

SL-W Series

● Port size: R1/4 to R1/2

JIS symbol



Specifications

| Item | SL-8A-W | SL-10A-W | SL-15A-W |
|--|-------------------------|-------------|-------------|
| Working fluid | Compressed air | | |
| Max. working pressure MPa | 0.9 | | |
| Min. working pressure MPa | 0 | | |
| Proof pressure MPa | 1.35 | | |
| Fluid temperature °C | 5 to 60 | | |
| Ambient temperature °C | -10 to 60 (no freezing) | | |
| Port size | R 1/4 | R 3/8 | R 1/2 |
| Weight g | 75 | 100 | 105 |
| Compatible cylinder tube size | ø50 to ø100 | ø63 to ø140 | ø75 to ø180 |
| Noise reduction effect dB [A] | 20 or more | | |
| Flow rate *1 ℓ/min(ANR) | 2400 | 3200 | 4100 |
| Effective cross-sectional area mm ² | 36 | 48 | 61 |

*1: Flow rate is the atmospheric pressure conversion value at pressure 0.5 MPa.

How to order

SL - **8A** - W

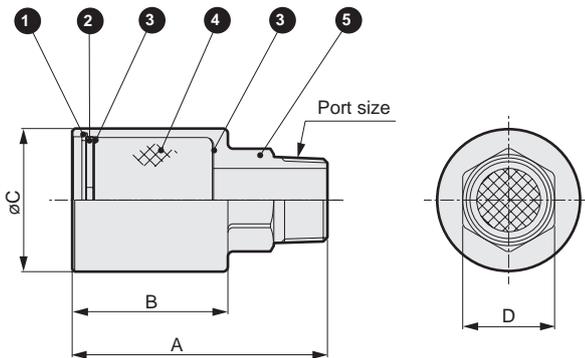
● Replacement element

SL - **8A** - EL

| A Port size | |
|-------------|-------|
| 8A | R 1/4 |
| 10A | R 3/8 |
| 15A | R 1/2 |

Dimensions/Internal structure and main parts list

● SL-8A to 15A-W



| Model No. | Port size | A | B | øC | D |
|-----------|-----------|------|------|----|----|
| SL-8A-W | R 1/4 | 64 | 41 | 30 | 17 |
| SL-10A-W | R 3/8 | 74.5 | 49.5 | 36 | 24 |
| SL-15A-W | R 1/2 | 77.5 | 49.5 | 36 | 24 |

| Part No. | Part name | Material |
|----------|------------------|---------------------|
| 1 | C-snap ring | Stainless steel |
| 2 | Perforated metal | Stainless steel |
| 3 | Wire mesh | Stainless steel |
| 4 | Element | Vinylidene chloride |
| 5 | Body | Aluminum |

⚠️ Precautions for use

■ Design/selection

⚠️ WARNING

- This product is for industrial use. Do not use for medical purposes, or in any equipment or circuit that concerns human life.

■ Working environment

- This product has outdoor specifications, but should not be used in the following environments.
 - When the ambient temperature and product temperature exceed the range of -10 to 60°C. (The product temperature is at risk of exceeding the ambient temperature when exposed to direct sunlight.)
 - When air freezes.
 - In atmospheres containing corrosive gases, liquids and chemicals.
 - Locations with vibration or impact.

■ Use/maintenance

⚠️ WARNING

- Do not install the exhaust outlet of the silencer facing upward. Also, implement measures to prevent foreign matter, dust, and rainwater from entering the exhaust outlet.

⚠️ CAUTION

- Tighten pipes with the appropriate torque.
- Silencing values are based on JIS standards. Silencing could vary with the type of circuit and pressure used.
- Use only compressed air. Air containing corrosive gases, fluids, or chemicals could result in body damage or rubber deterioration.
- This product guarantees outdoor use, but not corrosion resistance (no rust or discoloration).

(Recommended tightening torque)

| Port thread | Tightening torque N·m |
|-------------|-----------------------|
| R 1/4 | 6 to 8 |
| R 3/8 | 13 to 15 |
| R 1/2 | 16 to 18 |

⚠️ CAUTION

- Do not apply a load to the product unless it is within the parameters of use. (Do not climb/step onto the product.)
- Check that the C-snap ring of the silencer does not pop off when removed or attached.
- Assemble the C-snap ring of the silencer accurately when replacing the element. Parts used inside could pop out and cause problems if assembly is not complete.
- Depending on the working status, the element could clog and reduce exhaust in the silencer. Service, clean, and replace the element of the product regularly.