



# Silencers

**SLU 50**  
**SLCU 50**



**SLU 100**  
**SLCU 100**



**SLGU 100**  
**SLGU 150**



**SLBU**  
**SLCBU 100**  
**SLBGU 100**



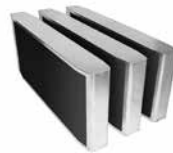
**BSLU 50**  
**BSLCU 50**



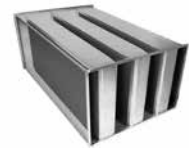
**BSLU 100**  
**BSLCU 100**



**SLRA**



**SLRS**



**LRCFU**  
**LRCA**



**LRCB**



**LRBCB**



**LRLB**



**DLD**



**DLDY**



**DLDR**



**BDL D**



# Circular silencers

SLU, SLCU, SLGU, SLBU, SLCBU, SLBGU, BSLU, BSLCU, LRCFU, LRCA, LRCB, LRBCB

## Installation

In order to fulfil the requirements for air-tightness class D, the silencers must be installed as per 'Assembly Instruction Lindab Safe'.

LRCFU, LRCA, LRCB and LRBCB comply with air-tightness class C.

For dimension Ø 400 and larger, the loose inlet plugs must first be secured in the silencer (does not apply to LRCFU, LRCA, LRCB and LRBCB).

Catalogue values for attenuation are specified for installations in a straight duct, where the sound field have been guided straight. Positioning in a diffuse sound field, e.g. immediately after a fan or bend, means better attenuation.

Installation of two similar silencers in line immediately after each other means that you cannot completely count the silencing of the second silencer. For large draughts, the second silencer only contributes a few dB at 1000 Hz and 10 or so dB at high and low frequencies.

## Maintenance

Silencers can be cleaned by rotating nylon brush or vacuum cleaner.

# Circular silencers

SLU, SLCU, SLGU, SLBU, SLCBU, SLBGU, BSLU, BSLCU, LRCFU, LRCA, LRCB, LRBCB

## Fire classification according to Swedish regulations.

### Fire classes

Silencer	Insulation thickness nominal mm	Diameter nominal mm	Fire classes
SLCU BSLCU	50	80–400 125–315	EI 30, E 120
SLCU BSLCU SLCBU	100	80–800 125–630 315–800	EI 60, E 120
SLGU SLBGU	100	80–800 315–800	EI 15, E 60
SLGU	150	80–250	EI 30, E 60
LRCFU	–	100–400	EI 30, E 60

### Alternative fire classes with protection distance

To make use of the silencer's alternative to fire classes:

- the protective distance (see table below) should be observed.
- the silencer's surface must not be changed, e.g. by paint coating.

Silencer	Insulation thickness nominal mm	Diameter nominal mm	Alternative fire classes with protection distance	Protective distance at the radiation intensity of		
				3 kW/m <sup>2</sup> (evacuation person) mm	10 kW/m <sup>2</sup> (Interior material) (combust. material) mm	30 kW/m <sup>2</sup> (building material) (wood) mm
SLCU BSLCU	50	80–400 125–315	EI 120	50	5	5
SLCU BSLCU SLCBU	100	80–800 125–630 315–800	EI 120	50	5	5
SLGU	100	80–315	EI 60	50	5	5
		400–800	EI 30 EI 60			
SLBGU	100	315	EI 60	50	5	5
		400–800	EI 30 EI 60			
SLGU	150	80–250	EI 60	50	5	5
LRCFU	–	100–400	EI 60	10	10	10

# Rectangular silencers

DLD, DLDY, DLDR, BDL, LRLB, SLRA, SLRS

## **Installation**

In order to fulfil the requirements for air-tightness class C, the silencers must be installed as per 'Assembly Instruction Rectangular air duct systems'.

Catalogue values for attenuation are specified for installations in a straight duct, where the sound field have been guided straight. Positioning in a diffuse sound field, e.g. immediately after a fan or bend, means better attenuation.

## **Maintenance**

Silencers can be cleaned by rotating nylon brush or vacuum cleaner.