

Circular straight silencer with pod

SLGPU



Description

SLGPU 100 is a circular straight silencer with a centre pod.

Nominal insulation thickness is 100 mm. 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 SLGPU 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.

LindQST

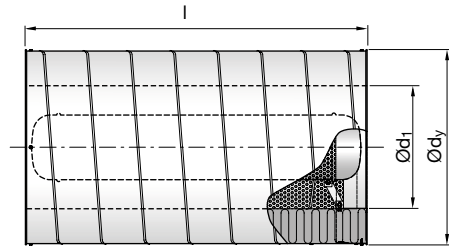
To select the appropriate silencer and optimize connection size and length for the best performance you can use our online tool LindQST or our free to download software DIMsilencer. Visit www.lindQST.com.

Order code

Product	SLGPU	d	l	t
SLGPU				
Connection (d) in mm (Ød_{nom})				
315 - 1250 mm				
Length (l), in mm (l_{nom})				
600 - 2400 mm				
Insulation thickness (t) in mm				
100 mm				

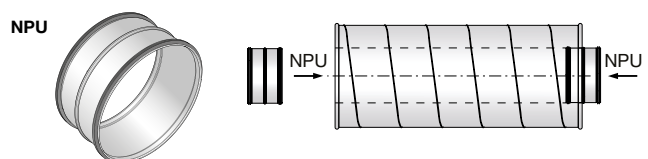
Example: SLGPU 400 - 900 - 100

Dimensions and sound data



Ød ₁ [nom]	l [nom]	Insertion loss [dB] for centre frequency [Hz]								Ød ₂ [mm]	m [kg]
		63	125	250	500	1k	2k	4k	8k		
315	600	2	5	11	22	31	35	26	18	510	17
315	900	3	7	15	29	40	44	34	23	510	23
315	1200	3	8	19	36	46	50	39	26	510	29
400	600	2	4	11	21	28	31	23	15	625	21
400	900	3	6	16	30	37	40	30	19	625	28
400	1200	3	7	19	35	37	40	33	22	625	36
400	1500	3	9	22	43	44	44	39	25	625	44
500	600	1	3	8	18	25	26	20	10	735	25
500	900	2	5	14	27	33	35	24	14	735	34
500	1200	3	6	17	31	37	41	28	17	735	44
500	1500	3	7	20	35	39	43	31	20	735	54
630	600	1	3	8	17	20	17	15	8	880	44
630	900	2	4	12	20	30	24	19	9	880	44
630	1200	2	5	14	23	37	30	21	12	880	56
630	1500	2	6	17	26	42	35	22	13	880	68
710	710	1	3	10	12	14	12	9	9	930	44
710	900	2	4	13	16	21	15	11	11	930	55
710	1200	2	5	14	19	25	17	12	12	930	69
710	1420	3	6	15	21	28	19	13	13	930	77
800	900	3	6	13	20	26	20	15	12	1030	57
800	1200	3	7	15	25	31	22	17	13	1030	74
800	1500	4	8	19	31	37	27	19	15	1030	85
900	900	2	4	10	20	21	17	13	13	1150	63
900	1200	3	5	13	25	25	19	14	13	1150	80
900	1500	3	6	16	31	30	21	16	14	1150	89
900	1800	3	7	19	36	34	23	17	14	1150	114
1000	900	2	4	11	23	20	14	12	12	1280	69
1000	1200	2	5	13	26	23	16	13	13	1280	90
1000	1500	3	6	16	31	27	18	15	15	1280	109
1000	1800	3	7	20	38	34	22	17	17	1280	126
1250	1200	2	4	12	21	17	14	11	10	1530	140
1250	1500	3	5	14	24	20	16	12	11	1530	197
1250	1800	3	7	18	30	25	18	13	11	1530	236
1250	2400	3	8	22	36	30	21	14	12	1530	249

Size 315 is supplied with preinstalled Safe-connectors. Size 400–1250 is supplied with loose NPU-couplings.



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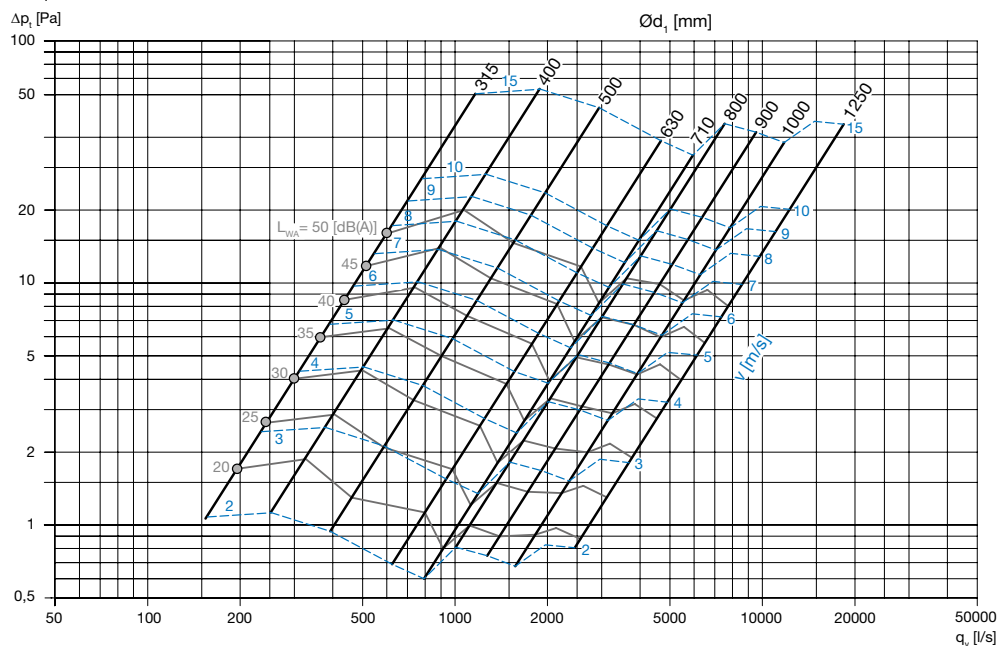
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Technical data

Pressure loss Δp_t [Pa]

SLGPU, Insulation thickness 100 mm, short models

- $\varnothing d_i$: 315 – 500 mm L = 600 mm
- $\varnothing d_i$: 630 – 1000 mm L = 900 mm
- $\varnothing d_i$: 1250 mm L = 1200 mm



SLGPU, Insulation thickness 100 mm, long models

- $\varnothing d_i$: 315 – 710 mm L = 1200 mm
- $\varnothing d_i$: 800 mm L = 1500 mm
- $\varnothing d_i$: 900 – 1000 mm L = 1800 mm;
- $\varnothing d_i$: 1250 mm L = 2400 mm

