

Flexible silencers with aluminium-polyester cladding

SLEFL



Description

The SLEFL flexible silencer is made of the Alnor Flex perforated duct. The sound insulating layer is 25 mm thick and clad in aluminium and polyester. The silencer is connected to the ductwork with male flanges made of metal. The product is available in two length sizes, 600 mm and 1200 mm.

Other silencer versions are available on request: with EPDM gaskets, female flanges, or in other length sizes.

Insulation:

Insulation material: glass wool.
Insulation type: trimmed from reel, flexible.

Temperature range: -20°C to +140°C

Thermal insulation performance of mineral wool:
 $\lambda = 0.034 \text{ W/mK}$ at 24°C

Pressure drop:
See the enclosed diagram.

Fire resistance:
The silencers are made from fire-proof materials.

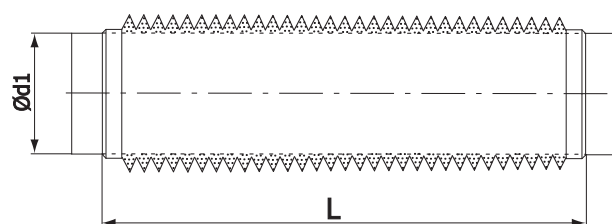
Production version — Product code example:
SLEFL — with male connections (standard)
SLEFL — with male connections and EPDM gaskets
SLEFLF — with female connections

Product code examples

Product code: **SLEFL - 25 - 100 - 1000**

type _____
Insulation thickness _____
Silencer diameter _____
Silencer length _____

Dimensions



Ød _{1 nom} (mm)	L (mm)	Sound insulation (dB) at frequency (Hz)						
		125	250	500	1000	2000	4000	8000
80	600	19	29	31	15	21	13	8
100	600	19	30	27	14	15	10	7
125	600	17	24	22	11	14	10	7
160	600	13	19	18	10	12	7	6
200	600	14	17	12	7	11	7	5
250	600	15	15	10	7	11	6	5
315	600	14	12	8	6	7	4	4

Ød _{1 nom} (mm)	L (mm)	Sound insulation (dB) at frequency (Hz)						
		125	250	500	1000	2000	4000	8000
80	1200	30	40	38	28	31	20	13
100	1200	29	37	33	27	30	24	13
125	1200	30	36	30	26	27	25	12
160	1200	17	29	28	23	26	23	11
200	1200	24	30	23	20	23	16	10
250	1200	22	23	18	17	16	8	7
315	1200	23	18	15	15	12	8	6

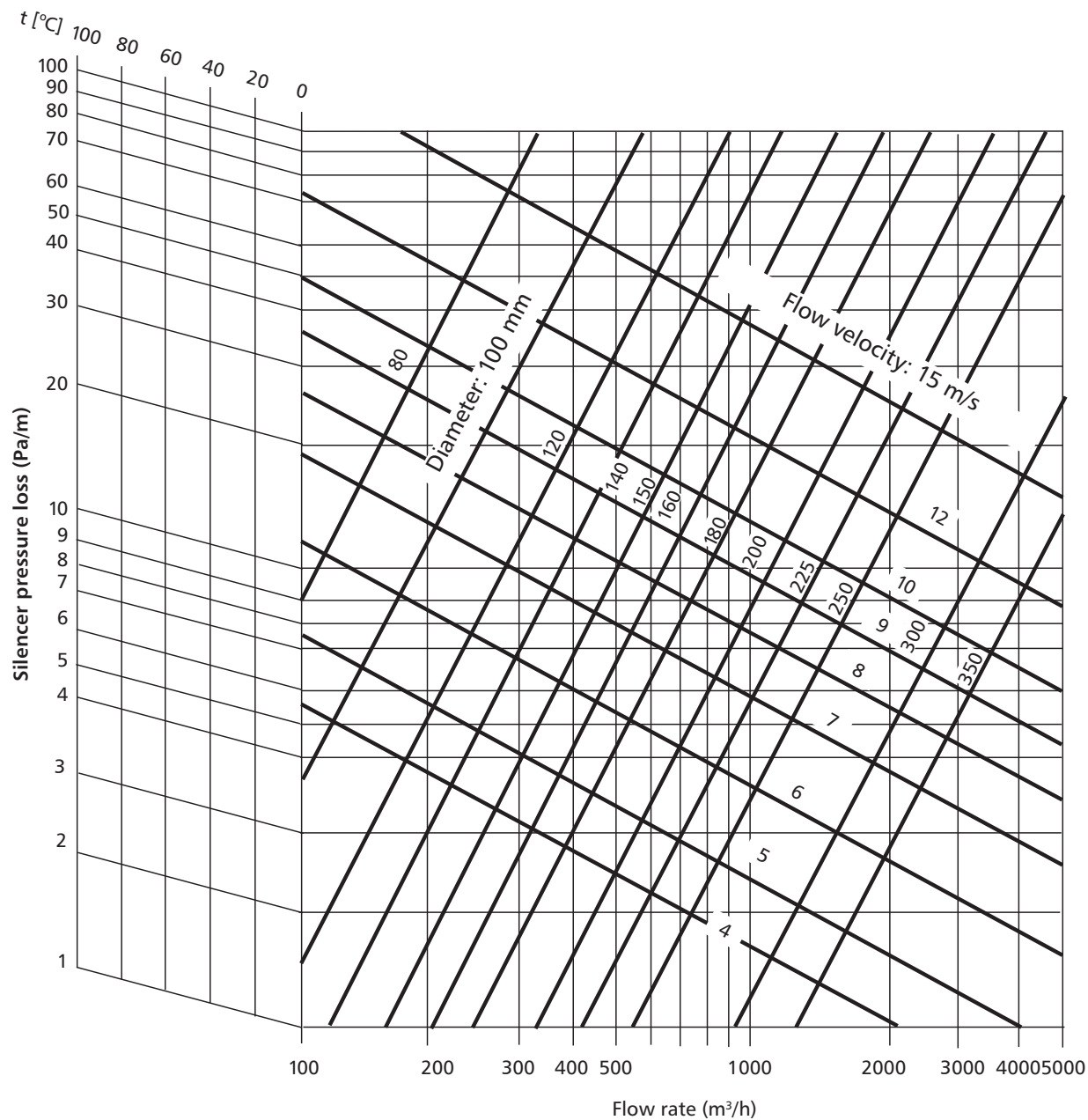
50 mm thick insulation and
L = 600 mm and 1200 mm are available on request.

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Technical specifications

Pressure loss across SLEFL-25 silencer



The pressure loss has been calculated for the silencer stretched and laid straight.

Silencer length = 1.0 m

1 Pa = 0.01 mbar = ca. 0.1 mm WG