2
SQZ06-00	06	12.6	36.6	16.8
SQZ08-00	08	14.7	40.8	18.8
SQZ10-00	10	17.6	47.8	21.6
SQZ12-00	12	20	50.8	24

Dimensions

Plug-in “Y”



SQU Type

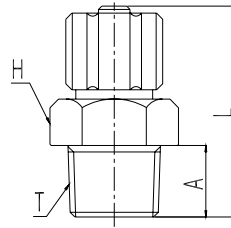
Unit: mm

Model	Tube size	D	L1	L2	L3	P
SQU04-99	04	4	39.1	49.5	20.4	10.2
SQU06-99	06	6	40.4	52.6	25	12.4
SQU08-99	08	8	44.8	57.3	29.1	14.4
SQU10-99	10	10	52.7	65.7	34.8	17.2
SQU12-99	12	12	54.8	69.8	39.4	19.4

Two Touch Fittings

Dimensions

Union I



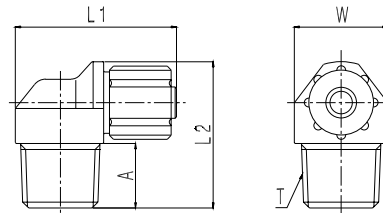
SQ2H Type

Unit: mm

Model	Tube size	T (Thread)	L	A	H
SQ2H04-01	04	PT1/8	24.6	8	12
SQ2H06-01	06	PT1/8	27.7	8	12
SQ2H06-02	06	PT1/4	31.7	11	16
SQ2H08-01	08	PT1/8	27.7	8	13
SQ2H08-02	08	PT1/4	31.7	11	16
SQ2H08-03	08	PT3/8	33	12	18
SQ2H10-02	10	PT1/4	32.2	11	17
SQ2H10-03	10	PT3/8	33.4	12	17
SQ2H12-02	12	PT1/4	34.9	11	17
SQ2H12-03	12	PT3/8	36.1	12	19

Dimensions

Union L



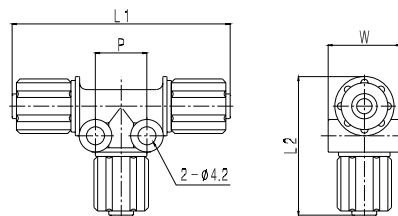
SQ2L Type

Unit: mm

Model	Tube size	T (Thread)	L1	L2	A	W
SQ2L04-01	04	PT1/8	23.6	20	8	12
SQ2L06-01	06	PT1/8	26.7	20	8	12
SQ2L06-02	06	PT1/4	30.1	23	11	16
SQ2L08-01	08	PT1/8	28.7	22	8	14
SQ2L08-02	08	PT1/4	30.1	25	11	16
SQ2L08-03	08	PT3/8	32.7	26	12	18
SQ2L10-02	10	PT1/4	30.6	27	11	17
SQ2L10-03	10	PT3/8	33.2	28	12	18
SQ2L12-02	12	PT1/4	35.9	30	11	19
SQ2L12-03	12	PT3/8	36.9	31	12	19

Dimensions

Union T



SQ2T Type

Unit: mm

Model	Tube size	L1	L2	W	P
SQ2T04-00	04	40.8	23.4	11	10
SQ2T06-00	06	48.8	30.3	14	12
SQ2T08-00	08	50.8	32.3	17	12
SQ2T10-00	10	51.5	36	20	13
SQ2T12-00	12	57.9	40.3	22	14.5