Circular straight silencer SLCU



Description

SLCU is a circular straight silencer.

Nominal insulation thicknesses are 50 mm or 100 mm.

Attenuation material is mineral wool. The SLCU's 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**.

SLCU on LindQST >>

Order code

Product	**SLCU**	**200**	**900**	**50**
SLCU				
Connection ($Ød_{1\ nom}$) in mm				
63 - 400 mm (50 mm insulation)				
80 - 800 mm (100 mm insulation)				
Length (l_{nom}) in mm				
300 - 1200 mm (50 mm insulation)				
300 - 1500 mm (100 mm insulation)				
Insulation thickness in mm				
50 or 100 mm				

Example: SLCU 200 - 900 - 50

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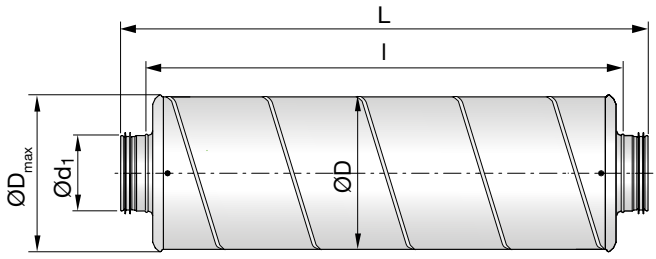
Circular straight silencer SLCU

Dimensions and sound data

Dimensions and sound data for silencer with 50 mm insulation.

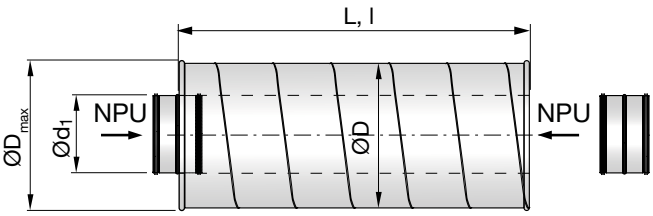
Ø ≤315

Sizes ≤315 are supplied with preinstalled Safe-connectors.



Ø ≥400

Size ≥400 is supplied with loose NPU-couplings.



Ød1 [mm]	lnom [mm]	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]
63	300	5	5	8	15	28	29	23	16	170	160	300	378	1,6
63	600	5	7	12	26	41	50	48	24	170	160	600	678	2,6
80	300	5	9	17	37	50	50	50	32	185	180	300	378	2,0
80	600	6	11	21	49	50	50	50	40	185	180	600	678	3,4
80	900	2	2	6	14	21	25	20	11	185	180	900	978	4,9
80	1200	4	3	11	24	36	49	34	17	185	180	1200	1278	6,4
100	300	5	4	15	34	50	50	48	23	205	200	355	432	2,1
100	600	6	5	19	45	50	50	50	29	205	200	655	732	3,5
100	900	2	2	6	13	16	20	15	10	205	200	955	1032	5,0
100	1200	3	3	9	23	30	40	22	14	205	200	1255	1332	6,5
125	300	4	4	12	33	45	50	30	17	229	224	370	448	2,6
125	600	5	5	15	43	50	50	38	21	229	224	670	748	4,3
125	900	1	2	4	10	12	15	8	8	229	224	970	1048	6,0
125	1200	2	3	7	19	27	29	14	11	229	224	1270	1348	7,7
160	300	2	4	10	28	42	43	20	15	266	260	375	454	2,7
160	600	2	5	13	37	50	50	26	19	266	260	675	754	4,7
160	900	1	2	5	8	10	11	5	5	266	260	975	1054	6,7
160	1200	2	3	7	16	21	23	9	8	266	260	1275	1354	8,6
200	300	2	4	8	24	32	34	13	10	306	300	390	468	3,8
200	600	3	5	10	31	43	45	18	13	306	300	690	768	6,2
200	900	3	2	7	13	17	16	8	6	306	300	990	1068	8,7
200	1200	3	4	8	20	26	23	10	8	306	300	1290	1368	11,1
250	600	4	5	9	26	35	30	12	10	362	355	600	720	7,9
250	900	0	2	6	11	14	9	4	5	362	355	900	1020	10,9
250	1200	1	3	7	16	22	12	6	7	362	355	1200	1320	13,9
315	600	1	3	8	22	30	16	7	9	427	415	610	730	10,1
315	900	0	3	4	6	8	4	4	4	427	415	910	1030	13,6
315	1200	1	3	5	10	13	7	5	6	427	415	1210	1330	17,2
400	600	1	4	7	14	19	10	7	8	508	500	600	600	7,9
400	900	1	3	5	10	13	7	5	6	508	500	900	900	12,9
400	1200	1	4	7	14	19	10	7	8	508	500	1200	1200	18,0

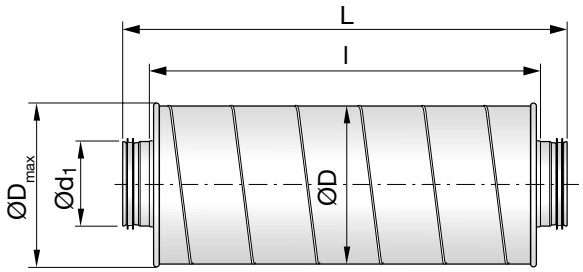
There is given max. attenuation values of 50 dB in the table above.

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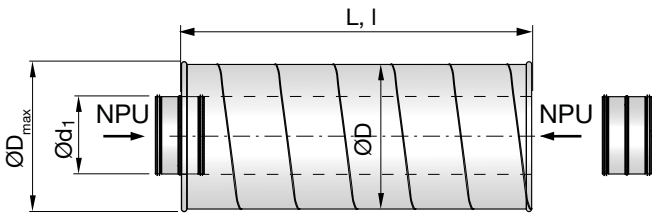
Dimensions and sound data

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 [mm]	lnom [mm]	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]
80	300	10	8	10	16	21	27	24	16	291	280	290	368	4,3
80	600	12	13	19	27	37	50	46	24	291	280	590	668	7,0
80	900	14	18	28	38	50	50	50	33	291	280	890	968	8,9
80	1200	16	23	37	49	50	50	50	42	291	280	1190	1268	11,6
100	300	5	4	11	14	18	24	20	11	307	300	300	380	4,5
100	600	8	8	18	25	34	46	38	19	307	300	600	680	7,2
100	900	11	11	25	36	50	50	50	26	307	300	900	980	11,2
100	1200	14	14	32	47	50	50	50	33	307	300	1200	1280	13,4
125	300	5	4	9	11	16	19	15	10	322	315	300	380	5,2
125	600	7	7	16	20	28	37	24	14	322	315	600	680	7,5
125	900	9	10	22	29	41	50	33	18	322	315	900	980	10,8
125	1200	12	13	29	38	50	50	42	22	322	315	1200	1280	14,6
160	300	4	3	6	8	11	14	9	8	362	355	300	380	5,7
160	600	5	6	13	16	23	28	15	12	362	355	600	680	9,5
160	900	6	9	20	24	34	42	21	16	362	355	900	980	13,0
160	1200	8	12	27	32	46	50	28	20	362	355	1200	1280	17,4
200	300	4	4	6	6	9	11	6	6	408	400	300	380	7,7
200	600	5	6	11	14	19	22	10	8	408	400	600	680	10,6
200	900	6	9	17	21	29	33	14	11	408	400	900	980	15,3
200	1200	7	11	22	29	38	45	18	13	408	400	1200	1280	19,4
250	600	6	5	10	11	16	16	8	7	462	450	600	718	10,7
250	900	7	7	15	18	25	23	10	9	462	450	900	1018	18,0
250	1200	7	9	20	25	34	30	13	11	462	450	1200	1318	22,9
315	600	1	4	7	9	12	10	5	6	508	500	600	715	16,3
315	900	2	6	12	14	19	15	7	8	508	500	900	1015	22,3
315	1200	2	8	16	18	26	21	9	10	508	500	1200	1315	29,1
400	600	1	5	5	5	7	4	4	4	615	600	600	600	20,6
400	900	3	7	8	9	13	7	5	6	615	600	900	900	30,0
400	1200	4	8	12	13	19	10	6	7	615	600	1200	1200	38,1
500	900	2	4	7	8	10	5	3	5	725	710	900		34,6
500	1200	3	7	10	12	14	7	4	6	725	710	1200		44,7
630	900	2	4	5	7	6	4	3	4	877	850	900		44,3
630	1200	2	6	8	10	9	4	4	5	877	850	1200		54,5
800	1200	2	3	6	7	4	3	4	4	1025	1000	1200		76,2
800	1500	2	5	8	10	6	4	4	5	1025	1000	1500		93,2

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

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