

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 the large dimensions.

Attenuation material is mineral wool. The SLBGU are made of 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 inner tube and the attenuation material, to prevent fibres from the insulation getting into the duct system. Silencer can be cleaned by rotating nylon brushes, vacuum cleaner or damp cloth.

Technical data for insertion loss, pressure drop and self-generated noise based on test 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 $\varnothing d_{nom}$ in mm				
315 - 800 mm				
Length (l_{nom}), in mm				
900 - 1500 mm				
Insulation thickness in mm				
100 mm				

Example: SLBGU 315 - 1200 - 100



Circular straight silencer

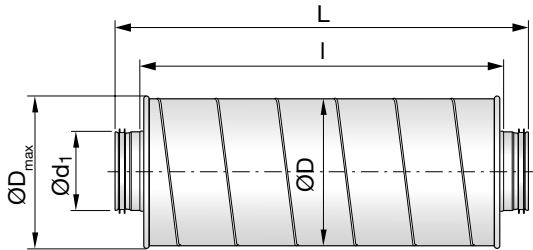
SLBGU

Dimensions and sound data

Dimensions and sound data for silencer with 100 mm insulation.

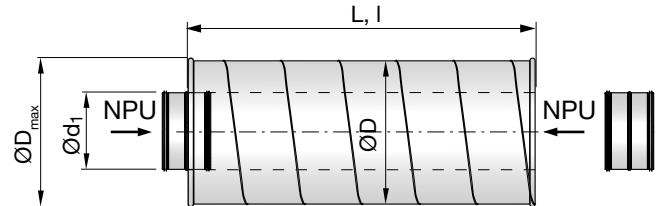
Ø ≤315

Sizes ≤315 are supplied with preinstalled Safe-connectors.



Ø ≥400

Size ≥400 is supplied with loose NPU-couplings.



Ød ₁ nom	l nom	Insertion loss [dB] for centre frequency [Hz]								ØD _{max} [mm]	ØD [mm]	l [mm]	L [mm]	m kg
		63	125	250	500	1k	2k	4k	8k					
315	900	6	9	20	34	39	44	34	22	508	500	600	600	23,0
315	1200	7	12	27	39	50	50	45	27	508	500	900	900	30,1
400	900	4	6	13	22	24	26	20	17	508	500	1200	1200	27,4
400	1200	6	9	19	29	33	35	24	19	615	600	900	900	35,9
400	1500	7	12	25	38	42	44	29	22	615	600	1200	1200	44,3
500	900	4	6	13	17	19	19	12	12	615	600	1500	1500	31,4
500	1200	4	8	19	24	26	26	17	15	725	710	900	900	41,0
500	1500	4	9	25	31	33	33	20	18	725	710	1200	1200	50,6
630	900	3	4	10	12	14	12	10	10	725	710	1500	1500	
630	1200	3	7	14	17	18	17	12	12	877	850	900	900	51,9
630	1500	4	8	19	23	23	20	14	14	877	850	1200	1200	64,0
800	1200	2	4	11	12	13	11	9	8	1025	1000	1200	1200	68,7
800	1500	2	5	15	17	16	14	10	9	1025	1000	1500	1500	84,7

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

