

Silencer Compact Bore Type size : resin body

SL/SLW Series

Noise reduction effect of 30 dB [A] or more.

● Port size : M5, R1/8 to R1/2

Circuit Diagram
Symbol



RoHS

Model No. Notation

SL - M5

Model No.

Port size
M5 x 0.8

SLW - 6A

Model No.

❶ Port Size

Note) Sales unit is 2 pcs./bag.

❶Port Size

Code	Content
6A	R1/8
6N	NPT1/8
6G	G1/8
8A	R1/4
8N	NPT1/4
8G	G1/4
10A	R3/8
10N	NPT3/8
10G	G3/8
15A	R1/2
15N	NPT 1/2
15G	G1/2

Outdoor Specification

(Catalog No. CC-1276AA)

● Outdoor components products that support outdoor equipment in harsh environments

SL - · · · · - W

Ozone Compatible Specification

Ozone-proof specifications are available as standard.

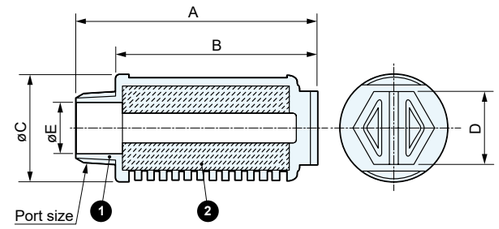
Specifications

Item	SL-M5	SLW-6□	SLW-8□	SLW-10□	SLW-15□
Operating Fluid	Compressed Air				
Max. Operating pressure MPa	1.0				
Min. Operating pressure MPa	0				
Proof pressure MPa	1.5				
Fluid Temperature °C	5 to 60 (No freezing *1)				
Ambient Temperature °C	-10 to 60 (No freezing)				
Port size R/NPT/G	M5	1/8	1/4	3/8	1/2
Weight g	5	3.5	7.5	15	21
Applicable cylinder bore size mm	ø6 to ø15	ø20 to ø80	ø32 to ø80	ø50 to ø100	ø50 to ø100
Noise reduction effect dB	20 or more	30 or more			
Flow rate *2 L/min (ANR)	300	650	1300	2000	4850
Effective cross-sectional area mm^2	5	10	20	30	75

*1 : Freezing may occur due to adiabatic expansion depending on the air quality (dew point).
*2 : Flow rate is the atmospheric pressure conversion value at pressure 0.5 MPa.

Dimensions / Internal structure / Materials

●SLW-6A/8A/10A/15A

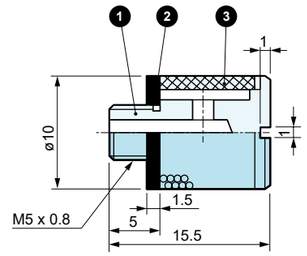


No.	Part Name	Material	Color
1	Body	Polyamide resin (flame-resistant resin *)	White
2	Element	PP sintered resin	White

* UL94 Standards V-0 equivalent

Model No.	A	B	C	D	E	Port size A	Port size N
SLW-6□	34	28	16.5	10	7	R1/8	NPT1/8
SLW-8□	44.5	36	20	13	8.5	R1/4	NPT1/4
SLW-10□	58.5	48.5	25.5	17	12	R3/8	NPT3/8
SLW-15□	71.4	58.4	28	19	15	R1/2	NPT1/2

●SL-M5



No.	Part Name	Material
1	Body	Brass
2	Gasket	Nitrile Rubber
3	Element	Brass sintering

Notes on Use

● Use tightening torque equivalent to the tightening strength of a human hand. (Refer to the table below for tightening torque guidelines.)

Thread Size	Tightening Torque (N·m)
M5	1.0
R1/8	1.0
R1/4	2.5
R3/8	3.0
R1/2	3.0



Silencer:High noise reduction/Compact Bore Type size/resin body

SLW-□A-H Series

● Port size : R1/4 to R1/2

Circuit Diagram Symbol

RoHS

Model No. Notation

SLW - 8A - H

Model No. | ❶ Port Size | High noise reduction

❶ Port Size

Code	Content
8A	R1/4
10A	R3/8
15A	R1/2

Notes on Use

● Use tightening torque equivalent to the tightening strength of a human hand and do not apply a lateral load. (Refer to the table below for tightening torque guidelines.)

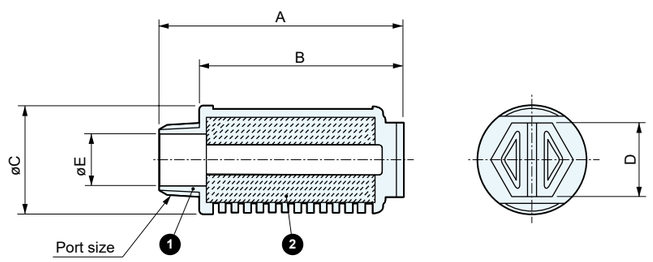
Thread Size	Tightening Torque (N·m)
R1/4	2.5
R3/8	3.0
R1/2	3.0

Specifications

Item		SLW-8A-H	SLW-10A-H	SLW-15A-H
Operating Fluid		Compressed Air		
Max. Operating pressure	MPa	1.0		
Min. Operating pressure	MPa	0		
Proof pressure	MPa	1.5		
Fluid Temperature	°C	5 to 60 (No freezing *1)		
Ambient Temperature	°C	-10 to 60 (No freezing)		
Port Size	R	1/4	3/8	1/2
Weight	g	7.5	15	21
Compatible cylinder bore size	mm	ø32 to ø80	ø50 to ø100	ø50 to ø100
Noise reduction effect	dB [A]	40 or more		
Flow rate *2	L/min (ANR)	1000	2000	3250
Effective cross-sectional area	mm^2	15	30	50

*1 : Freezing may occur due to adiabatic expansion depending on the air quality (dew point).
*2 : Flow rate is the atmospheric pressure conversion value at pressure 0.5 MPa.

Dimensions / Internal structure / Materials



Model No.	A	B	C	D	E	Port size
SLW-8A-H	44.5	36	20	13	8.5	R1/4
SLW-10A-H	58.5	48.5	25.5	17	12	R3/8
SLW-15A-H	71.4	58.4	28	19	15	R1/2

No.	Part Name	Material	Color
1	Body	Polyamide resin (flame-resistant resin *)	White
2	Element	PP sintered resin	Light yellow

* UL94 Standards V-0 equivalent



Silencer:Large flow rate/Compact Bore Type size/resin body

SLW-□L Series

● Port size : R1/4, R3/8

Circuit Diagram Symbol

RoHS

Model No. Notation

SLW - 8 L

Model No. | ❶ Port Size | High flow rate type

❶ Port Size

Code	Content
8	R1/4
10	R3/8

Notes on Use

● Use tightening torque equivalent to the tightening strength of a human hand. (Refer to the table below for tightening torque guidelines.)

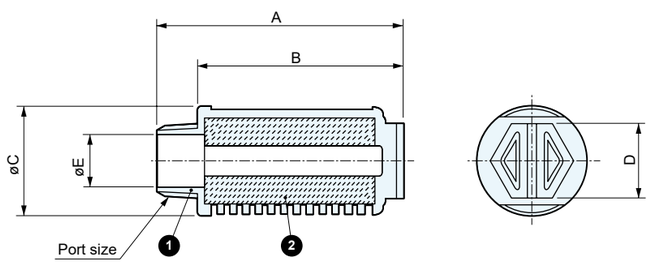
Thread Size	Tightening Torque (N·m)
R1/4	2.5
R3/8	3.0

Specifications

Item		SLW-8L	SLW-10L
Operating Fluid		Compressed Air	
Max. Operating pressure	MPa	1.0	
Min. Operating pressure	MPa	0	
Proof pressure	MPa	1.5	
Fluid Temperature	°C	5 to 60 (No freezing *1)	
Ambient Temperature	°C	-10 to 60 (No freezing)	
Port Size	R	1/4	3/8
Weight	g	15	19.5
Compatible cylinder bore size	mm	ø32 to ø80	ø50 to ø100
Noise reduction effect	dB [A]	30 or more	
Flow rate *2	L/min (ANR)	2000	4000
Effective cross-sectional area	mm^2	30	60

*1 : Freezing may occur due to adiabatic expansion depending on the air quality (dew point).
*2 : Flow rate is the atmospheric pressure conversion value at pressure 0.5 MPa.

Dimensions / Internal structure / Materials



Model No.	A	B	C	D	E	Port size
SLW-8L	57.4	48.5	25.5	17	8.5	R1/4
SLW-10L	68.2	58.4	28	19	12	R3/8

No.	Part Name	Material	Color
1	Body	Polyamide resin (flame-resistant resin *)	White
2	Element	PP sintered resin	White

* UL94 Standards V-0 equivalent



Silencer : High noise reduction/compact

SLW-6S/8S Series

Compact and lightweight, with a noise reduction effect of 25 dB [A] and over

Circuit Diagram Symbol 

RoHS

Model No. Notation

SLW - 8 S

- SLW: Model No.
- 8: ❶ Port Size
- S: Compact Type

❶Port Size

Code	Content
6	R1/8
8	R1/4

Notes on Use

Use tightening torque equivalent to the tightening strength of a human hand. (Refer to the table below for tightening torque guidelines.)

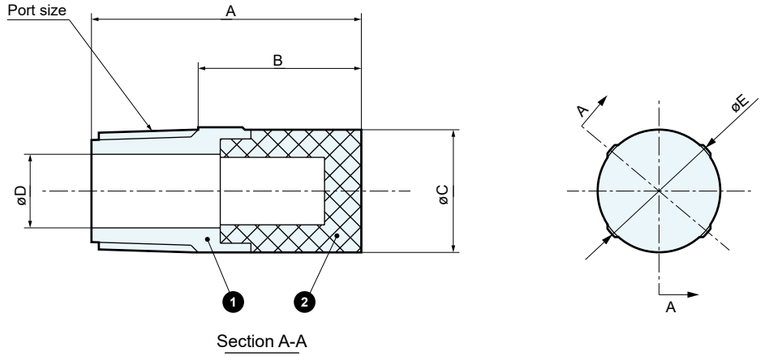
Thread Size	Tightening Torque (N·m)
R1/8	0.1 to 0.15
R1/4	0.15 to 0.25

Specifications

Item		SLW-6S	SLW-8S
Operating Fluid		Compressed Air	
Max. Operating pressure	MPa	1.0	
Min. Operating pressure	MPa	0	
Proof pressure	MPa	1.5	
Fluid Temperature	°C	5 to 60 (No freezing *1)	
Ambient Temperature	°C	-10 to 60 (No freezing)	
Port Size	R	1/8	1/4
Weight	g	1.0	2.0
Compatible cylinder bore size	mm	ø20 to ø80	ø32 to ø80
Noise reduction effect	dB [A]	25 or more	28 or more
Flow rate *2	L/min (ANR)	800	1900
Effective cross-sectional area	mm^2	12	30

*1 : Freezing may occur due to adiabatic expansion depending on the air quality (dew point).
*2 : Flow rate is the atmospheric pressure conversion value at pressure 0.5 MPa.

Dimensions / Internal structure / Materials



Section A-A

Model No.	Port size	A	B	C	D	E
SLW-6S	R1/8	22	13.3	10.5	6	10.5
SLW-8S	R1/4	28	19	14.8	9	15.4

No.	Part Name	Material	Color
1	Body	PP	White
2	Element	PP sintered resin	White



Silencer:High noise reduction/compact

SLW-20S Series

Compact with a noise reduction effect of 30 dB [A] and over

Circuit Diagram Symbol 

RoHS

Model No. Notation

SLW - 20S

- SLW: Model No.
- 20S: Port size R3/4

Notes on Use

Use tightening torque equivalent to the tightening strength of a human hand. (Refer to the table below for tightening torque guidelines.)

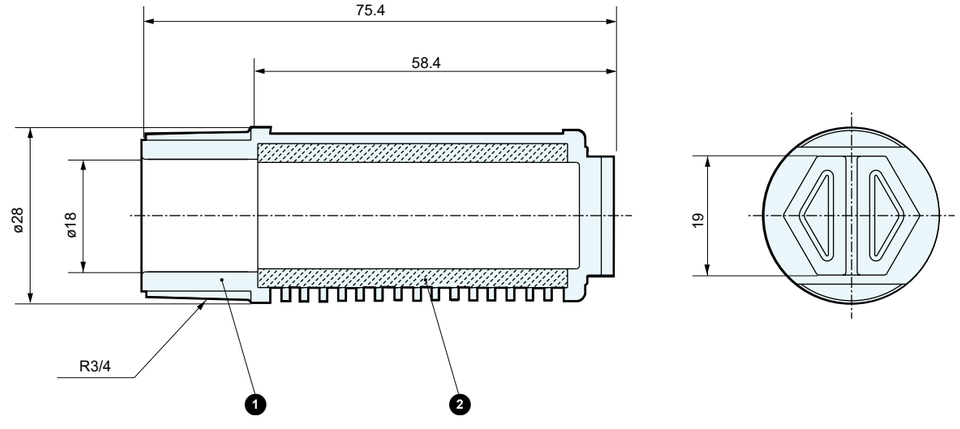
Thread Size	Tightening Torque (N·m)
R3/4	3.0

Specifications

Item		SLW-20S
Operating Fluid		Compressed Air
Max. Operating pressure	MPa	1.0
Min. Operating pressure	MPa	0
Proof pressure	MPa	1.5
Fluid Temperature	°C	5 to 60 (No freezing *1)
Ambient Temperature	°C	-10 to 60 (No freezing)
Port Size	R	3/4
Weight	g	20
Compatible cylinder bore size	mm	ø100 to ø200
Noise reduction effect	dB [A]	30 or more
Flow rate *2	L/min (ANR)	6000
Effective cross-sectional area	mm^2	90

*1 : Freezing may occur due to adiabatic expansion depending on the air quality (dew point).
*2 : Flow rate is the atmospheric pressure conversion value at pressure 0.5 MPa.

Dimensions / Internal structure / Materials



No.	Part Name	Material	Color
1	Body	Polyamide resin (flame-resistant resin *)	White
2	Element	PP sintered resin	White

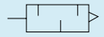
* UL94 Standards V-0 equivalent



Silencer Push-in

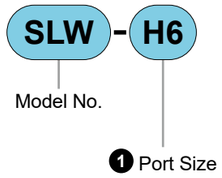
SLW-H□ Series

● Port size : ø6, ø8, ø10, ø12

Circuit Diagram Symbol 

RoHS

Model No. Notation



1 Port Size

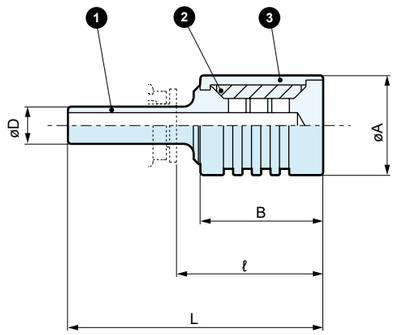
Code	Content
H6	ø6
H8	ø8
H10	ø10
H12	ø12

Specifications

Item		SLW-H6	SLW-H8	SLW-H10	SLW-H12
Operating Fluid		Compressed Air			
Max. Operating pressure	MPa	0.7			
Min. Operating pressure	MPa	0			
Proof pressure	MPa	1.05			
Fluid Temperature	°C	5 to 60 (No freezing *1)			
Ambient Temperature	°C	-10 to 60 (No freezing)			
Port size		ø6	ø8	ø10	ø12
Weight	g	3.5	3.5	6.2	12.5
Noise reduction effect	dB (A)	20 or more			
Flow rate *2	L/min	455	550	1135	1655
Effective cross-sectional area	mm²	7	8.5	17.5	25.5

*1 : Freezing may occur due to adiabatic expansion depending on the air quality (dew point).
*2 : Flow rate is the atmospheric pressure conversion value at pressure 0.5 MPa.

Dimensions / Internal structure / Materials



Model No.	A	B	D	L	ℓ *
SLW-H6	16	20	ø6	41	23.5
SLW-H8	16	20	ø8	42	23
SLW-H10	20	27	ø10	53	31.5
SLW-H12	25	37	ø12	66	43

* Dimensions for CKD fittings (GW Series).

No.	Part Name	Material
1	Shaft body	Polyamide resin
2	Element	Felt
3	Cover	Polyamide resin



Silencer/Miniature Type

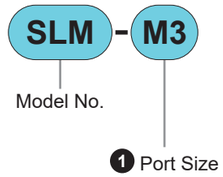
SLM Series

Compact with a noise reduction effect of 20 dB [A] and over

Circuit Diagram Symbol 

RoHS

Model No. Notation



1 Port Size

Code	Content
M3	M3
M5	M5

Note) Sales unit is 10 pcs./bag.

Ozone Compatible Specification

Ozone-proof specifications are available as standard.

Notes on Use

● Use tightening torque equivalent to the tightening strength of a human hand. (Refer to the table below for tightening torque guidelines.)

Thread Size	Tightening Torque (N·m)
M3	0.1 to 0.15
M5	0.2 to 0.25

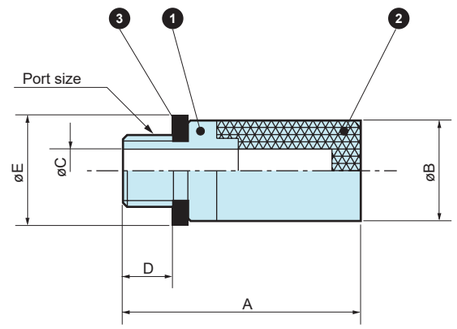
● Avoid use in areas with large vibration or impact. Provide measures against loosening in such areas.

Specifications

Item		SLM-M3	SLM-M5
Operating Fluid		Compressed Air	
Max. Operating pressure	MPa	1.0	
Min. Operating pressure	MPa	0	
Proof pressure	MPa	1.5	
Fluid Temperature	°C	5 to 60 (No freezing *1)	
Ambient Temperature	°C	-10 to 60 (No freezing)	
Port Size		M3	M5
Weight	g	1.0	3.0
Compatible cylinder bore size	mm	ø6 or less	ø6 to ø15
Noise reduction effect	dB [A]	20 or more	
Flow rate *2	L/min (ANR)	60	350
Effective cross-sectional area	mm²	1	5

*1 : Freezing may occur due to adiabatic expansion depending on the air quality (dew point).
*2 : Flow rate is the atmospheric pressure conversion value at pressure 0.5 MPa.

Dimensions / Internal structure / Materials



Model No.	A	B	C	D	E	Port size
SLM-M3	9	5.5	1.4	2.6	4.9	M3 x 0.5
SLM-M5	16.5	7	3	3.4	7.8	M5 x 0.8

No.	Part Name	Material	Color
1	Body	Copper alloy	Silver
2	Element	Brass sintering	Silver
3	Gasket	Nitrile rubber+Steel	-