

Circular straight silencer with pod

SLGPU



Technical data

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

[SLGPU on LindQST >>](#)

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.

Order code

| Product | SLGPU | 400 | 900 | 100 |
|----------------------------------------------------------------------|-------|-----|-----|-----|
| SLGPU | | | | |
| Connection ($\varnothing d_{1, \text{nom}}$) in mm | | | | |
| 315 - 1250 mm | | | | |
| Length (l_{nom}) in mm | | | | |
| 600 - 2400 mm | | | | |
| Insulation thickness in mm | | | | |
| 100 mm | | | | |

Example: SLGPU 400 - 900 - 100



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Dimensions and sound data

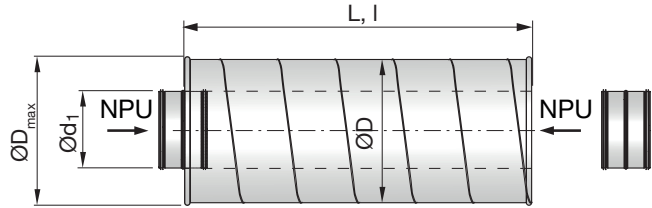
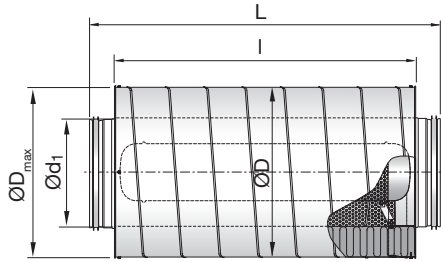
Dimensions and sound data for silencer with 100 mm insulation.

Ø ≤ 315

Sizes ≤ 315 are supplied with preinstalled Safe-connectors.

Ø ≥ 400

Size ≥ 400 is supplied with loose NPU-couplings.



| 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 | 600 | 2 | 5 | 11 | 22 | 31 | 35 | 26 | 18 | 508 | 500 | 600 | 715 | 17 |
| 315 | 900 | 3 | 7 | 15 | 29 | 40 | 44 | 34 | 23 | 508 | 500 | 900 | 1015 | 23 |
| 315 | 1200 | 3 | 8 | 19 | 36 | 46 | 50 | 39 | 26 | 508 | 500 | 1200 | 1315 | 29 |
| 400 | 600 | 2 | 4 | 11 | 21 | 28 | 31 | 23 | 15 | 615 | 600 | 600 | 600 | 21 |
| 400 | 900 | 3 | 6 | 16 | 30 | 37 | 40 | 30 | 19 | 615 | 600 | 900 | 900 | 28 |
| 400 | 1200 | 3 | 7 | 19 | 35 | 37 | 40 | 33 | 22 | 615 | 600 | 1200 | 1200 | 36 |
| 400 | 1500 | 3 | 9 | 22 | 43 | 44 | 44 | 39 | 25 | 615 | 600 | 1500 | 1500 | 44 |
| 500 | 600 | 1 | 3 | 8 | 18 | 25 | 26 | 20 | 10 | 725 | 710 | 600 | 600 | 25 |
| 500 | 900 | 2 | 5 | 14 | 27 | 33 | 35 | 24 | 14 | 725 | 710 | 900 | 900 | 34 |
| 500 | 1200 | 3 | 6 | 17 | 31 | 37 | 41 | 28 | 17 | 725 | 710 | 1200 | 1200 | 44 |
| 500 | 1500 | 3 | 7 | 20 | 35 | 39 | 43 | 31 | 20 | 725 | 710 | 1500 | 1500 | 54 |
| 630 | 600 | 1 | 3 | 8 | 17 | 20 | 17 | 15 | 8 | 877 | 850 | 600 | 600 | 44 |
| 630 | 900 | 2 | 4 | 12 | 20 | 30 | 24 | 19 | 9 | 877 | 850 | 900 | 900 | 44 |
| 630 | 1200 | 2 | 5 | 14 | 23 | 37 | 30 | 21 | 12 | 877 | 850 | 1200 | 1200 | 56 |
| 630 | 1500 | 2 | 6 | 17 | 26 | 42 | 35 | 22 | 13 | 877 | 850 | 1500 | 1500 | 68 |
| 710 | 710 | 1 | 3 | 10 | 12 | 14 | 12 | 9 | 9 | 927 | 900 | 710 | 710 | 44 |
| 710 | 900 | 2 | 4 | 13 | 16 | 21 | 15 | 11 | 11 | 927 | 900 | 900 | 900 | 55 |
| 710 | 1200 | 2 | 5 | 14 | 19 | 25 | 17 | 12 | 12 | 927 | 900 | 1200 | 1200 | 69 |
| 710 | 1420 | 3 | 6 | 15 | 21 | 28 | 19 | 13 | 13 | 927 | 900 | 1400 | 1400 | 77 |
| 800 | 900 | 3 | 6 | 13 | 20 | 26 | 20 | 15 | 12 | 1025 | 1000 | 900 | 900 | 57 |
| 800 | 1200 | 3 | 7 | 15 | 25 | 31 | 22 | 17 | 13 | 1025 | 1000 | 1200 | 1200 | 74 |
| 800 | 1500 | 4 | 8 | 19 | 31 | 37 | 27 | 19 | 15 | 1025 | 1000 | 1500 | 1500 | 85 |
| 900 | 900 | 2 | 4 | 10 | 20 | 21 | 17 | 13 | 13 | 1145 | 1120 | 900 | 900 | 63 |
| 900 | 1200 | 3 | 5 | 13 | 25 | 25 | 19 | 14 | 13 | 1145 | 1120 | 1200 | 1200 | 80 |
| 900 | 1500 | 3 | 6 | 16 | 31 | 30 | 21 | 16 | 14 | 1145 | 1120 | 1500 | 1500 | 89 |
| 900 | 1800 | 3 | 7 | 19 | 36 | 34 | 23 | 17 | 14 | 1145 | 1120 | 1800 | 1800 | 114 |
| 1000 | 900 | 2 | 4 | 11 | 23 | 20 | 14 | 12 | 12 | 1275 | 1250 | 900 | 900 | 69 |
| 1000 | 1200 | 2 | 5 | 13 | 26 | 23 | 16 | 13 | 13 | 1275 | 1250 | 1200 | 1200 | 90 |
| 1000 | 1500 | 3 | 6 | 16 | 31 | 27 | 18 | 15 | 15 | 1275 | 1250 | 1500 | 1500 | 109 |
| 1000 | 1800 | 3 | 7 | 20 | 38 | 34 | 22 | 17 | 17 | 1275 | 1250 | 1800 | 1800 | 126 |
| 1250 | 1200 | 2 | 4 | 12 | 21 | 17 | 14 | 11 | 10 | 1525 | 1500 | 1200 | 1200 | 140 |
| 1250 | 1500 | 3 | 5 | 14 | 24 | 20 | 16 | 12 | 11 | 1525 | 1500 | 1500 | 1500 | 197 |
| 1250 | 1800 | 3 | 7 | 18 | 30 | 25 | 18 | 13 | 11 | 1525 | 1500 | 1800 | 1800 | 236 |
| 1250 | 2400 | 3 | 8 | 22 | 36 | 30 | 21 | 14 | 12 | 1525 | 1500 | 2400 | 2400 | 249 |

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

