

# Circular straight silencer

# SLGU



## Description

SLGU is a circular straight silencer

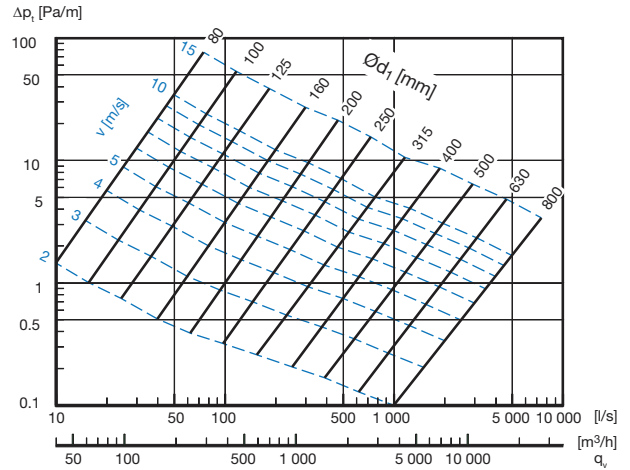
Nominal insulation thicknesses are 100 mm or 150 mm.

Attenuation material is mineral wool. The SLGU 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



## Order code

Product	SLGU	d	l	t
SLGU				
<b>Connection (d) in mm (Ød<sub>1nom</sub>)</b>				
80 - 800 mm (100 mm insulation)				
80 - 250 mm (150 mm insulation)				
<b>Length (l), in mm (l<sub>nom</sub>)</b>				
300 - 1500 mm (100 mm insulation)				
900 - 1200 mm (150 mm insulation)				
<b>Insulation thickness (t) in mm</b>				
100 or 150 mm				

Example: SLGU 200 - 900 - 100

## LindQST

To select the appropriate silencer and optimize connection size and length for the best performance you can use our online tool LindQST or our free to download software DIMsilencer. Visit [www.lindQST.com](http://www.lindQST.com).

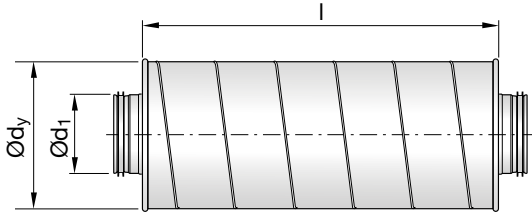


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## Dimensions and sound data

Dimensions and sound data for silencer with 100 mm insulation.

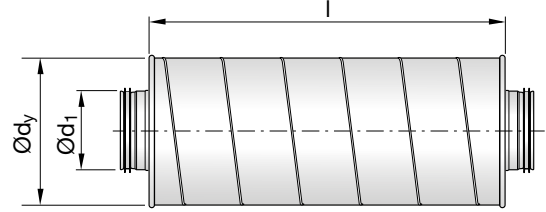


$\varnothing d_1$ [nom]	$l$ [nom]	Insertion loss [dB] for centre frequency [Hz]								$\varnothing d_y$ [mm]	$m$ [kg]
		63	125	250	500	1k	2k	4k	8k		
80	300	4	8	11	17	25	30	28	15	295	3,00
80	600	6	15	23	34	50	50	50	25	295	5,30
80	900	9	22	35	50	50	50	50	36	295	7,60
100	300	2	7	10	15	20	25	21	13	310	3,40
100	600	4	13	20	28	40	49	36	20	310	6,10
100	900	7	20	30	41	50	50	50	27	310	8,80
125	300	1	7	9	16	19	19	15	10	325	3,20
125	600	3	11	17	26	38	38	25	15	325	5,90
125	900	4	15	25	36	50	50	35	20	325	8,50
125	1200	6	19	33	46	50	50	45	25	325	11,2
160	300	1	6	9	14	16	14	10	7	365	4,20
160	600	3	8	15	23	29	29	17	11	365	7,50
160	900	4	11	21	32	43	44	25	14	365	10,7
160	1200	5	14	27	41	50	50	32	18	365	14,0
200	600	3	7	14	21	24	21	12	9	410	10,6
200	900	5	10	20	33	38	30	16	11	410	15,3
200	1200	6	12	26	45	50	40	20	13	410	20,0
250	600	3	5	11	17	19	15	8	7	465	12,2
250	900	4	8	17	27	30	21	11	9	465	17,7
250	1200	5	10	23	37	41	26	14	11	465	23,2
315	600	2	5	9	17	16	9	6	6	510	15,7
315	900	3	6	14	23	24	13	8	8	510	23,0
315	1200	4	8	18	29	32	17	10	11	510	30,1
400	900	4	5	10	11	14	7	6	8	615	27,4
400	1200	5	6	13	16	17	9	7	9	615	35,9
400	1500	5	8	15	20	20	11	8	11	615	44,3
500	900	3	5	10	11	9	5	6	7	735	31,4
500	1200	3	6	14	16	13	7	7	9	735	41,0
500	1500	4	7	17	21	17	9	7	11	735	50,6
630	900	3	4	7	8	5	4	4	5	880	39,9
630	1200	3	5	11	12	8	5	5	7	880	51,9
630	1500	3	6	14	16	11	6	6	9	880	64,0
800	1200	2	3	9	8	5	4	5	5	1030	68,7
800	1500	2	4	11	12	6	5	6	6	1030	84,7

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

Sizes 80–315 are supplied with preinstalled Safe-connectors.  
Size 400–800 is supplied with loose NPU-couplings.

Dimensions and sound data for silencer with 150 mm insulation.



$\varnothing d_1$ [nom]	$l$ [nom]	Insertion loss [dB] for centre frequency [Hz]										$\varnothing d_y$ [mm]	$m$ [kg]
		63	125	250	500	1k	2k	4k	8k				
80	900	15	30	41	50	50	50	50	34	410	13,6		
80	1000	15	30	41	50	50	50	50	34	410	13,6		
100	900	10	26	36	48	50	50	48	26	410	14,1		
100	1000	10	26	36	48	50	50	48	26	410	14,1		
125	900	8	20	31	45	49	49	36	19	465	15,9		
125	1000	8	20	31	45	49	49	36	19	465	15,9		
125	1200	13	30	38	48	50	50	45	24	465	20,9		
160	900	6	15	25	38	48	45	23	14	465	16,7		
160	1000	6	15	25	38	48	45	23	14	465	16,7		
160	1200	11	21	31	47	50	50	30	16	465	22,1		
200	900	8	15	23	33	38	30	16	11	510	19,7		
200	1000	8	15	23	33	38	30	16	11	510	19,7		
200	1200	10	19	28	43	49	39	21	13	510	25,9		
250	900	8	12	19	27	31	21	11	10	580	22,6		
250	1000	8	12	19	27	31	21	11	10	580	22,6		
250	1200	9	15	26	36	41	26	14	11	580	29,8		

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

