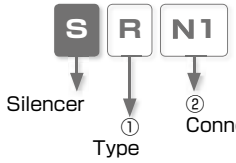
Plastic body Silencer

Silencer Series

- *Reduce Noise from Exhaust Port.*
- *Excellent Silencing Effect.*
- *Selection from 3 types.*
- *Push-In Fitting Type is Available.*

- *Available in Imperial and Metric sizes*

Model Designation (Example)



① Type

Code	Type	Code	Type	Code	Type	Code	Type
R	Taper Thread Type	U	Unified Thread Type	T	Push-In Fitting Type	M	Metric Thread Type

② Connecting port size

	Taper Pipe Thread Type				Unified Thread	Push-In Fitting Type (inch)		
Code	N1	N2	N3	N4	10	5/32	1/4	5/16
Size	1/8NPT	1/4NPT	3/8NPT	1/2NPT	10-32UNF	ø5/32"	ø1/4"	ø5/16"
Applicable type	NPT (Taper Pipe Thread Type)				U (Unified Thread)	T (Push-In Fitting Type)		

	Taper Pipe Thread Type (※)				Metric Thread Type (mm)			Push-In Fitting Type (mm)		
Code	01	02	03	04	5	6	10	4	6	8
Size	G1/8	G1/4	G3/8	G1/2	M5 × 0.8	M6 × 1	M10 × 1	ø4	ø6	ø8
Installation thread size	Rc1/8	Rc1/4	Rc3/8	Rc1/2	—			—		
Applicable type	R (Taper Pipe Thread Type)				M (Metric Thread Type)			T (Push-In Fitting Type)		

※ . Resin G thread is connectable to Rc female thread.

Specifications

Fluid medium	Air
Operating pressure range	130psi (0.9MPa)
Operating temp. range	32 ~ 140°F (0~ 60°C) (no freezing)

Standard Size List

Connection with Thread

Type	NPT male thread				Parallel male thread			
	1/8NPT	1/4NPT	3/8NPT	1/2NPT	G1/8	G1/4	G3/8	G1/2
SR Taper Thread Type	●	●	●	●	●	●	●	●

Type	Unified male thread
	10-32 UNF
SU Unified Thread Type	●

Type	Metric male thread (mm)		
	M5 × 0.8	M6 × 1	M10 × 1
SM Metric Thread Type	●	●	●

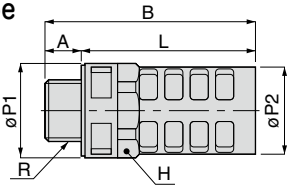
Connection with Tube

Type	Tube O.D. (inch)			Tube O.D. (mm)		
	5/32	1/4	5/16	4	6	8
ST Push-In Fitting Type	●	●	●	●	●	●

Imperial size

SR Taper Thread Type

RoHS compliant

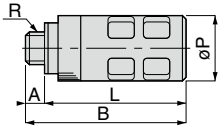


Unit : mm

Model code	R	A	B	L	øP1	øP2	Hex. H	Silencing Effect. (dB)	Effective area (mm^2)	Weight (g)
SRN1	1/8-27NPT	8	30.2	22.2	15.5	15	–	25	12	2.4
SRN2	1/4-18NPT	11	41.2	30.2	17.5	17	–	30	18	4.3
SRN3	3/8-18NPT	12	60	48	26	24	24	20	62	12
SRN4	1/2-14NPT	15	69	54	29	26	27	25	78	15

SM Metric Thread Type

RoHS compliant

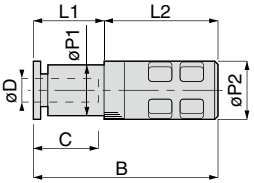


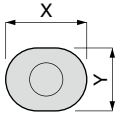
Unit : mm

Model code	R	A	B	L	øP	Silencing Effect (dB)	Effective area (mm^2)	Weight (g)
SU10	10-32 UNF	3	24.5	21.5	10	20	3.8	3.4

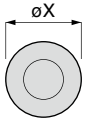
ST Push-In Fitting Type

RoHS compliant





Release ring
Mini type
øD : 4~6



Release ring
Standard type

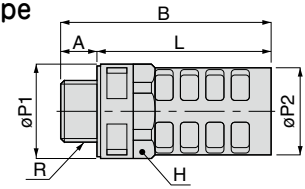
Unit : mm

Model code	Tube O.D. øD	B	L1	L2	Tube end C	øP1	øP2	Silencing Effect (dB)	Effective area (mm^2)	X (øX)	Y	Weight (g)
ST5/32	5/32"	31.6	12.1	19.5	10.9	8.5	10	20	3.5	9.8	7.8	5.3
ST1/4	1/4"	34.8	12.6	22.2	11.8	11	15.5	20	10.5	11.8	9.8	3.7
ST5/16	5/16"	48.9	18.7	30.2	18.1	14.5	17.5	20	17.0	13.8	–	8

Metric size

SR Taper Thread Type

RoHS compliant

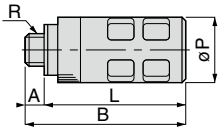


Unit : mm

Model code	R	A	B	L	øP1	øP2	Hex. H	Silencing Effect (dB)	Effective area (mm^2)	Weight (g)	CAD file name
SR01	G1/8	6	28.2	22.2	15.5	15	–	25	12	2.3	SR01
SR02	G1/4	8	38.2	30.2	17.5	17	–	30	18	3.9	SR02
SR03	G3/8	10	58	48	26	24	24	20	62	12	SR03
SR04	G1/2	12	66	54	29	26	27	25	78	16	SR04

SM Metric Thread Type

RoHS compliant

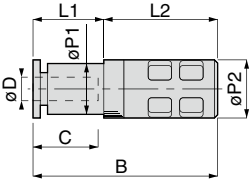


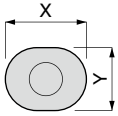
Unit : mm

Model code	R	A	B	L	øP	Silencing Effect (dB)	Effective area (mm^2)	Weight (g)	CAD file name
SM5	M5 × 0.8	3	24.5	21.5	10	20	3.8	3.4	SM5
SM6	M6 × 1	4	25.5	21.5	10	20	4.3	3.7	SM6
SM10	M10 × 1	3.2	20.7	17.5	16	25	8.0	6.6	SM10

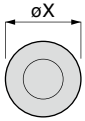
ST Push-In Fitting Type

RoHS compliant





Release ring
Mini type
øD : 4~6



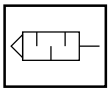
Release ring
Standard type

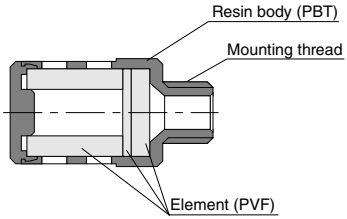
Unit : mm

Model code	Tube O.D. øD	B	L1	L2	Tube end C	øP1	øP2	Silencing Effect (dB)	Effective area (mm^2)	X (øX)	Y	Weight (g)	CAD file name
ST4	4	31.6	12.1	19.5	10.9	8.5	10	20	3.5	9.8	7.8	5.3	ST4
ST6	6	34.6	12.4	22.2	11.6	11	15.5	20	10.5	11.8	9.8	3.7	ST6
ST8	8	48.9	18.7	30.2	18.1	14.5	17.5	20	17.0	13.8	–	8	ST8

■ Construction (Taper Thread Type: SR)

Symbol





⚠ Detailed Safety Instructions

Before using PISCO products, be sure to read "Safety Instructions" and "Safety Instruction Manual" and "Common Safety Instructions for Controllers".

Caution

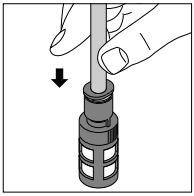
1. The clogging of silencer element increases exhaust-resistance. It can cause a decline in all system performance or damage to silencer.
2. Make sure to follow "2. Instructions for Installing Controllers" in "Common Safety Instructions for Controllers" when tightening thread. Resin thread and a knurling knob should be tightened by hand, so improper tightening may cause a loosened thread or damage to Silencer.
3. In case of function problem due to the clogging of element, replace Silencer to a new one. The element of Silencer is not replaceable.

■ How to insert and disconnect

1. How to insert and disconnect tubes

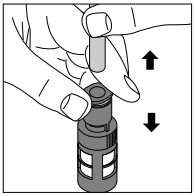
① Tube insertion

Insert a tube into Push-In Fitting up to the tube end. Lock-claws bite the tube and fix it automatically, then the elastic sleeve seals around the tube.
Refer to "2. Instructions for Tube Insertion" under "Common Safety Instructions for Fittings" .



② Tube disconnection

The tube is disconnected by pushing release-ring to release Lock-claws.
Make sure to stop air supply before the tube disconnection.



2. How to tighten thread

① Tightening thread

Use a spanner to tighten a hexagonal-column. Tighten a knurling knob by hand.
Refer to "Table: Recommended tightening torque" under "2. Instructions for Installing Controllers" in "Common Safety Instructions for Controllers".