

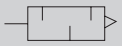
Silencer Small bore size/resin body

SL/SLW Series

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

● Port size: M5 / R1/8 to R1/2

JIS symbol



RoHS CAD

Specifications

Item	SL-M5	SLW-6□	SLW-8□	SLW-10□	SLW-15□
Working fluid	Compressed air				
Max. working pressure MPa	1.0 (≈150 psi, 10 bar)				
Min. working pressure MPa	0 (≈0 psi, 0 bar)				
Proof pressure MPa	1.5 (≈220 psi, 15 bar)				
Fluid temperature °C	5 (41°F) to 60 (140°F) (no freezing. *2)				
Ambient temperature °C	-10 (14°F) to 60 (140°F) (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
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 *1 ℓ/min (ANR)	300	650	1300	2000	4850
Effective cross-sectional area mm^2	5	10	20	30	75

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

How to order

SL – M5

Ⓐ Port size	
M5	M5×0.8

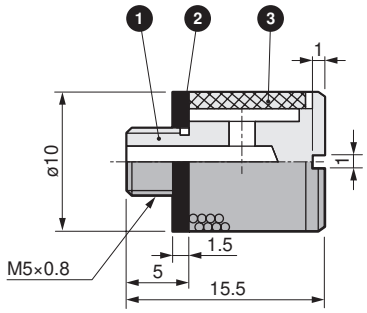
Note: Sales unit is 2 pcs./bag.

SLW – 6A

Ⓐ Port size	
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	NPT1/2
15G	G1/2

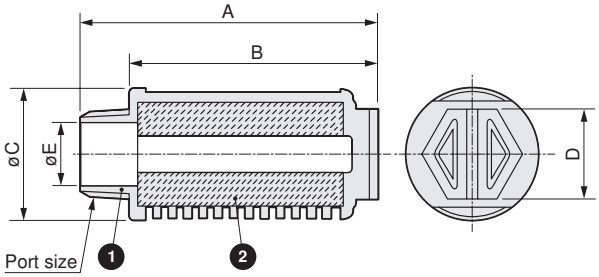
Internal structure and parts list/dimensions CAD

● SL-M5



No.	Part name	Material
1	Body	Copper alloy
2	Gasket	Nitrile rubber
3	Element	Copper alloy sintering

● 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	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

⚠ Safety precautions

● 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