

Accessories



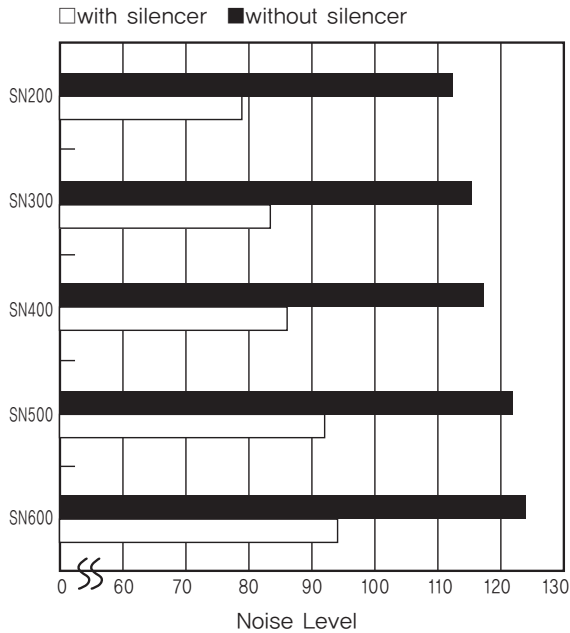
● Silencer	
Series SN	1026
● Speed Controller	
Series SP2000	1028
Series SP4000	1029
● One-Touch Fitting	
Series SQ	1030
● Compact One-Touch Fitting	
Series SC	1042
● Speed Controller	
Series SP	1048
● Hand Valve	
Series SHF · SHS	1053
● Check Valve	
Series DC	1055
● Two-Touch Fitting	
Series SQ2	1057
● Polyurethane Tube	
Series ST	1060
● Flotting Joint	
Series SF	1061

※ Specifications in this catalogue may be changed for product performance upgrade without notice.
Inquiries can be made to the manufacturer when purchasing the product.

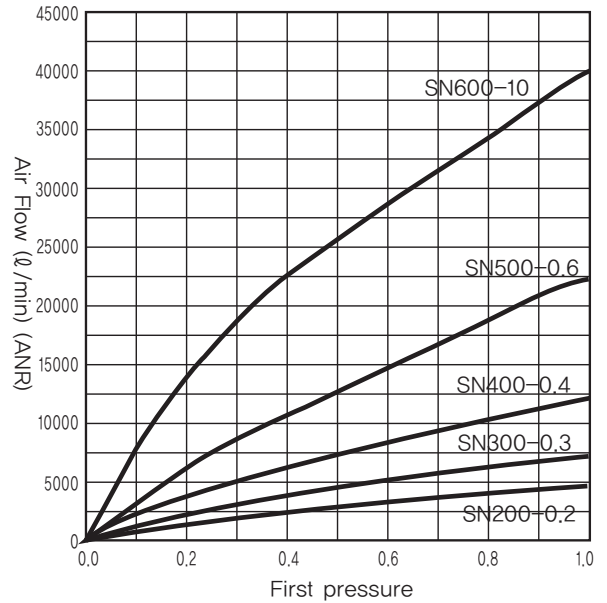
Series SN

Silencer

Flow Characteristics(Initial Conditions)



Noise Level(Initial Conditions)



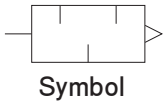
Model / Specification

No	Model	Port size (R)	Effective Orifice (mm ²)	Noise Reduction (dB)	Weight g(oz)	Note
1	SN100-M5	M5	5	over 20	1(0.035)	
2	SN120-M5		5	18	3.3(0.1164)	
3	SN100-01A	1/8	10	over 25	2(0.071)	Sintered
4	SN100-01		15		4(0.141)	
5	SN101-01		20	16	9.5(0.335)	
6	SN110-01		35	21	20(0.706)	
7	SN200-02		1/4	35	over 25	
8	SN300-03	3/8	60	25(0.88)		
9	SN400-04	1/2	90	35(1.235)		
10	SN500-06	3/4	200	70(2.47)		
11	SN600-10	1	230	100(3.53)		

Series SN□00

Standard Type

- NOISE REDUCTION (OVER 30DB)
- SMALL AIR-SPACE RESISTANCE
- EASY MOUNTING



Specification

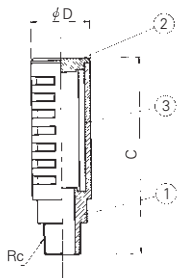
Fluid	Pressured Air
Max. Operating	1.0Mpa(145.04psi)
Noise Reduction	20dB(A) over
Ambient and Fluid Temperature	5 ~ 60°C(4~140° F)

※ Silencer at 14~140° F without Fluid Freezing.

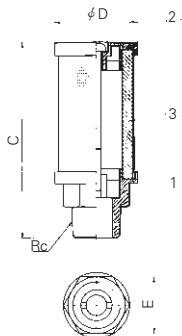
Model

Model	Port size Rc		Effective sectional area (mm ²)	Weight (gf)	Dimensions		
	C	D			E		
SN100-M5	M5×0.8		5	1	18	8	-
SN100-01	1/8		10	2	41	15.5	8
SN100-01A			15	4	37	11	6
SN200-02	1/4		35	17	63	22	19
SN300-03	3/8		60	25	84	25	22
SN400-04	1/2		90	35	92	30	27
SN500	06	3/4	200	70	104	44	30
SN600	10	1	230	100	130	48	37

SN100 ~ 400



SN500 · 600



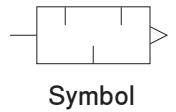
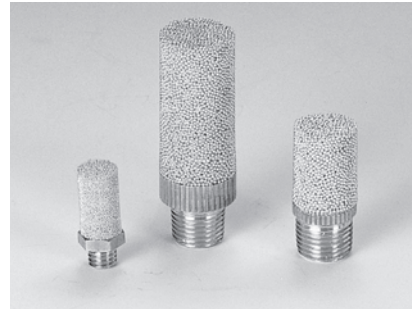
Parts List

No.	Part No.	Material	Note
1	BODY	Synthetic resin	
2	CAP	Synthetic resin	
3	ELEMENT	Synthetic resin	
4	BOLT	-	M6

Series SN

BC Sintered Body

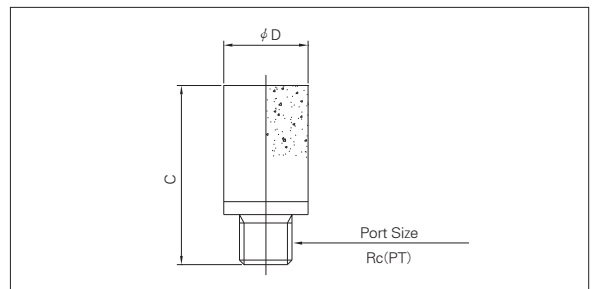
SWITABLE FOR MINI AND PILOT AIR EXHAUST PARTS.



Specifications / Model

Spec.	Model	SN101-01	SN110-01	SN120-M5
Port Size		R(PT) 1/8	R(PT) 1/8	M5
Noise Reduction dB(A)		16	21	18
Fluid		Air		
Max. Operating Pressure		1.0MPa (145.04psi)		
Ambient and Fluid Temperature		5 ~ 150°C		
Effective Orifice(mm ²)		20	35	5
Weight (g)		9.5	20	3.3
Dimension(mm)	C	22.5	38	17
	D	11	13	8

※ Silencer at -10~150° C(-50~302° F) without Fluid Freezing.



SN

SP2000

SP4000

SQ

SC

SP

SHF · SHS

DC

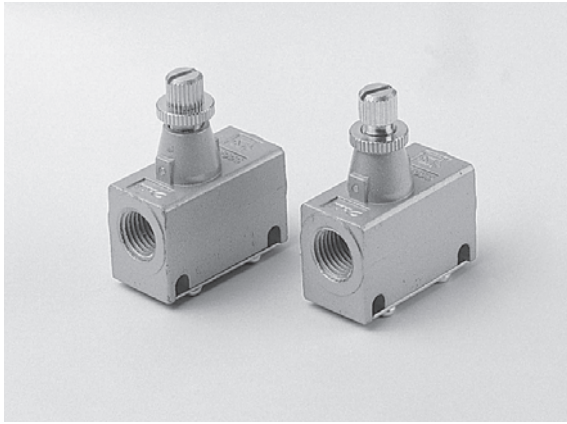
SQ2

ST

SF

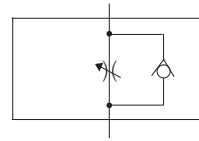
Series SP2000

Speed Controller – Inline Type

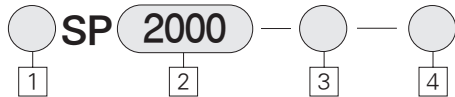


- RETAINER PREVENTS ACCIDENTAL LOSS OF NEEDLE
- COMPACT SIZE SAVES SPACE
- SPEED SHALL ACCURATELY CONTROLLED EVEN AT LOW SPEED
- LOCK NUT
- COPPER FREE TYPE FOR THE ELECTRONIC INDUSTRY (OPTION)

Symbol



How to Order



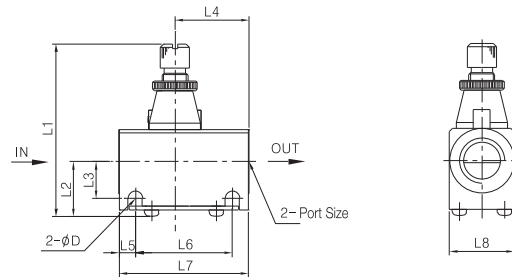
1 Blank : Rc(PT)
U : NPT

2 Body Size
2000 : 1/4

3 Port Size
02 : 1/4

4 Application
Blank : Standard Type
X2 : Copper Free Type

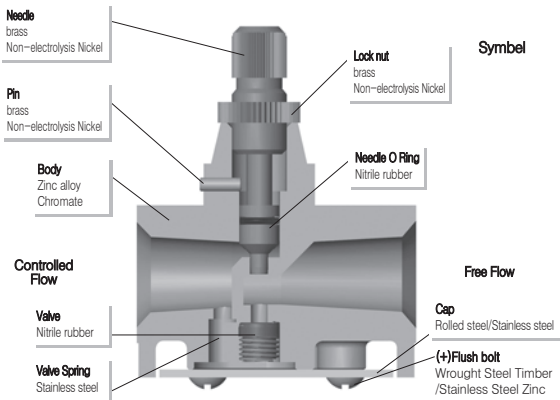
Dimensions



Dimensions

Model	Port Size	L1		L2	L3	L4	L5	L6	L7	L8	D
		MAX	MIN								
SP2000-2	Rc(PT)/NPT 1/4	56	51.5	17	11.5	23	5	30	40	20	4.5

Construction



Model Specifications

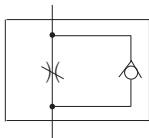
Description	Specification
Fluid	Air
Proof Pressure	1.5Mpa(213.3psi)
Max. Operating Pressure	1.0Mpa(140.8psi)
Min. Operating Pressure	0.05Mpa(7.1psi)
Ambient and Fluid Temperature	5~60 °C(41~140°F)
Number of Needle Rotations	Max. 8turns

Series SP4000

Speed Controller – Inline Type

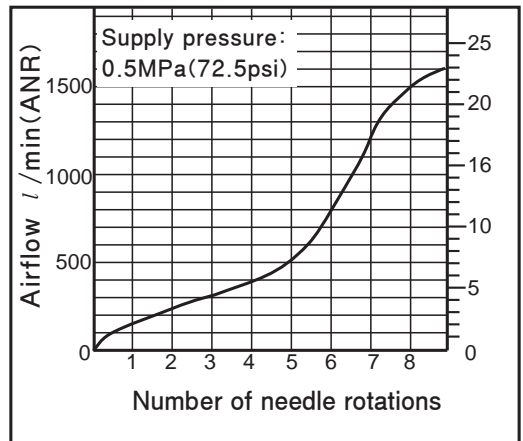


Symbol



- COMPACT SIZE SAVES SPACE
- SPEED SHALL BE ACCURATELY CONTROLLED EVEN AT LOW SPEED
- CONSTANT SPEED EASILY SET
- RETAINER PREVENTS ACCIDENTAL LOSS OF NEEDLE

Flow Characteristics



How to Order



1 Series

Blank : PT
U : NPT

2 Port Size

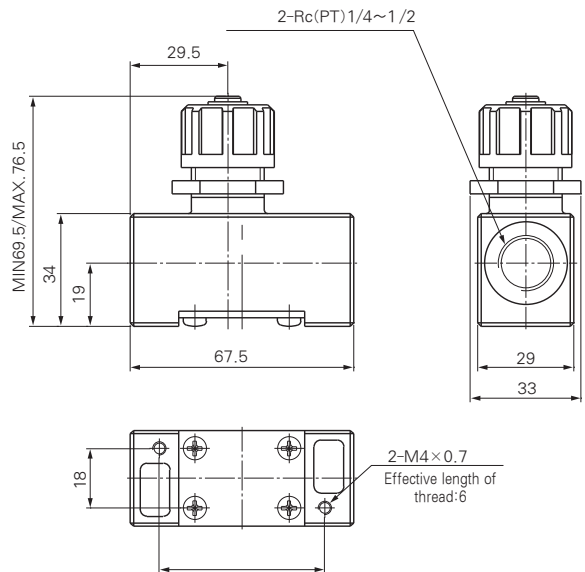
02 : 1/4"
03 : 3/8"
04 : 1/2"

Specifications

Proof pressure	1.5MPa(213.3psi)
Max. operating pressure	1.0MPa(140.8psi)
Min. operating pressure	0.05MPa(7.11psi)
Ambient and fluid temperature	5~60°C(41~140°F)
Number of needle rotations	8 turns

Dimensions

(Unit:mm)



SN

SP2000

SP4000

SQ

SC

SP

SHF·SHS

DC

SQ2

ST

SF

Series SQ

One-Touch Fittings

One-Touch Fittings



Features

- ONE ACTION INSERTS THE TUBE TO RELEASE AND CONNECT EASILY
- THE SQH TYPE HAS INTERIOR AND EXTERIOR HEXAGONAL SHAPES FOR EFFICIENT PIPING IN LIMITED SPACES
- THE MAIN BODY OF THE SQL AND SQT TYPES IS A ROTATING STRUCTURE FOR EFFICIENT PIPING
- THE SCREW SECTION HAS O-RINGS, OR IS SEALANT COATED

How to Order

SQ L 06 - 01 S - X2-W



1 Model

2 Applicable Tube O. D.

04 : Ø4
06 : Ø6
08 : Ø8
10 : Ø10
12 : Ø12

3 Port Size

M5 : M5 x 0.8
01 : R(c) 1/8

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

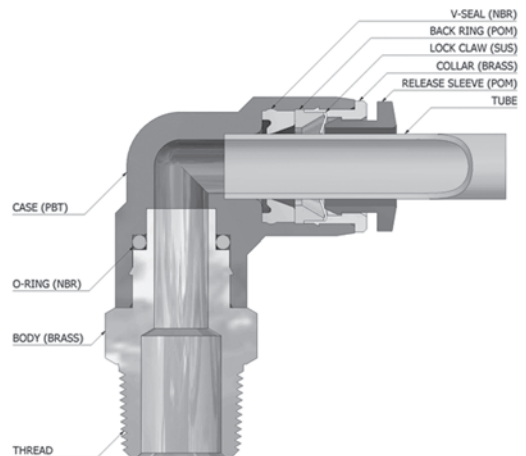
4 Sealant Screw

S : Sealant

5 Nickel Coated

Blank : Standard Type
X2 : Copper-free(Nickel Coated)

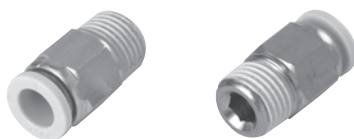
Structural Diagram



Standard Specifications

Fluid Type	Air
Max. Operating Pressure	0~150psi (0~9.9kgf/cm ²)
Ambient and Fluid Temperature	0~60 °C
Applicable Tube O.D	Ø4, Ø6, Ø8, Ø10, Ø12

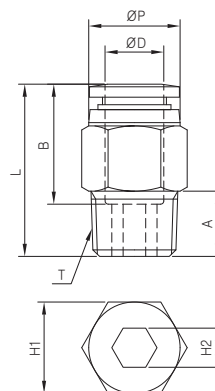
SQH



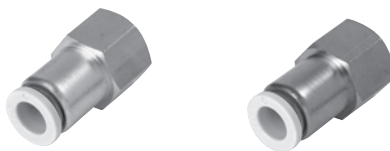
METRIC-BSPT(R)

Unit : mm

MODEL	ØD (Tube Size)	T (Thread Size)	ØP	L	A	B	H1	H2 (Hex.)	Weight (g)
SQH 04-M5A	4	M5×0.8	10.0	20.8	4.6	14.7	Ø10	2	6.0
SQH 04-M5		M5×0.8		20.8	4.0		H10	—	7.0
SQH 04-01S		R 1/8		21.9	8.0		H10	3	9.0
SQH 04-02S		R 1/4		20.9	10.0		H14	3	16.0
SQH 06-M5A	6	M5×0.8	12.0	23.1	4.6	16.4	Ø12	2	10.0
SQH 06-M5		M5×0.8		23.1	4.0		H12	—	10.0
SQH 06-01S		R 1/8		22.4	8.0		H12	4	10.0
SQH 06-02S		R 1/4		21.9	10.0		H14	5	14.0
SQH 06-03S	R 3/8	22.9	11.0	H17	5	25.0			
SQH 08-01S	8	R 1/8	14.0	28.4	8.0	18.4	H14	5	15.0
SQH 08-02S		R 1/4		26.4	10.0		H14	6	16.0
SQH 08-03S		R 3/8		23.9	11.0		H17	6	24.0
SQH 08-04S		R 1/2		29.4	14.0		H19	6	49.0
SQH 10-01S	10	R 1/8	16.1	29.8	8.0	19.6	H17	5	21.0
SQH 10-02S		R 1/4		31.3	10.0		H17	6	24.0
SQH 10-03S		R 3/8		27.4	11.0		H17	8	24.0
SQH 10-04S		R 1/2		29.8	14.0		H19	8	45.0
SQH 12-02S	12	R 1/4	19.0	33.7	10.0	21.9	H19	6	30.0
SQH 12-03S		R 3/8		30.7	11.0		H19	8	29.0
SQH 12-04S		R 1/2		30.2	14.0		H19	8	38.0



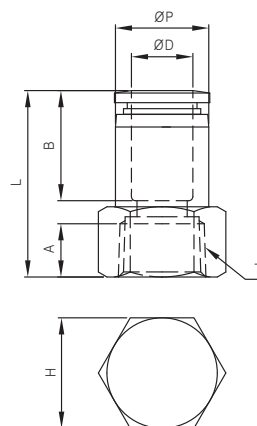
SQF



METRIC-BSPT(R)

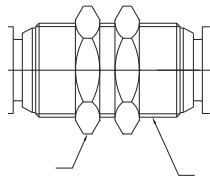
Unit : mm

MODEL	ØD (Tube Size)	T (Thread Size)	ØP	L	A	B	H (Hex.)	Weight (g)
SQF 04-01	4	Rc 1/8	10.0	27.0	9.0	14.7	14	17.0
SQF 04-02		Rc 1/4		29.0	11.0		17	22.0
SQF 06-01	6	Rc 1/8	12.0	28.2	9.0	16.4	14	18.0
SQF 06-02		Rc 1/4		30.2	11.0		17	24.0
SQF 06-03		Rc 3/8		31.2	12.0		22	38.0
SQF 08-01	8	Rc 1/8	14.0	29.4	9.0	18.4	14	19.0
SQF 08-02		Rc 1/4		31.4	11.0		17	24.0
SQF 08-03		Rc 3/8		32.4	12.0		22	39.0
SQF 08-04		Rc 1/2		34.4	14.0		24	41.0
SQF 10-01	10	Rc 1/8	16.4	32.5	9.0	19.6	17	31.0
SQF 10-02		Rc 1/4		32.5	11.0		17	26.0
SQF 10-03		Rc 3/8		33.5	12.0		22	41.0
SQF 10-04		Rc 1/2		35.5	14.0		24	43.0
SQF 12-02	12	Rc 1/4	19.0	37.1	11.0	21.9	22	54.0
SQF 12-03		Rc 3/8		37.1	12.0		22	46.0
SQF 12-04		Rc 1/2		39.1	14.0		24	50.0



- SN
- SP2000
- SP4000
- SQ**
- SC
- SP
- SHF·SHS
- DC
- SQ2
- ST
- SF

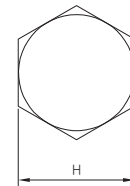
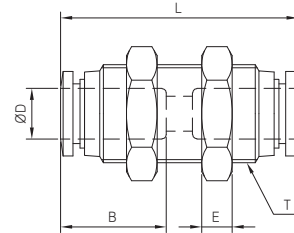
SQE-00



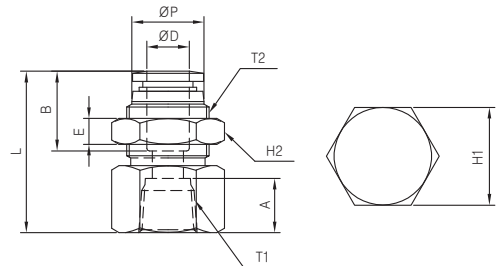
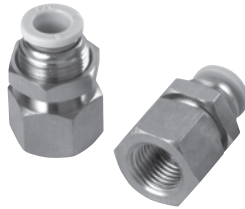
METRIC-BSPT(R)

Unit : mm

MODEL	∅D (Tube Size)	T (Thread Size)	L	E	B	H (Hex.)	Weight (g)
SQE 04-00	4	M12×1.0	35.5	4	14.7	14	20.0
SQE 06-00	6	M14×1.0	39.9	4	16.4	17	29.0
SQE 08-00	8	M16×1.0	42.2	5	18.4	19	39.0
SQE 10-00	10	M20×1.0	45.0	5	19.6	24	66.0
SQE 12-00	12	M22×1.0	50.3	5	21.9	26	83.0



SQE



METRIC-BSPT(R)

Unit : mm

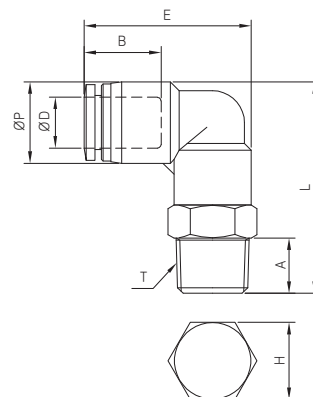
MODEL	∅D (Tube Size)	T1 (Thread Size)	∅P	T2 (Thread Size)	L	E	A	B	H1 (Hex.)	H2 (Hex.)	Weight (g)		
SQE 04-01	4	Rc 1/8	10.0	M12×1.0	27.0	4	9.0	14.7	14	14	20.0		
SQE 06-01	6	Rc 1/8	12.0	M14×1.0	30.2	4	9.0	16.4	17	17	34.0		
SQE 06-02		Rc 1/4										11.0	28.0
SQE 08-01	8	Rc 1/8	14.0	M16×1.0	31.4	5	9.0	18.4	19	19	45.0		
SQE 08-02		Rc 1/4										11.0	40.0
SQE 08-03		Rc 3/8										12.0	46.0
SQE 10-02	10	Rc 1/4	16.1	M20×1.0	33.5	5	11.0	19.6	24	24	71.0		
SQE 10-03		Rc 3/8										12.0	66.0
SQE 10-04		Rc 1/2										14.0	58.0
SQE 12-02	12	Rc 1/4	19.0	M22×1.0	38.3	5	11.0	21.9	24	26	85.0		
SQE 12-03		Rc 3/8										12.0	76.0
SQE 12-04		Rc 1/2										14.0	70.0

SQL

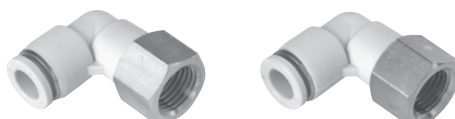


METRIC-BSPT(R)

MODEL	ØD (Tube Size)	T (Thread Size)	ØP	L	E	A	B	H (Hex.)	Weight (g)
SQL04-M5	4	M5×0.8	10.5	25.7	23.6	4.0	14.9	10	6.0
SQL04-01S		R1/8		29.7		8.0		10	10.0
SQL04-02S		R1/4		31.7		10.0		14	15.0
SQL06-M5	6	M5×0.8	12.5	28.7	26.3	4.0	16.4	12	7.0
SQL06-01S		R 1/8		32.7		8.0		12	13.0
SQL06-02S		R 1/4		35.7		10.0		14	19.0
SQL06-03S		R 3/8		36.7		11.0		17	27.0
SQL08-01S	8	R 1/8	14.8	35.4	30.3	8.0	18.7	14	18.0
SQL08-02S		R 1/4		38.4		10.0		14	22.0
SQL08-03S		R 3/8		39.4		11.0		17	27.0
SQL08-04S		R 1/2		42.4		14.0		21	43.0
SQL10-01S	10	R 1/8	17.5	37.2	33.0	8.0	20.1	17	26.0
SQL10-02S		R 1/4		40.2		10.0		17	28.0
SQL10-03S		R 3/8		41.2		11.0		17	30.0
SQL10-04S		R 1/2		44.2		14.0		21	48.0
SQL12-02S	12	R 1/4	20.5	44.6	38.1	10.0	22.8	19	40.0
SQL12-03S		R 3/8		45.6		11.0		19	43.0
SQL12-04S		R 1/2		48.6		14.0		21	52.0

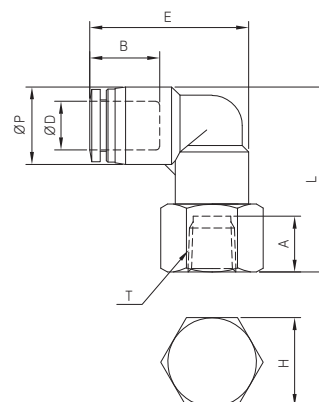


SQLF



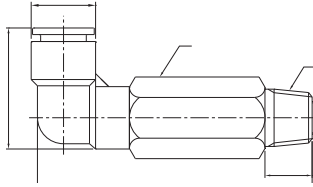
METRIC-BSPT(R)

MODEL	ØD (Tube Size)	T (Thread Size)	ØP	L	E	A	B	H (Hex.)	Weight (g)
SQLF 04-M5	4	M5×0.8	10.5	26.7	23.6	8.0	14.9	10	10.0
SQLF 04-01		Rc 1/8		27.7		9.0		14	15.0
SQLF 04-02		Rc 1/4		29.7		11.0		17	20.0
SQLF 06-M5	6	M5×0.8	12.5	29.7	26.3	8.0	16.4	12	16.0
SQLF 06-01		Rc 1/8		30.7		9.0		14	17.0
SQLF 06-02		Rc 1/4		32.7		11.0		17	23.0
SQLF 06-03		Rc 3/8		33.7		12.0		22	36.0
SQLF 08-01	8	Rc 1/8	14.8	33.4	30.3	9.0	18.7	14	19.0
SQLF 08-02		Rc 1/4		35.4		11.0		17	26.0
SQLF 08-03		Rc 3/8		36.4		12.0		22	38.0
SQLF 10-02		Rc 1/4		37.2		11.0		17	29.0
SQLF 10-03	10	Rc 3/8	17.5	38.2	33.0	12.0	20.1	22	42.0
SQLF 10-04		Rc 1/2		40.2		14.0		24	44.0
SQLF 12-02	12	Rc 1/4	20.5	41.6	38.1	11.0	22.8	19	40.0
SQLF 12-03		Rc 3/8		42.6		12.0		22	48.0
SQLF 12-04		Rc 1/2		44.6		14.0		24	49.0



- SN
- SP2000
- SP4000
- SQ**
- SC
- SP
- SHF·SHS
- DC
- SQ2
- ST
- SF

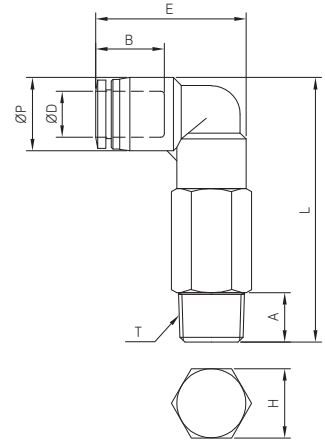
SQW



METRIC-BSPT(R)

Unit : mm

MODEL	ØD (Tube Size)	T (Thread Size)	ØP	L	E	A	B	H (Hex.)	Weight (g)
SQW 04-M5	4	M5×0.8	10.5	38.2	23.6	4.1	14.9	10	18.0
SQW 04-01S		R1/8		40.7		8.0		10	16.0
SQW 04-02S		R1/4		42.7		10.0		14	28.0
SQW 06-M5	6	M5×0.8	12.5	43.7	26.3	4.1	16.4	12	25.0
SQW 06-01S		R 1/8		46.2		8.0		12	25.0
SQW 06-02S		R 1/4		48.2		10.0		14	33.0
SQW 06-03S	R 3/8	49.2	11.0	17	48.0				
SQW 08-01S	8	R 1/8	14.8	51.4	30.3	8.0	18.7	14	37.0
SQW 08-02S		R 1/4		53.4		10.0		14	37.0
SQW 08-03S		R 3/8		54.4		11.0		17	60.0
SQW 08-04S	R 1/2	57.4	14.0	22	90.0				
SQW 10-01S	10	R 1/8	17.5	56.4	33.0	8.0	20.1	17	65.0
SQW 10-02S		R 1/4		58.4		10.0		17	65.0
SQW 10-03S		R 3/8		59.4		11.0		17	57.0
SQW 10-04S	R 1/2	62.4	14.0	22	100.0				
SQW 12-02S	12	R 1/4	20.5	66.1	38.1	10.0	22.8	19	90.0
SQW 12-03S		R 3/8		67.1		11.0		19	84.0
SQW 12-04S		R 1/2		70.1		14.0		22	116.0



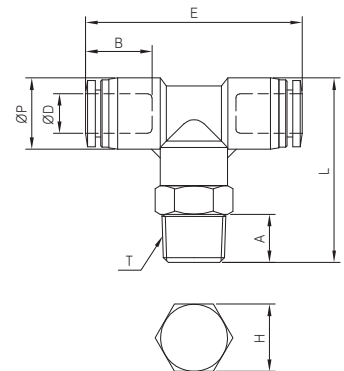
SQT



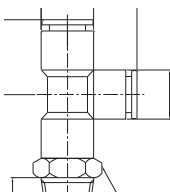
METRIC-BSPT(R)

Unit : mm

MODEL	ØD (Tube Size)	T (Thread Size)	ØP	L	E	A	B	H (Hex.)	Weight (g)
SQT 04-M5	4	M5×0.8	10.5	25.7	37.3	4.0	14.9	10	10.0
SQT 04-01S		R1/8		29.7		8.0		10	11.0
SQT 04-02S		R1/4		31.7		10.0		14	17.0
SQT 06-M5	6	M5×0.8	12.5	28.7	40.7	4.0	16.4	12	15.0
SQT 06-01S		R 1/8		32.7		8.0		12	17.0
SQT 06-02S		R 1/4		35.7		10.0		14	21.0
SQT 06-03S	R 3/8	36.7	11.0	17	29.0				
SQT 08-01S	8	R 1/8	14.8	35.4	45.1	8.0	18.7	14	21.0
SQT 08-02S		R 1/4		38.4		10.0		14	24.0
SQT 08-03S		R 3/8		39.4		11.0		17	31.0
SQT 08-04S	R 1/2	42.4	14.0	21	54.0				
SQT 10-01S	10	R 1/8	17.5	37.2	47.4	8.0	20.1	17	33.0
SQT 10-02S		R 1/4		40.2		10.0		17	35.0
SQT 10-03S		R 3/8		41.2		11.0		17	36.0
SQT 10-04S	R 1/2	44.2	14.0	21	60.0				
SQT 12-02S	12	R 1/4	20.5	44.6	55.3	10.0	22.8	19	47.0
SQT 12-03S		R 3/8		45.6		11.0		19	50.0
SQT 12-04S		R 1/2		48.6		14.0		21	60.0

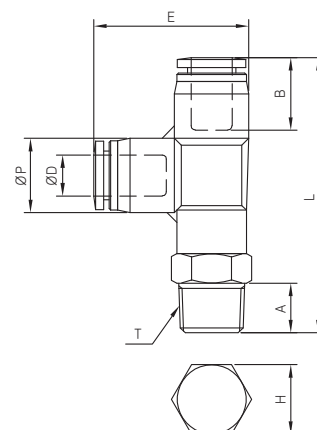


SQY



METRIC-BSPT(R)

MODEL	ØD (Tube Size)	T (Thread Size)	ØP	L	E	A	B	H (Hex.)	Weight (g)
SQY 04-M5	4	M5×0.8	10.6	41.6	24.9	4.0	14.9	10	10.0
SQY 04-01S		R 1/8		45.1		8.0		10	12.0
SQY 04-02S		R 1/4		47.1		10.0		14	18.0
SQY 06-M5	6	M5×0.8	13.0	44.9	27.9	4.0	16.4	12	15.0
SQY 06-01S		R 1/8		48.4		8.0		12	19.0
SQY 06-02S		R 1/4		51.4		10.0		14	23.0
SQY 06-03S		R 3/8		52.4		11.0		17	31.0
SQY 08-01S	8	R 1/8	15.0	52.5	31.3	8.0	18.7	14	17.0
SQY 08-02S		R 1/4		55.5		10.0		14	25.0
SQY 08-03S		R 3/8		56.5		11.0		17	30.0
SQY 08-04S		R 1/2		59.5		14.0		21	54.0
SQY 10-01S	10	R 1/8	18.0	55.7	34.7	8.0	20.1	17	34.0
SQY 10-02S		R 1/4		58.7		10.0		17	36.0
SQY 10-03S		R 3/8		59.7		11.0		17	38.0
SQY 10-04S		R 1/2		62.7		14.0		21	60.0
SQY 12-02S	12	R 1/4	20.8	65.0	40.5	10.0	22.8	19	50.0
SQY 12-03S		R 3/8		66.0		11.0		19	52.0
SQY 12-04S		R 1/2		69.0		14.0		21	66.0

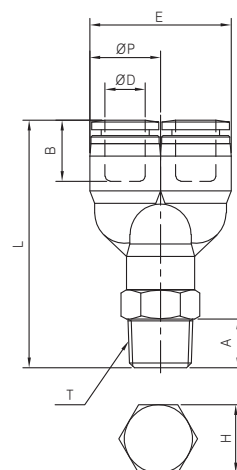


SQU



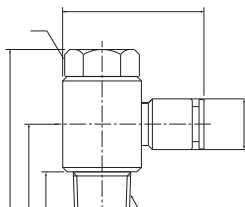
METRIC-BSPT(R)

MODEL	ØD (Tube Size)	T (Thread Size)	ØP	L	E	A	B	H (Hex.)	Weight (g)
SQU 04-M5	4	M5×0.8	10.5	39.5	21.0	4.0	15.6	10	11.0
SQU 04-01S		R 1/8		43.5		8.0		10	12.0
SQU 04-02S		R 1/4		45.5		10.0		14	18.0
SQU 06-M5	6	M5×0.8	12.5	40.4	25.0	4.0	16.9	12	16.0
SQU 06-01S		R 1/8		44.4		8.0		12	17.0
SQU 06-02S		R 1/4		47.4		10.0		14	22.0
SQU 06-03S		R 3/8		48.4		11.0		17	32.0
SQU 08-01S	8	R 1/8	14.5	47.8	29.0	8.0	19.0	14	22.0
SQU 08-02S		R 1/4		50.8		10.0		14	24.0
SQU 08-03S		R 3/8		51.8		11.0		17	38.0
SQU 08-04S		R 1/2		54.8		14.0		21	50.0
SQU 10-01S	10	R 1/8	17.6	51.2	35.2	8.0	20.2	17	35.0
SQU 10-02S		R 1/4		54.2		10.0		17	37.0
SQU 10-03S		R 3/8		55.2		11.0		17	40.0
SQU 10-04S		R 1/2		58.2		14.0		21	63.0
SQU 12-02S	12	R 1/4	21.0	59.1	42.0	10.0	22.6	19	52.0
SQU 12-03S		R 3/8		60.1		11.0		19	53.0
SQU 12-04S		R 1/2		63.1		14.0		21	66.0



- SN
- SP2000
- SP4000
- SQ
- SC
- SP
- SHF · SHS
- DC
- SQ2
- ST
- SF

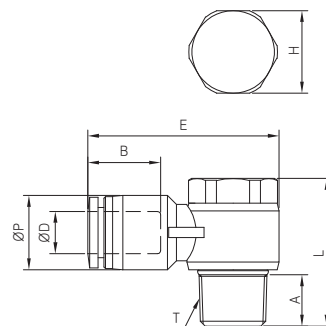
SQV



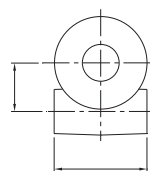
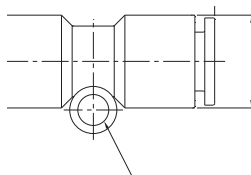
METRIC-BSPT(R)

Unit : mm

MODEL	∅D (Tube Size)	T (Thread Size)	∅P	L	E	A	B	H (Hex.)	Weight (g)
SQV 04-M5	4	M5×0.8	10.5	18.2	25.3	3.6	14.9	8	8.0
SQV 04-01S		R 1/8		25.0	30.4	7.5		11	15.0
SQV 04-02S		R 1/4		28.8	34.4	10.0		15	27.0
SQV 06-M5	6	M5×0.8	12.5	18.2	27.7	3.6	16.4	8	9.0
SQV 06-01S		R 1/8		25.0	31.2	7.5		11	16.0
SQV 06-02S		R 1/4		28.8	35.2	10.0		15	27.0
SQV 06-03S		R 3/8		32.7	38.7	11.0		19	48.0
SQV 08-01S	8	R 1/8	14.5	25.0	33.3	7.5	18.7	11	17.0
SQV 08-02S		R 1/4		28.8	37.3	10.0		15	28.0
SQV 08-03S		R 3/8		32.7	40.3	11.0		19	50.0
SQV 08-04S		R 1/2		39.0	46.2	14.0		24	77.0
SQV 10-02S	10	R 1/4	17.5	28.8	38.8	10.0	20.1	15	32.0
SQV 10-03S		R 3/8		32.7	42.1	11.0		19	51.0
SQV 10-04S		R 1/2		39.0	47.3	14.0		24	78.0
SQV 12-03S	12	R 3/8	20.5	32.7	45.1	11.0	22.8	19	53.0
SQV 12-04S		R 1/2		39.0	50.0	14.0		24	82.0



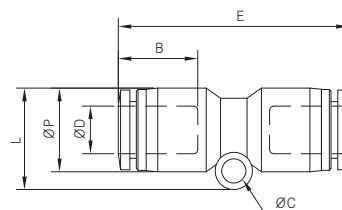
SQH-00



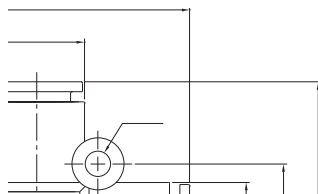
METRIC-BSPT(R)

Unit : mm

MODEL	∅D (Tube Size)	∅P	L	E	∅C	B	Weight (g)
SQH 04-00	4	10.5	12.7	34.3	3.3	14.9	4.0
SQH 06-00	6	12.5	14.7	36.5	3.3	16.4	7.0
SQH 08-00	8	14.5	17.6	40.1	4.3	18.7	9.0
SQH 10-00	10	17.5	20.0	43.4	4.3	20.1	13.0
SQH 12-00	12	20.5	23.3	48.3	4.3	22.8	20.0

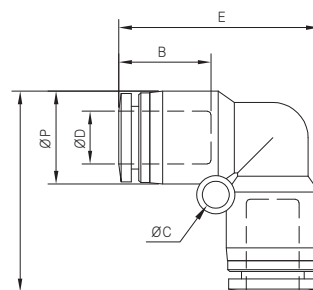


SQL-00



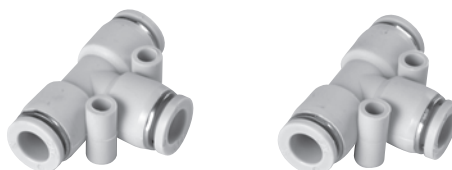
METRIC-BSPT(R)

MODEL	ØD (Tube Size)	ØP	L	E	ØC	B	Unit : mm	
SQL 04-00	4	10.6	24.1	24.1	3.3	14.9	5.0	
SQL 06-00	6	12.5	27.3	27.3	4.3	16.4	6.0	
SQL 08-00	8	14.5	31.3	31.3	4.3	18.7	9.0	
SQL 10-00	10	17.5	33.9	33.9	4.3	20.1	13.0	
SQL 12-00	12	20.5	38.8	38.8	4.3	22.8	22.0	



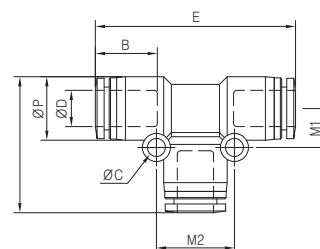
- SN
- SP2000
- SP4000
- SQ**
- SC
- SP
- SHF · SHS
- DC
- SQ2
- ST
- SF

SQT-00

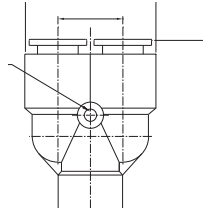


METRIC-BSPT(R)

MODEL	ØD (Tube Size)	ØP	L	E	ØC	B	M1	M2	Weight (g)
SQT 04-00	4	10.5	24.0	36.3	3.3	14.9	6.4	12.6	7.0
SQT 06-00	6	12.5	27.3	41.5	3.3	16.4	7.7	15.4	10.0
SQT 08-00	8	14.5	31.0	45.6	4.3	18.7	8.9	17.8	13.0
SQT 10-00	10	17.5	34.1	48.4	4.3	20.1	9.8	19.7	19.0
SQT 12-00	12	20.5	40.1	57.3	4.3	22.8	13.2	26.3	29.0



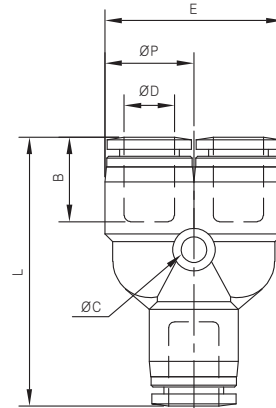
SQU-00



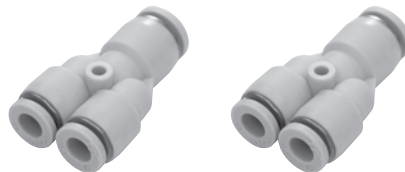
METRIC-BSPT(R)

MODEL	ØD (Tube Size)	ØP	L	E	ØC	B	Weight (g)
SQU 04-00	4	10.5	36.3	21.0	3.3	16.1	7.0
SQU 06-00	6	13.0	39.3	26.0	3.3	17.6	10.0
SQU 08-00	8	14.6	44.1	29.2	4.3	19.0	14.0
SQU 10-00	10	17.5	47.1	35.0	4.5	19.8	20.0
SQU 12-00	12	21.0	54.1	42.0	4.5	22.7	31.0

Unit : mm



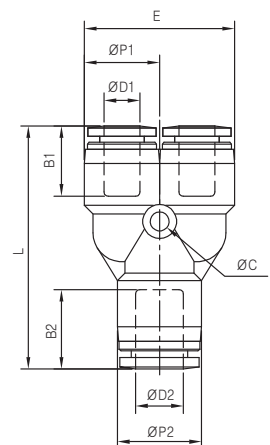
SQU-R



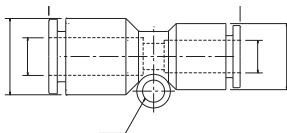
METRIC-BSPT(R)

MODEL	ØD1 (Tube Size)	ØD2 (Tube Size)	ØP1	ØP2	L	E	ØC	B1	B2	Weight (g)
SQU 04-06	4	6	10.5	13.0	37.8	21.0	3.3	16.1	17.6	7.0
SQU 06-08	6	8	13.0	14.6	42.2	26.0	3.3	17.6	19.0	11.0
SQU 08-10	8	10	14.6	17.5	44.8	29.2	4.3	19.0	19.7	15.0
SQU 10-12	10	12	17.5	21.0	50.6	35.0	4.5	19.8	22.7	24.0

Unit : mm



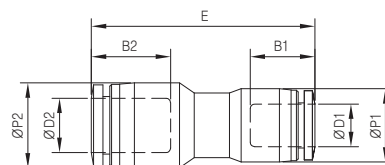
SQH-R



METRIC-BSPT(R)

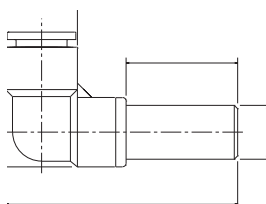
Unit : mm

MODEL	ØD1 (Tube Size)	ØD2 (Tube Size)	ØP1	ØP2	E	B1	B2	Weight (g)
SQH 04-06	4	6	10.5	12.5	35.2	14.9	16.4	6.0
SQH 06-08	6	8	12.5	14.5	38.1	16.4	18.7	8.0
SQH 08-10	8	10	14.5	17.5	40.3	18.7	20.1	10.0
SQH 10-12	12	12	17.5	20.5	43.8	20.1	22.8	14.0



- SN
- SP2000
- SP4000
- SQ**
- SC
- SP
- SHF · SHS
- DC
- SQ2
- ST
- SF

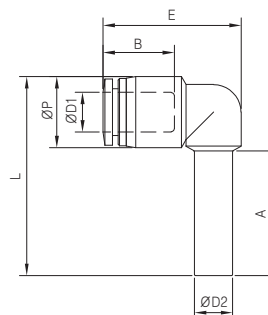
SQL-99



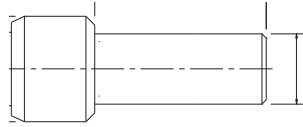
METRIC-BSPT(R)

Unit : mm

MODEL	ØD1 (Tube Size)	ØD2 (Tube Size)	ØP	L	E	A	B	Weight (g)
SQL04-99	4	4	10.5	33.6	22.6	22.0	14.9	4.0
SQL06-99	6	6	12.5	37.6	25.3	24.0	16.4	9.0
SQL08-99	8	8	14.8	41.5	28.8	26.0	18.7	8.0
SQL10-99	10	10	17.5	46.6	31.2	28.0	20.1	10.0
SQL12-99	12	12	20.5	51.7	36.0	30.0	22.8	17.0



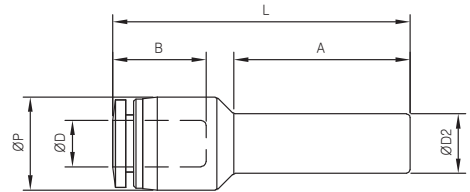
SQJ



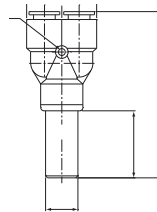
METRIC-BSPT(R)

Unit : mm

MODEL	∅D (Tube Size)	∅D2	∅P	L	A	B	Weight (g)
SQJ 04-06	4	6	10.5	37.8	21.7	14.9	3.0
SQJ 04-08	4	8	10.5	39.8	24.7	14.9	4.0
SQJ 06-08	6	8	12.5	40.0	23.7	16.4	5.0
SQJ 06-10	6	10	12.5	44.0	28.7	16.4	6.0
SQJ 06-12	6	12	12.5	50.0	34.4	16.4	6.0
SQJ 08-10	8	10	14.8	46.8	27.6	18.7	7.0
SQJ 08-12	8	12	14.8	50.8	32.6	18.7	7.0
SQJ 10-12	10	12	17.5	50.8	31.2	20.1	8.0



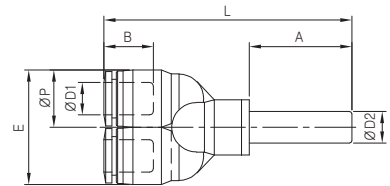
SQU-99



METRIC-BSPT(R)

Unit : mm

MODEL	∅D (Tube Size)	∅D2	∅P	L	E	A	B	Weight (g)
SQU 04-99	4	4	10.5	56.5	21.0	24.0	15.6	5.0
SQU 06-99	6	6	12.5	58.4	25.0	25.0	16.9	9.0
SQU 08-99	8	8	14.5	62.8	29.0	26.0	19.0	11.0
SQU 10-99	10	10	17.6	68.5	35.2	28.0	20.2	18.0
SQU 12-99	12	12	21.0	75.6	42.0	30.0	22.6	28.0



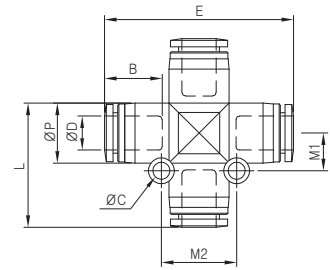
SQZ-00



METRIC-BSPT(R)

MODEL	ØD (Tube Size)	ØP	L	E	ØC	B	M1	M2	Weight (g)
SQZ 04-00	4	10.5	23.2	35.9	3.3	14.9	6.4	12.7	9.0
SQZ 06-00	6	12.5	27.0	41.5	3.3	16.4	7.4	14.9	12.0
SQZ 08-00	8	14.5	30.0	45.6	4.2	18.7	9.1	18.2	18.0
SQZ 10-00	10	17.5	32.9	48.4	4.3	20.1	10.1	20.3	24.0
SQZ 12-00	12	20.5	37.9	55.3	4.3	22.8	11.8	23.7	40.0

Unit : mm



SN

SP2000

SP4000

SQ

SC

SP

SHF · SHS

DC

SQ2

ST

SF

Series SC

Compact Fittings

Compact One-Touch Fittings



Features

- ONE ACTION INSERTS THE TUBE TO EASY CONNECTION AND RELEASE
- VOLUME AND OD ARE SMALLER THAN THE REGULAR TYPE, BUT SAME FLUX IS OBTAINED
- TREATED WITH ELECTROLESS NICKEL COATING ON THE SURFACE FOR EXCELLENT TOLERANCE TO CORROSION
- OVAL SLEEVE IS DESIGNED TO ALLOW EASY RELEASE IN LIMITED SPACE
- THE SCREW SECTION HAS O-RINGS, OR IS SEALANT COATED
- MINIATURIZED FITTING FOR SMALL DEVICES AND PIPING IN LIMITED SPACES

How to Order

SC L 04 - 01 S



1 Model

2 Applicable Tube O. D.

04 : Ø4
06 : Ø6

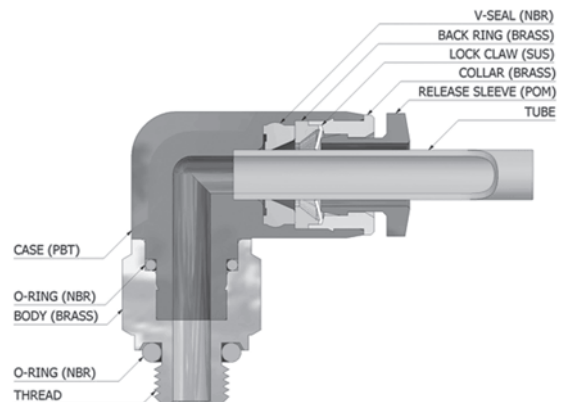
3 Port Size

M5 : M5 x 0.8
01 : R(c) 1/8

4 Sealant Screw

S : Sealant

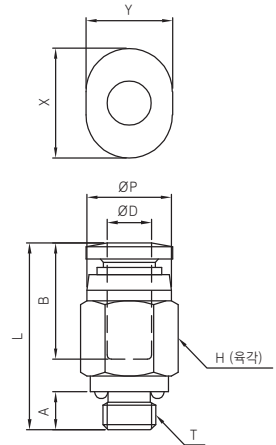
Structural Diagram



Standard Specifications

Fluid Type	Air
Max. Operating Pressure	0~150psi (0~9.9kgf/cm ²)
Ambient and Fluid Temperature	0~60 °C
Applicable Tube O.D	Ø4, Ø6

SCH

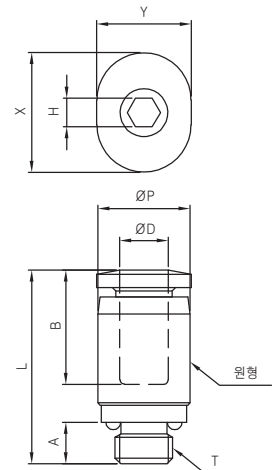


METRIC-BSPT(R)

MODEL	ØD (Tube Size)	T (Tube Size)	ØP	L	A	B	H (Hex.)	X	Y	Weight (g)
SCH 04-M5	4	M5×0.8	8.0	17.1	3.6	11.7	8	10.4	8.2	4.0
SCH 04-01S		R 1/8		16.7	8.0		10			6.0
SCH 06-M5	6	M5×0.8	10.0	18.5	3.6	12.8	10	12.4	10.2	5.0
SCH 06-01S		R 1/8		19.0	8.0		10			7.0

Unit : mm

SCH-A

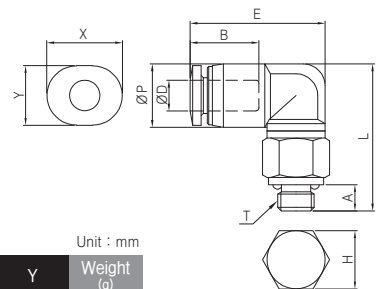


METRIC-BSPT(R)

MODEL	ØD (Tube Size)	T (Tube Size)	ØP	L	A	B	H (Hex.)	X	Y	Weight (g)
SCH 04-M5A	4	M5×0.8	8.0	16.9	3.6	11.7	2.5	10.4	8.2	4.0
SCH 04-01SA		R 1/8		15.7	8.0		3.0			5.0
SCH 06-M5A	6	M5×0.8	10.0	18.5	3.6	12.8	2.5	12.4	10.2	5.0
SCH 06-01SA		R 1/8		19.0	8.0		4.0			6.0

Unit : mm

SCL



METRIC-BSPT(R)

MODEL	ØD (Tube Size)	T (Tube Size)	ØP	L	E	A	B	H (Hex.)	X	Y	Weight (g)
SCL 04-M5	4	M5×0.8	8.7	20.2	18.6	3.6	11.8	8	10.4	8.2	4.0
SCL 04-01S		R 1/8		20.7		8.0		10			7.0
SCL 06-M5	6	M5×0.8	10.8	22.3	19.6	3.6	12.9	8	12.4	10.2	4.0
SCL 06-01S		R 1/8		22.8		8.0		10			7.0

Unit : mm

SN

SP2000

SP4000

SQ

SC

SP

SHF·SHS

DC

SQ2

ST

SF

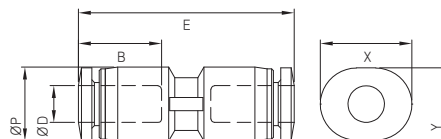
SCH-00



METRIC-BSPT(R)

MODEL	ØD (Tube Size)	ØP	E	B	X	Y	Weight (g)
SCH 04-00	4	8.4	24.5	11.8	10.4	8.2	3.0
SCH 06-00	6	10.6	26.8	26.8	12.4	10.2	3.0

Unit : mm



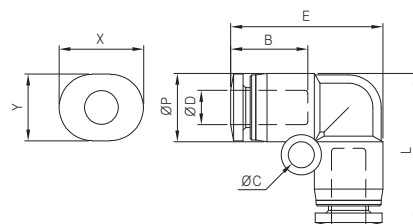
SCL-00



METRIC-BSPT(R)

MODEL	ØD (Tube Size)	ØP	L	E	ØC	B	X	Y	Weight (g)
SCL 04-00	4	8.4	18.7	18.7	3.2	11.8	10.4	8.2	3.0
SCL 06-00	6	10.6	21.9	21.9	3.2	12.9	12.4	10.2	3.0

Unit : mm



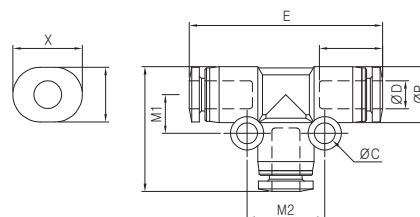
SCT-00



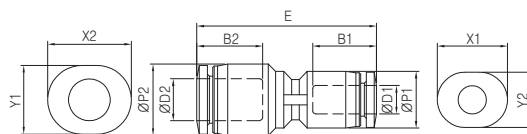
METRIC-BSPT(R)

MODEL	ØD (Tube Size)	ØP	L	E	ØC	B	M1	M2	X	Y	Weight (g)
SCT 04-00	4	8.4	18.7	28.9	3.2	11.8	5.8	11.6	10.4	8.2	3.0
SCT 06-00	6	10.6	21.9	33.2	3.2	12.9	6.9	13.8	12.4	10.2	6.0

Unit : mm



SCH-R



METRIC-BSPT(R)

Unit : mm

MODEL	ØD1 (Tube Size)	ØD2 (Tube Size)	ØP1	ØP2	E	B1	B2	X1	Y1	X2	Y2	Weight (g)
SCH 04-06	4	6	8.4	10.6	26.6	11.8	12.9	10.4	8.2	12.4	10.2	3.0

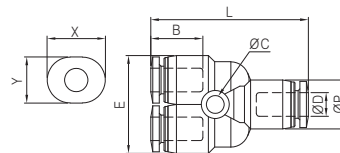
SCU-00



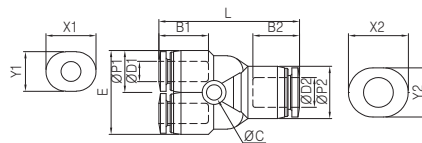
METRIC-BSPT(R)

Unit : mm

MODEL	ØD (Tube Size)	ØP	L	E	ØC	B	X	Y	Weight (g)
SCU 04-00	4	8.7	28.0	17.4	3.2	11.8	10.4	8.2	5.0
SCU 06-00	6	10.8	30.8	21.6	3.2	12.9	12.4	10.2	6.0



SCU-R



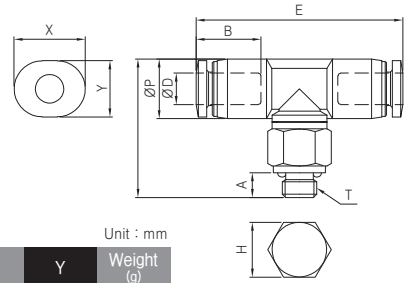
METRIC-BSPT(R)

Unit : mm

MODEL	ØD1 (Tube Size)	ØD2 (Tube Size)	ØP1	ØP2	L	E	ØC	B1	B2	X1	Y1	X2	Y2	Weight (g)
SCU 04-06	4	6	8.7	10.8	29.1	17.4	3.2	11.8	12.9	10.4	8.2	12.4	10.2	5.0

SN
SP2000
SP4000
SQ
SC
SP
SHF · SHS
DC
SQ2
ST
SF

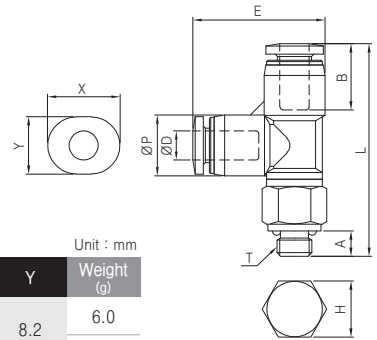
SCT



METRIC-BSPT(R)

MODEL	ØD (Tube Size)	T (Tube Size)	ØP	L	E	A	B	H (Hex.)	X	Y	Weight (g)
SCT 04-M5	4	M5×0.8	8.7	20.2	30.1	3.6	11.8	8	10.4	8.2	5.0
SCT 04-01S		R 1/8		20.7		8.0		10			7.0
SCT 06-M5	6	M5×0.8	10.8	22.3	32.2	3.6	12.9	8	12.4	10.2	7.0
SCT 06-01S		R 1/8		22.8		8.0		10			9.0

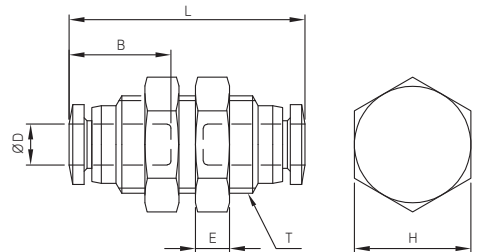
SCY



METRIC-BSPT(R)

MODEL	ØD (Tube Size)	T (Tube Size)	ØP	L	E	A	B	H (Hex.)	X	Y	Weight (g)
SCY 04-M5	4	M5×0.8	8.7	30.4	18.9	3.6	11.8	8	10.4	8.2	6.0
SCY 04-01S		R 1/8		30.9		8.0		10			9.0
SCY 06-M5	6	M5×0.8	10.8	33.5	22.0	3.6	12.9	8	12.4	10.2	7.0
SCY 06-01S		R 1/8		34.0		8.0		10			10.0

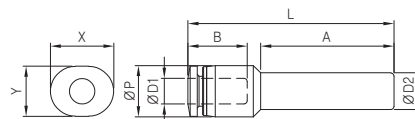
SCE-00



METRIC-BSPT(R)

MODEL	ØD (Tube Size)	ØD2 (Tube Size)	L	E	B	H (Hex.)	Weight (g)
SCE 04-00	4	M10×1.0	24.3	3.5	11.7	12	10.0
SCE 06-00	6	M12×1.0	27.1	4	12.8	14	14.0

SCJ

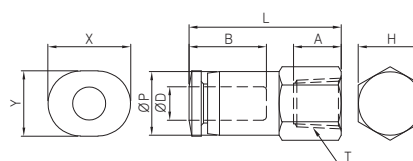


METRIC-BSPT(R)

Unit : mm

MODEL	ØD1 (Tube Size)	ØD2 (Tube Size)	ØP	L	A	B	X	Y	Weight (g)
SCJ 04-06	4	6	8.4	33.7	21.8	11.8	10.4	8.2	3.0

SCF



METRIC-BSPT(R)

Unit : mm

MODEL	ØD (Tube Size)	T (Tube Size)	ØP	L	A	B	H (Hex.)	X	Y	Weight (g)
SCF 04-M5	4	M5×0.8	8.0	19.2	6.0	11.7	8	10.4	8.2	4.0
SCF 04-01S		Rc 1/8		22.7	8.5		12			5.0
SCF 06-M5	6	M5×0.8	10.0	19.8	6.0	12.8	10	12.4	10.2	5.0
SCF 06-01S		Rc 1/8		23.8	8.5		12			6.0

SN
SP2000
SP4000
SQ
SC
SP
SHF·SHS
DC
SQ2
ST
SF

Series SP

Speed Controllers

Speed Controllers



Features

- EASY CONTROL OF AIR FLOW SPEED AND AIR FLOW RATE
- TUBE DIRECTION AND ANGLE ARE CONTROLLED ACCORDING TO PIPING AS THE MAIN BODY CAN ROTATE UP TO 360 AFTER ASSEMBLY
- NEEDLE ROTATION CAN BE INCREASED 10-12 TIMES FOR EASY SPEED AND REGULAR SPEED CONTROL
- NICKEL BODY PLATING AS A STANDARD SPECIFICATION

How to Order

SP 2 2 0 1F - 02 - 08 S-W

1 2 3 4 5 6 7

1 Body Size

- 1 : M5
- 2 : R 1/8, 1/4
- 3 : R 3/8
- 4 : R 1/2

2 Type

- 2 : Elbow
- 0 : Union

3 Controlled Method

- 0 : Meter-Out
- 1 : Meter-In

4 With One-Touch Fittings

5 Port Size

- M5 : M5 x 0.8
- 01 : R 1/8
- 02 : R 1/4
- 03 : R 3/8
- 04 : R 1/2

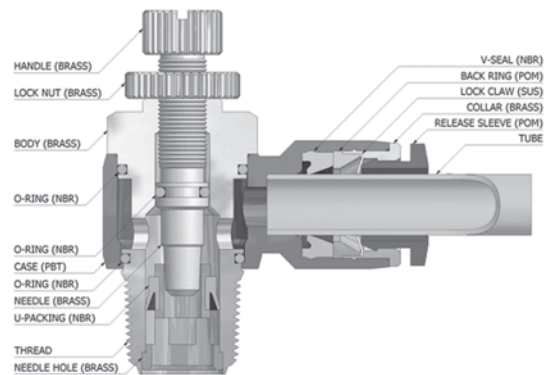
6 Applicable Tube O. D.

- 04 : Ø4
- 06 : Ø6
- 08 : Ø8
- 10 : Ø10
- 12 : Ø12

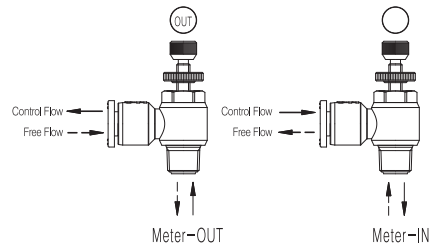
7 Sealant Screw

- S : Sealant

Structural Diagram



Controlled Method(Meter-Out/-In)

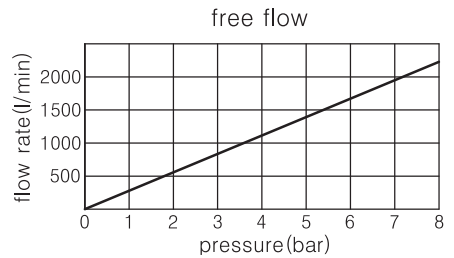
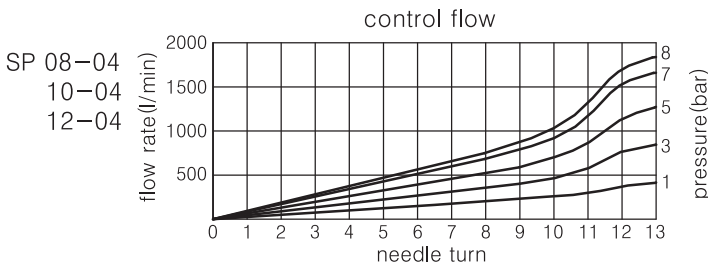
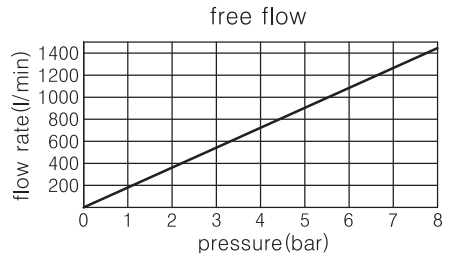
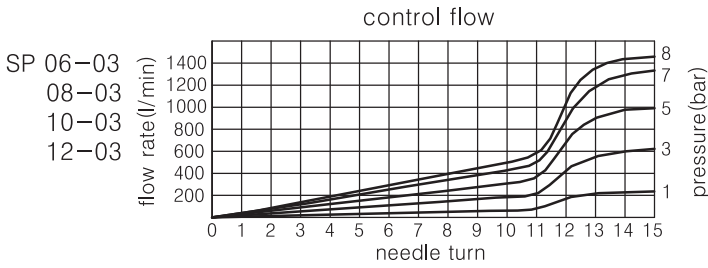
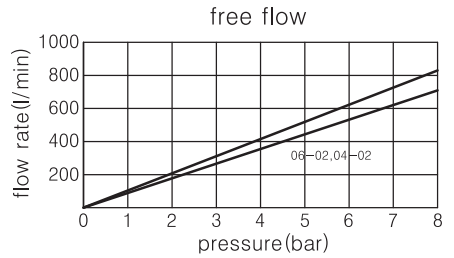
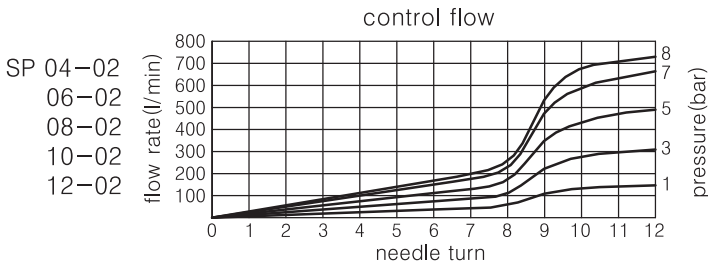
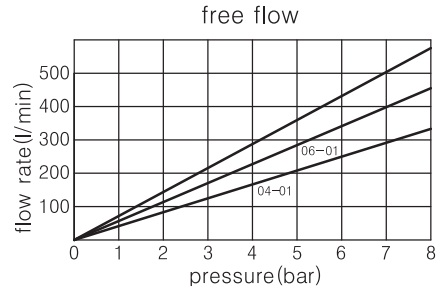
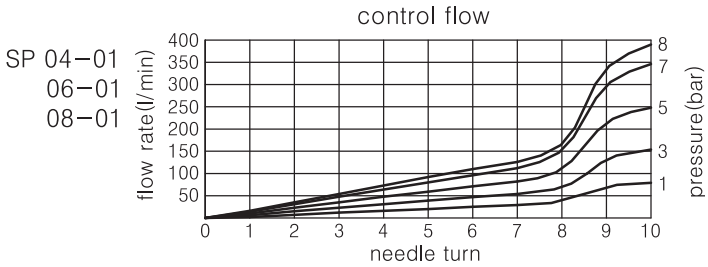
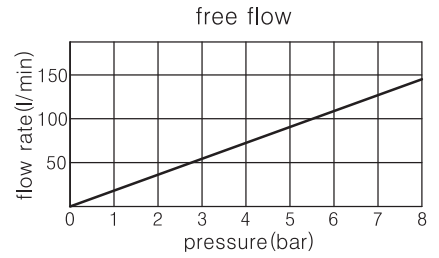
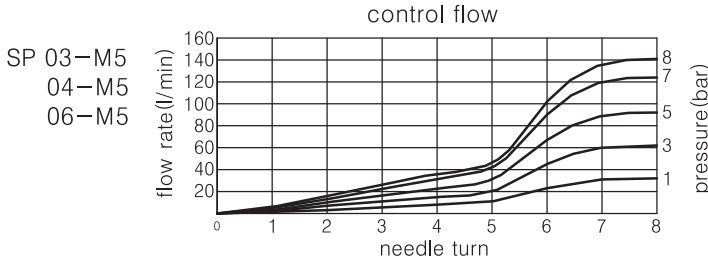


Standard Specifications

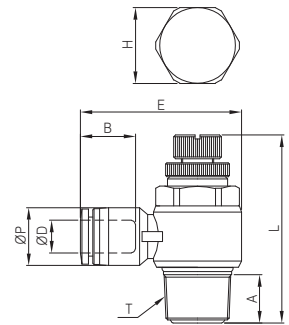
Fluid Type	Air
Max. Operating Pressure	0~150psi (0~9.9kgf/cm ²)
Ambient and Fluid Temperature	0~60 °C
Applicable Tube O.D	Ø4, Ø6, Ø8, Ø10, Ø12

SP Controlled Graph

SN
SP2000
SP4000
SQ
SC
SP
SHF·SHS
DC
SQ2
ST
SF



SP



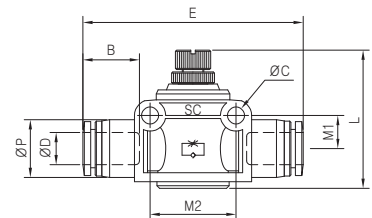
METRIC-BSPT(R)

Unit : mm

MODEL	ØD (Tube Size)	T (Tube Size)	ØP	L		E	A	B	H (Hex.)	Weight (g)
				MIN	MAX					
SP1201F-M5-04	4	M5×0.8	10.5	27.1	29.1	25.4	3.6	14.9	8	9.0
SP2201F-01-04S		R 1/8		35.5	40.7	30.5	8.2		11	20.0
SP2201F-02-04S		R 1/4		40.3	46.6	34.5	11.0		15	36.0
SP1201F-M5-06	6	M5×0.8	12.5	27.1	29.1	27.8	3.6	16.4	8	10.0
SP2201F-01-06S		R 1/8		35.5	40.7	31.3	8.2		11	21.0
SP2201F-02-06S		R 1/4		40.3	46.6	35.3	11.0		15	37.0
SP3201F-03-06S		R 3/8		46.9	54.9	38.8	12.2		19	70.0
SP4201F-04-06S		R 1/2		54.0	60.1	44.9	16.5		24	108.0
SP2201F-01-08S	8	R 1/8	14.5	35.5	40.7	33.4	8.2	18.7	11	22.0
SP2201F-02-08S		R 1/4		40.3	46.6	37.4	11.0		15	38.0
SP3201F-03-08S		R 3/8		46.9	54.9	40.4	12.2		19	71.0
SP4201F-04-08S		R 1/2		54.0	60.1	46.3	16.5		24	109.0
SP2201F-02-10S	10	R 1/4	17.5	40.3	46.6	38.8	11.0	20.1	15	42.0
SP3201F-03-10S		R 3/8		46.9	54.9	42.1	12.2		19	73.0
SP4201F-04-10S		R 1/2		54.0	60.1	47.3	16.5		24	110.0
SP3201F-03-12S	12	R 3/8	20.5	46.9	54.9	45.2	12.2	22.8	19	75.0
SP4201F-04-12S		R 1/2		54.0	60.1	50.1	16.5		24	113.0

Note) The outer dimension of SP××01F(Meter-Out) and SP××11F(Meter-In) are the same.

SPF



METRIC-BSPT(R)

Unit : mm

MODEL	ØD (Tube Size)	ØP	L		E	ØC	B	M1	M2	Weight (g)
			MIN	MAX						
SP100F-04	4	10.5	26.4	28.9	44.8	3.2	14.9	5.6	15.4	13.0
SP200F-06	6	12.5	33.5	37.9	49.6	4.3	16.4	8.0	20.4	28.0
SP205F-08	8	14.8	35.5	41.5	56.4	4.4	18.7	8.5	22.0	45.0
SP300F-10	10	17.5	40.7	48.7	61.4	4.3	20.1	10.3	28.1	84.0
SP300F-12	12	20.5	45.0	53.5	70.3	4.4	22.8	12.1	32.0	123.0

Series SP

Speed Controllers

SN
SP2000
SP4000
SQ
SC
SP
SHF·SHS
DC
SQ2
ST
SF

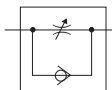
Speed Controllers



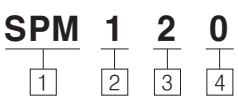
Features

- MINIMIZES INSTALLATION TIME AND COST
- BODY SWIVELS 360°
- SPEED CAN BE ACCURATELY CONTROLLED EVEN AT LOW SPEEDS
- CONSTANT SPEED IS EASILY SET

Symbol



How to Order



1 Speed Controller
(Threaded Elbow Type)

2 Port Size
1 : R(c)1/8
2 : R(c)1/4
3 : R(c)3/8
4 : R(c)1/2

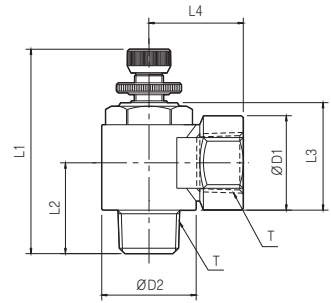
3 Type
2 : Direct connection type

4 Controlled Method
0 : Meter-Out
1 : Meter-In

Standard Specifications

Type		SPM12□	SPM22□	SPM32□	SPM42□
Port Size	Cylinder	R(c)1/8	R(c)1/4	R(c)3/8	R(c)1/2
	Tube	R(c)1/8	R(c)1/4	R(c)3/8	R(c)1/2
Proof Pressure		1.05MPa(149.3psi)			
Max. Operating Pressure		0.7MPa(99.5psi)			
Min. Operating Pressure		0.1MPa(14.2psi)			
Ambient and Fluid Temperature		5~60°C(41~140°F)			
Number of Needle Rotations		8 turns			
Weight(g)		36	74	141	238

SPM



METRIC-BSPT(R)

Unit : mm

MODEL	T	L1	L2	L3	L4	D1	D2
SPM120	R(c)1/8	46.4	18.3	18.7	17	14	15
SPM220	R(c)1/4	49.4	23.1	23.2	22	20	20
SPM320	R(c)3/8	58.5	25	29.6	26	26	26
SPM420	R(c)1/2	63.9	27.7	28.3	38.5	27.5	28.3

※ SPM × ×0(Meter-Out) and SPM× ×1 (Meter-In) are same dimension.

Series SHF · SHS

Hand Valves

SN
SP2000
SP4000
SQ
SC
SP
SHF · SHS
DC
SQ2
ST
SF

Hand Valves



Features

- THIS PRODUCT SWITCHES COMPRESSED AIR ON/OFF OF AIR PRESSURE DEVICES BY SIMPLY TURNING THE HANDLE
- MAINTENANCE OR INSPECTION IS POSSIBLE WHEN THE REMAINING PRESSURE IN THE DEVICE IS REMOVED
- A THREE-WAY VALVE DISCHARGES THE REMAINING PRESSURE OUT, AND BLOCKS THE INCOMING AIR

How to Order

SHF 10 - 10

1 2

1 Model
SHF

2 Applicable Tube O. D.
06 : Ø6
08 : Ø8
10 : Ø10
12 : Ø12

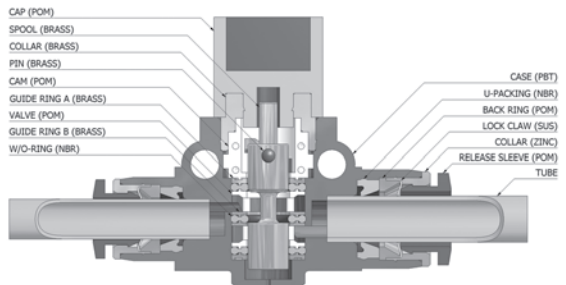
SHS M5

1 2

1 Model
SHS

2 Port Size
M5 : M5 x 0.8
01 : R 1/8
02 : R 1/4
03 : R 3/8
04 : R 1/2
06 : R 3/4

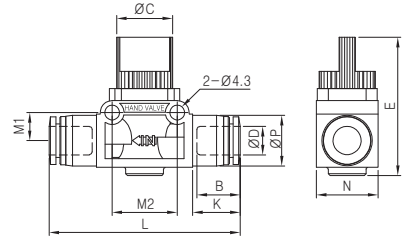
Structural Diagram



Standard Specifications

Fluid Type	Air
Max. Operating Pressure	0~150psi (0~9.9kgf/cm ²)
Ambient and Fluid Temperature	0~60 °C
Applicable Tube O.D	Ø4, Ø6, Ø8, Ø10, Ø12

SHF-00

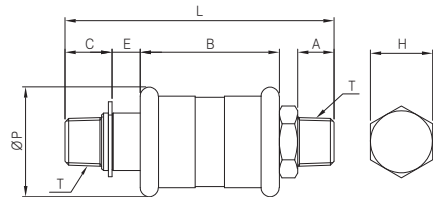


METRIC-BSPT(R)

Unit : mm

MODEL	ØD (Tube Size)	ØP	B	K	L	E	N	M1	M2	ØC	Weight (g)
SHF 06-06	6	12.5	16.4	12.3	52.6	40.3	18.0	8.2	19.0	16.3	27.0
SHF 08-08	8	14.8	18.7	13.9	55.8	40.3	18.0	8.2	19.0	16.3	28.0
SHF 10-10	10	17.5	20.1	14.4	61.8	40.5	21.2	10.9	24.0	19.3	42.0
SHF 12-12	12	20.5	22.8	17.6	68.2	40.5	21.2	10.9	24.0	19.3	47.0

SHS



METRIC-BSPT(R)

Unit : mm

MODEL	ØP	T	L	E	C	A	B	H (Hex.)	Weight (g)
SHS050-M5	19.0	M5×0.8	45.0	6.0	7.0	4.1	23.0	9	24.0
SHS100-01	24.0	R 1/8	54.0	7.2	10.8	8.0	24.0	14	45.0
SHS200-02	30.0	R 1/4	73.5	7.7	12.8	10.0	38.0	17	112.0
SHS300-03	41.0	R 3/8	83.0	8.0	14.0	11.0	44.0	27	276.0
SHS400-04	41.0	R 1/2	89.0	8.0	17.0	14.0	44.0	27	270.0
SHS500-06	49.0	R 3/4	104.5	12.5	18.0	15.0	48.0	32	407.0

Series DC

Check Valves

SN
SP2000
SP4000
SQ
SC
SP
SHF · SHS
DC
SQ2
ST
SF

Check Valves



Features

- SUITABLE FOR LOW PRESSURE APPLICATIONS
- THE VALVE ALLOWS COMPRESSED AIR FROM ONE SIDE AND BLOCKS THE INVERSE FLOW TO PROTECT AND MAINTAIN THE VACUUM LINE AND IS EASILY APPLIED TO LOW PRESSURE PIPING

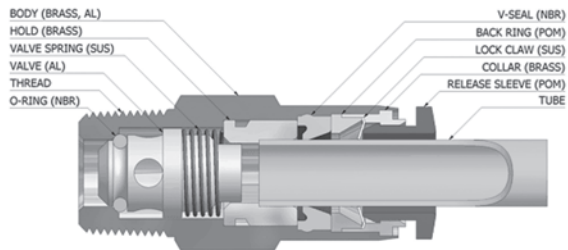
How to Order

DCH 06 - 01 S - ○

1 2 3 4 5

- | | |
|---|--|
| <p>1 Model</p> <p>2 Applicable Tube O. D.
04 : Ø4
06 : Ø6
08 : Ø8</p> <p>3 Port Size
M5 : M5 x 0.8
01 : R 1/8
02 : R 1/4
03 : R 3/8
04 : R 1/2
06 : R 3/4</p> | <p>4 Sealant Screw
S : Sealant</p> <p>5 Controlled Method
O : Out
I : In</p> |
|---|--|

Structural Diagram



Standard Specifications

Fluid Type	Air
Max. Operating Pressure	0~150psi (0~9.9kgf/cm ²)
Ambient and Fluid Temperature	0~60 °C
Applicable Tube O.D	Ø4, Ø6, Ø8

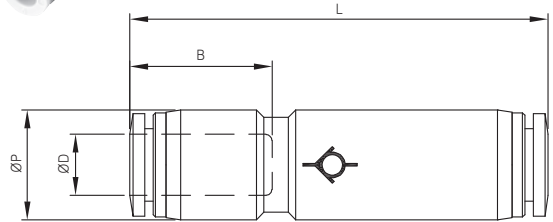
DC



METRIC-BSPT(R)

MODEL	∅D (Tube Size)	∅P	L	B	Weight (g)
DC-04-W	4	10.5	42.3	14.9	5.0
DC-06-W	6	12.5	47.5	16.4	10.0
DC-08-W	8	14.8	56.4	18.7	14.0

Unit : mm



DCF

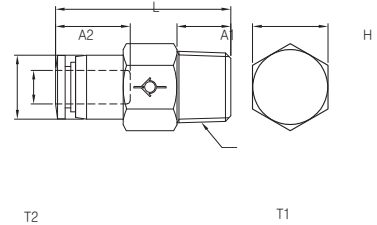


METRIC-BSPT(R)

MODEL	T1 (Tube Size)	T2 (Thread Size)	L	A1	A2	H (Hex.)	Weight (g)
DCF 01-01S-O	R 1/8	Rc 1/8	27.6	8.0	8.5	12	16.0
DCF 01-01S-I							
DCF 02-02S-O	R 1/4	Rc 1/4	33.6	10.0	11.0	17	38.0
DCF 02-02S-I							

Unit : mm

⊕ : DCH xx-xx-O (OUT)
⊖ : DCH xx-xx-I (IN)



DCH

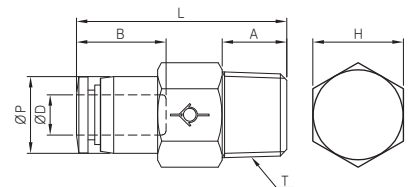


METRIC-BSPT(R)

MODEL	∅D (Tube Size)	T (Thread Size)	∅P	L	A	B	H (Hex.)	Weight (g)	
DCH 04-M5-O	4	M5×0.8	10.0	31.4	3.6	14.7	10	11.0	
DCH 04-M5-I									
DCH 04-01S-O		R 1/8		27.3	8.0		10	11.0	
DCH 04-01S-I									
DCH 06-01S-O	6	R 1/8	11.9	32.6	8.0	16.4	12	16.0	
DCH 06-01S-I									
DCH 06-02S-O		R 1/4		32.6	10.0		14	24.0	
DCH 06-01S-I									
DCH 08-01S-O	8	R 1/8	14.0	34.9	8.0	18.4	14	21.0	
DCH 08-01S-I									
DCH 08-02S-O		R 1/4		37.2	10.0		14	24.0	
DCH 08-02S-I									

Unit : mm

⊕ : DCH xx-xx-O (OUT)
⊖ : DCH xx-xx-I (IN)



Series SQ2

Two-Touch Fittings

SN
SP2000
SP4000
SQ
SC
SP
SHF · SHS
DC
SQ2
ST
SF

Two-Touch Fittings



Features

- EFFICIENT IN ENVIRONMENTS WITH VIBRATION
- MADE FROM PLASTICS TO BE SEMI-PERMANENT, HAS GOOD TOLERANCE TO CORROSION AND CHEMICALS
- SUITED FOR LOW AIR PRESSURE DEVICES

How to Order

SQ2 H 06 - 02

1
2
3

1 Model

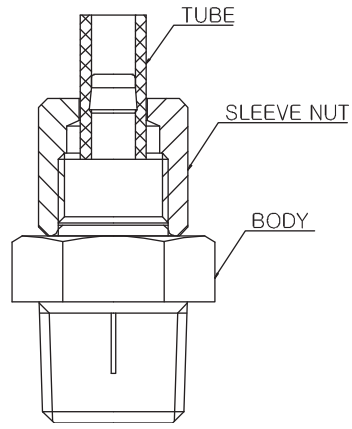
2 Applicable Tube O. D.

- 04 : Ø4
- 06 : Ø6
- 08 : Ø8
- 10 : Ø10
- 12 : Ø12

3 Port Size

- 01 : R 1/8
- 02 : R 1/4
- 03 : R 3/8

Structural Diagram



Standard Specifications

Fluid Type	Air
Max. Operating Pressure	0~150psi (0~9.9kgf/cm ²)
Ambient and Fluid Temperature	0~60 °C
Applicable Tube O.D	Ø4, Ø6, Ø8, Ø10, Ø12

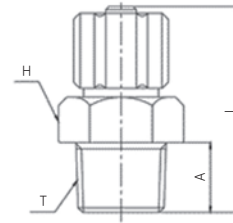
SQ2H



METRIC-BSPT(R)

Unit : mm

MODEL	Tube Size (외경×내경)	T (Thread)	L	A	H
SQ2H 04-01	04 (4×2.5)	R 1/8	24.6	8	12
SQ2H 06-01	06 (6×4)	R 1/8	27.7	8	12
SQ2H 06-02	06 (6×4)	R 1/4	31.7	11	16
SQ2H 08-01	08 (8×5.5)	R 1/8	27.7	8	13
SQ2H 08-02	08 (8×5.5)	R 1/4	31.7	11	16
SQ2H 08-03	08 (8×5.5)	R 3/8	33	12	18
SQ2H 10-02	10 (10×6.5)	R 1/4	32.2	11	17
SQ2H 10-03	10 (10×6.5)	R 3/8	33.4	12	17
SQ2H 12-02	12 (12×9)	R 1/4	34.9	11	17
SQ2H 12-03	12 (12×9)	R 3/8	36.1	12	19



Note) Tube for two-touch fitting only

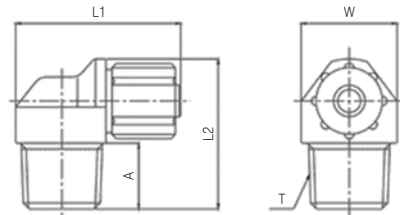
SQ2L



METRIC-BSPT(R)

Unit : mm

MODEL	Tube Size (외경×내경)	T (Thread)	L1	L2	A	W
SQ2L 04-01	04 (4×2.5)	R 1/8	23.6	20	8	12
SQ2L 06-01	06 (6×4)	R 1/8	26.7	20	8	12
SQ2L 06-02	06 (6×4)	R 1/4	30.1	23	11	16
SQ2L 08-01	08 (8×5.5)	R 1/8	28.7	22	8	14
SQ2L 08-02	08 (8×5.5)	R 1/4	30.1	25	11	16
SQ2L 08-03	08 (8×5.5)	R 3/8	32.7	26	12	18
SQ2L 10-02	10 (10×6.5)	R 1/4	30.6	27	11	17
SQ2L 10-03	10 (10×6.5)	R 3/8	33.2	28	12	18
SQ2L 12-02	12 (12×9)	R 1/4	35.9	30	11	19
SQ2L 12-03	12 (12×9)	R 3/8	36.9	31	12	19



Note) Tube for two-touch fitting only

SQ2T

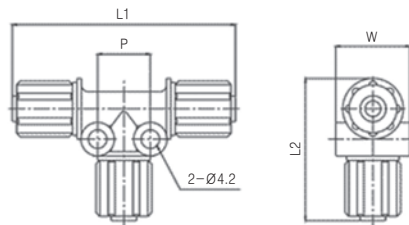


METRIC-BSPT(R)

Unit : mm

MODEL	Tube Size (외경×내경)	L1	L2	W	P
SQ2T 04-00	04 (4×2.5)	40.8	23.4	11	10
SQ2T 06-00	06 (6×4)	48.8	30.3	14	12
SQ2T 08-00	08 (8×5.5)	50.8	32.3	17	12
SQ2T 10-00	10 (10×6.5)	51.5	36	20	13
SQ2T 12-00	12 (12×9)	57.9	40.3	22	14.5

Note) Tube for two-touch fitting only



SN
SP2000
SP4000
SQ
SC
SP
SHF·SHS
DC
SQ2
ST
SF

Series **ST**

Polyurethane Tubing

● FOR GENERAL AIR PRESSURE TUBING



How to Order

ST0425

BU

1

2

1 Indication of Tube Type

2 Color Indication

B : Black
 BU : Blue
 Y : Yellow
 C : Clear

Series Table

⊙ - 100m

Description	Metric-size (series ST)							
	ST0402	ST0425	ST0604	ST0805	ST0855	ST1065	ST1208	ST1209
Tube O.Dmm	4	4	6	8	8	10	12	12
Tube I.Dmm	2	2.5	4	5	5.5	6.5	8	9
Weight(kg)	1.1	2.0	2.2	4.0	3.6	6.0	8.0	7.8
Black(B)	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Blue(BU)	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Yellow(Y)	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Clear(C)	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

Specifications

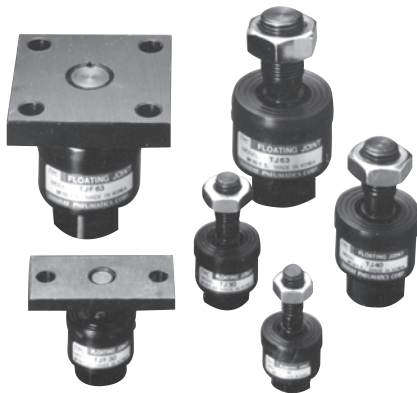
Max. Operating Pressure	75 PSI (5kgf/cm ²)				
Burst Pressure	Refer to burst pressure characteristics curve.				
Note 1) Minimum Bending Radius Inch(mm)	0.39(10)	0.59(15)	0.79(20)	1.07(27)	1.38(35)
Operating Temperature	-20~60 °C (-4~140 °F)				
Material	Polyurethane				

Note 1) The value for bending radius is at a temperature of -21 °C (-4 °F)
 (Reference) The inch sizes $\phi 5/32''$ and $\phi 5/16''$ are equivalent to $\phi 4$ and $\phi 8$ mm

Series SF

Floating Joint

Bore size(Applicable Cylinder) : Ø10, Ø16, Ø20, Ø25, Ø32, Ø40, Ø50, Ø63, Ø80, Ø100, Ø125, Ø140, Ø160

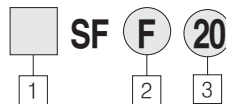


THE FLOATING JOINT ASSEMBLY PROTECTS CYLINDER INSTALLATIONS FROM ANGULAR AND LATERAL MISALIGNMENT

- ACCURATE CYLINDER ALIGNMENT NOT REQUIRED
- INSTALLATION TIME REDUCED
- ACCURATE MACHINING
- COMPACT DESIGN ALLOWS HIGH LOADING

SN
SP2000
SP4000
SQ
SC
SP
SHF · SHS
DC
SQ2
ST
SF

How to Order



1 Series

Blank : Rc(PT)
U : NPT(UNF)

2 Mounting

Blank : Standard
* F : Flange Type
* φ 10, φ 16 : Standard Type only.

3 Applicable Tube/Thread Size

Type	Applicable Cylinder Bore Size	Connection
10(1)	10(3/8 Nom)	M4×0.7(6-40UNF)
16(2)	16(5/8 Nom)	M5×0.8(10-32UNF)
20(4)	20(3/4 Nom)	M8×1.25(1/4-28UNF)
30(5)	25.30(1, 1 1/4 Nom)	M10×1.25(5/16-24UNF)
40(6)	40(1 1/2 Nom)	M14×1.5(3/8-24UNF)
63(7)	50 · 63(2, 2 1/2 Nom)	M18×1.5(9/16-20UNF)
80(8)	80(3 1/4 Nom)	M22×1.5(1/2-20UNF)
100(12)	100(4 Nom)	M26×1.5(3/4-16UNF)
140(16)	125 · 140(5, 5 1/2 Nom)	M30×1.5(1-12UNF)
160(20)	160(6 3/8 Nom)	M36×1.5(1 1/4-12UNF)

※U:NPT type.

Specifications

Operating Pressure	Air Cylinder 0.97Mpa(141psi)
	Hydraulic cylinder 3.5Mpa(498psi)
Mounting	Standard, Flange type

Cautions

- ① Ambient temperature range 5~60° C(41° F~140° F)
- ② Unscrew joint 1 or 2 turns from the end rod thread
- ③ Do not exceed axial misalignment of 5° C(41° F)
- ④ Do not exceed allowable eccentricity or life of joint could be shortened.
- ⑤ For applications other than air cylinder consult factory.
- ⑥ Joint is not suitable for rotation applications.
- ⑦ Cannot be re-used after dismantaling.
- ⑧ Sealed and pre-lubricated.

※In case of 35kgf/cm2(3.5MPa) hydraul : C cylinder, It is recommended to using within noted tension compression limit.

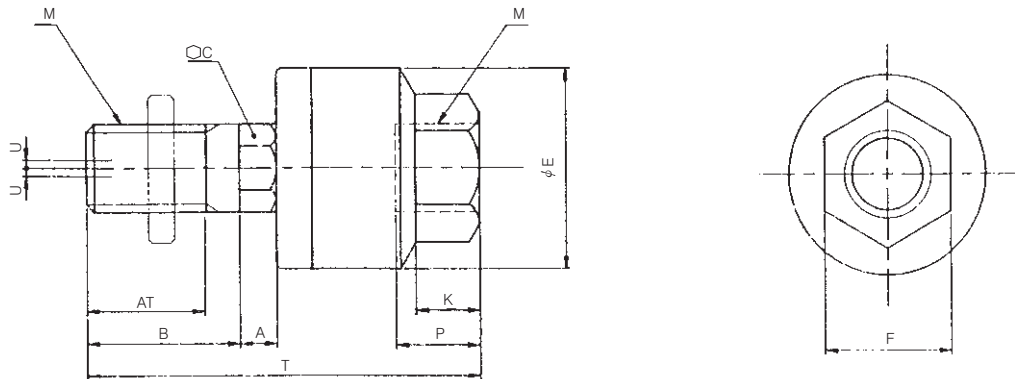
Series SF

Model

Model	Cylinder Bore mm	Thread Rc(PT)/NPT	Working thrust kgf(×0.01KN)		Allowable eccentricity Umm	Angle
			standard	flange type		
Standard / Thread size						
SF10	10	M4×0.7(6-40UNF)	5.4(0.054)	–	0.5	±5°
SF16	16	M5×0.8(10-32UNF)	12.3(0.123)	–	0.5	
SF□20	20	M8×1.25(1/4-28UNF)	110(1.1)	110(1.1)	0.5	
SF□30	25.30	M10×1.25(5/16-24UNF)	250(2.5)	250(2.5)	0.5	
SF□40	40	M14×1.5(3/8-24UNF)	600(6.0)	440(4.4)	0.75	
SF□63	50.63	M18×1.5(7/16-20UNF)	1100(11)	1100(11)	1	
SF□80	80	M22×1.5(1/2-20UNF)	1800(18)	1800(18)	1.25	
SF□100	100	M26×1.5(3/4-16UNF)	2800(28)	2800(28)	2	
SF□125	125.140	M30×1.5(1-12UNF)	5400(54)	3600(36)	2.5	
SF□160	160	M36×1.5(1 1/4-12UNF)	7100(71)	5500(55)	3	

Basic Type/Series SF

SF 10~160



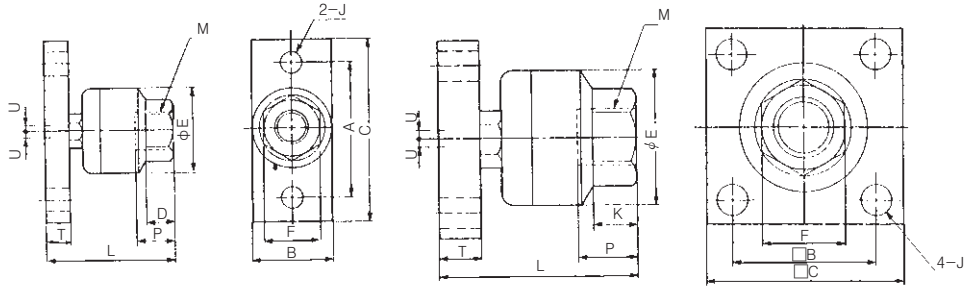
(mm)

Cylinder Size (mm)	Model	M		T	AT	B	A	C	K	E	F	P	U	kgf(KN)
		Port size	Pitch											
10	SF10	M4	0.7	26	9	10	1.5	5	4.6	12	7	5.5	0.5	5.4(0.054)
16	SF16	M5	0.8	34	12	14	2	6	5.6	16	10	7	0.5	12.3(0.123)
20	SF20	M8	1.25	45	15	16.5	5	7	7	21	13	8	0.5	110(1.1)
25.30	SF30	M10	1.25	47	17	18	5	8	8	24	17	9	0.5	250(2.5)
40	SF40	M14	1.5	62	20	22	6	11	11	31	22	13	0.75	600(6.0)
50.63	SF63	M18	1.5	75	25	26	6.5	14	13.4	41	27	15	1	1100(11)
80	SF80	M22	1.5	89	27	29	7	19	16	50	32	18	1.25	1800(18)
100	SF100	M26	1.5	110	34	36	11	24	20	59.5	41	24	2	2800(28)
125.140	SF125	M30	1.5	153	42	46	14	30	22	79	46	38	2.5	5400(54)
160	SF160	M36	1.5	179	52	56	16	36	24	96	55	42	3	7100(71)

Flange Type/Series SFF

SFF20~40

SFF50~160



(mm)

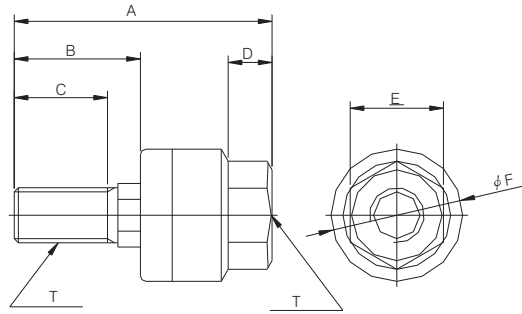
Cylinder Size (mm)	Model	M		L	B	A	C	K	E	F	T	J	P	U	kgf(KN)
		Port Size	Pitch												
20	SFF20	M8	1.25	33	19	36	48	7	21	13	6	6.6	8	0.5	110(1.1)
25,30	SFF30	M10	1.25	36	25	40	52	8	24	17	6	6.6	9	0.5	250(2.5)
40	SFF40	M14	1.5	50	32	52	70	11	31	22	9	9	13	0.75	440(4.4)
50,63	SFF63	M18	1.5	62	-	45	65	13.4	41	27	12	9	15	1	1100(11)
80	SFF80	M22	1.5	76.5	-	55	75	16	50	32	16	11	18	1.25	1800(18)
100	SFF100	M26	1.5	94	-	65	90	20	59.5	41	19	11	24	2	2800(28)
125,140	SFF125	M30	1.5	132	-	82	125	22	79	46	24	18	38	2.5	3600(36)
160	SFF160	M36	1.5	154	-	100	150	24	96	55	29	22	42	3	5500(55)

- SN
- SP2000
- SP4000
- SQ
- SC
- SP
- SHF·SHS
- DC
- SQ2
- ST
- SF

Series SF

Basic Type/Series USF

USF1 ~USF20

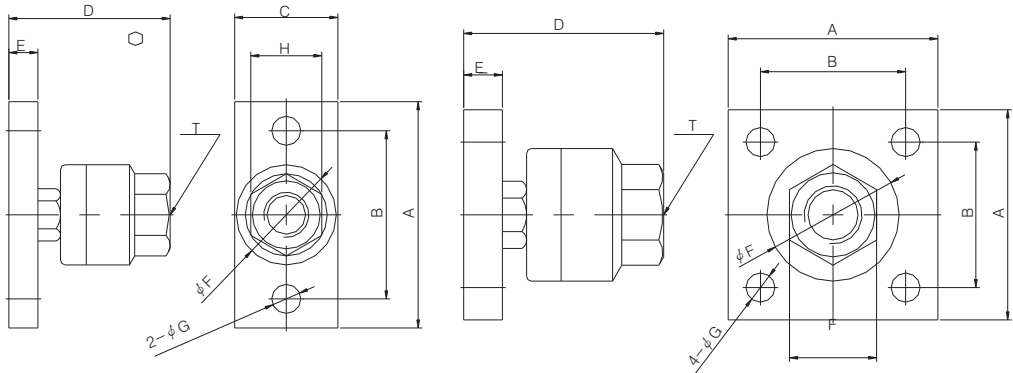


(inch)

Model	T	A	B	C	D	E	F
USF1	6-40UNF	1.02	0.45	0.35	0.22	0.28	0.47
USF2	10-32UNF	1.36	0.63	0.49	0.28	0.39	0.63
USF4	1/4-28UNF	1.77	0.85	0.59	0.31	0.51	0.83
USF5	5/16-24UNF	1.77	0.85	0.59	0.31	0.51	0.83
USF6	3/8-24UNF	1.95	0.91	0.669	0.35	0.67	0.94
USF7	7/16-20UNF	2.44	1.11	0.79	0.51	0.87	1.22
USF8	1/2-20UNF	2.95	1.28	0.98	0.59	1.06	1.61
USF12	3/4-16UNF	3.50	1.47	1.06	0.71	1.26	1.97
USF16	1-12UNF	4.33	1.85	1.34	0.94	1.61	2.32
USF20	1 1/4-12UNF	6.02	2.36	1.65	1.50	1.81	3.11

USFF4 ~USFF7

USFF8 ~USFF20



(inch)

Model	T	A	B	C	D	E	FG	H
USF4	1/4-28UNF	1.89	1.42	0.75	1.29	0.24	0.83	0.26
USF5	5/16-24UNF	1.89	1.42	0.75	1.29	0.24	0.83	0.26
USF6	3/8-24UNF	2.05	1.57	0.98	1.41	0.24	0.94	0.26
USF7	7/16-20UNF	2.76	2.05	1.26	1.96	0.35	1.22	0.35
USF8	1/2-20UNF	2.56	1.77	-	2.44	0.47	1.61	0.43
USF12	3/4-16UNF	2.95	2.17	-	3.01	0.63	1.97	0.43
USF16	1-12UNF	3.54	2.56	-	3.70	0.75	2.74	0.71
USF20	1 1/4-12UNF	4.92	3.23	-	5.19	0.94	3.11	0.51