Circular straight silencer with baffle SLBGU

Description

SLBGU is a circular straight silencer with centre splitter.

Nominal insulation thickness is 100 mm provided with 100 mm thick baffle. This gives very good attenuation across the entire range. Used when the acoustic requirements exceed the performance capabilities of the SLGU. Especially suitable for large dimensions.

Attenuation material is mineral wool. The SLGBU is made of a strong outer spiral seemed tube and an inner tube made of steel with small openings to be able to withstand mechanical cleaning and at the same time not interfere with the insertion loss. The space between them is filled with mineral wool and a nonwoven cloth is inserted between the inner tube and the attenuation material, to prevent fibres from the insulation getting into the duct system.

The silencer can be cleaned by rotating nylon brushes, vacuum cleaner or damp cloth.

Technical data for insertion loss, pressure drop and self-generated noise is based on tests conducted in accordance with ISO 7235.

Special materials and sizes, please contact Lindab sales.

Technical data

To select the appropriate attenuator and optimize connection size and length to achieve the best performance please use our online tool **LindQST**.

SLBGU on LindQST >>

Order code

Product	**SLBGU**	**315**	**1200**	**100**
SLBGU				
Connection Ød$_{1nom}$ in mm				
315 - 800 mm				
Length (l$_{nom}$), in mm				
900 - 1500 mm				
Insulation thickness in mm				
100 mm				

Example: SLBGU 315 - 1200 - 100

EUROVENT CERTIFIED PERFORMANCE
DUCT-MC
Identification number 17.11.002
www.eurovent-certification.com

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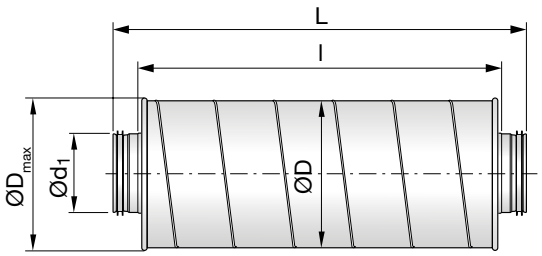
Circular straight silencer SLBGU

Dimensions and sound data

Dimensions and sound data for silencer with 100 mm insulation.

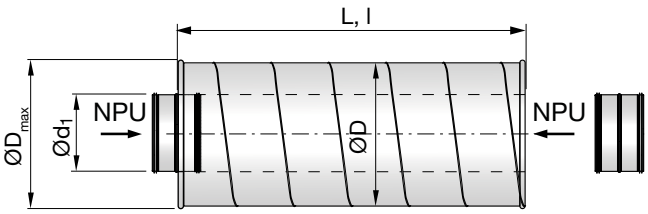
Ø ≤315

Sizes ≤315 are supplied with preinstalled Safe-connectors.



Ø ≥400

Size ≥400 is supplied with loose NPU-couplings.



Ød1 nom	l nom	Insertion loss [dB] for centre frequency [Hz] 63	125	250	500	1k	2k	4k	8k	ØDmax [mm]	ØD [mm]	l [mm]	L [mm]	m kg
315	900	6	9	20	34	39	44	34	22	508	500	900	900	25,5
315	1200	7	12	27	39	50	50	45	27	508	500	1200	1200	33,6
400	900	4	6	13	22	24	26	20	17	508	500	900	900	29,9
400	1200	6	9	19	29	33	35	24	19	615	600	1200	1200	39,5
400	1500	7	12	25	38	42	44	29	22	615	600	1500	1500	48,7
500	900	4	6	13	17	19	19	12	12	615	600	900	900	34,3
500	1200	4	8	19	24	26	26	17	15	725	710	1200	1200	45,1
500	1500	4	9	25	31	33	33	20	18	725	710	1500	1500	55,7
630	900	3	4	10	12	14	12	10	10	725	710	900	900	43,2
630	1200	3	7	14	17	18	17	12	12	877	850	1200	1200	56,7
630	1500	4	8	19	23	23	20	14	14	877	850	1500	1500	69,9
800	1200	2	4	11	12	13	11	9	8	1025	1000	1200	1200	74,3
800	1500	2	5	15	17	16	14	10	9	1025	1000	1500	1500	91,6

There is given max. attenuation values of 50 dB in the table above.

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