

# 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:**  
 $\lambda = 0.034$  W/mK at 24°C

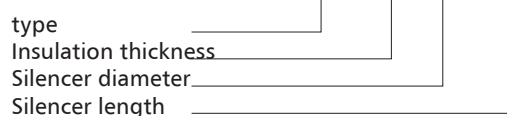
**Pressure drop:**  
See the enclosed diagram.

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

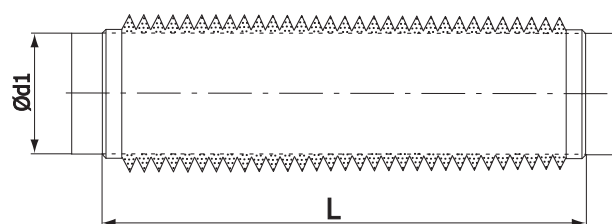
**Production version — Product code example:**  
 SLEFL — with male connections (standard)  
 SLEFL — with male connections and EPDM gaskets  
 SLEFLF — with female connections

#### Product code examples

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



### Dimensions



Ød <sub>1 nom</sub> (mm)	L (mm)	Sound insulation (dB) at frequency (Hz)						
		125	250	500	1000	2000	4000	8000
80	600	19	29	31	28	27	13	8
100	600	19	30	27	25	19	10	7
125	600	17	24	22	21	18	10	7
160	600	13	19	18	18	16	7	6
200	600	14	17	12	13	14	7	5
250	600	15	15	10	12	14	6	5
315	600	12	12	8	11	9	5	4

Ød <sub>1 nom</sub> (mm)	L (mm)	Sound insulation (dB) at frequency (Hz)						
		125	250	500	1000	2000	4000	8000
80	1200	30	40	38	37	36	20	13
100	1200	29	37	33	36	35	24	13
125	1200	30	36	30	34	32	25	12
160	1200	17	29	28	30	30	23	11
200	1200	24	30	23	26	27	16	10
250	1200	22	23	18	22	19	8	7
315	1200	23	18	15	20	14	8	6

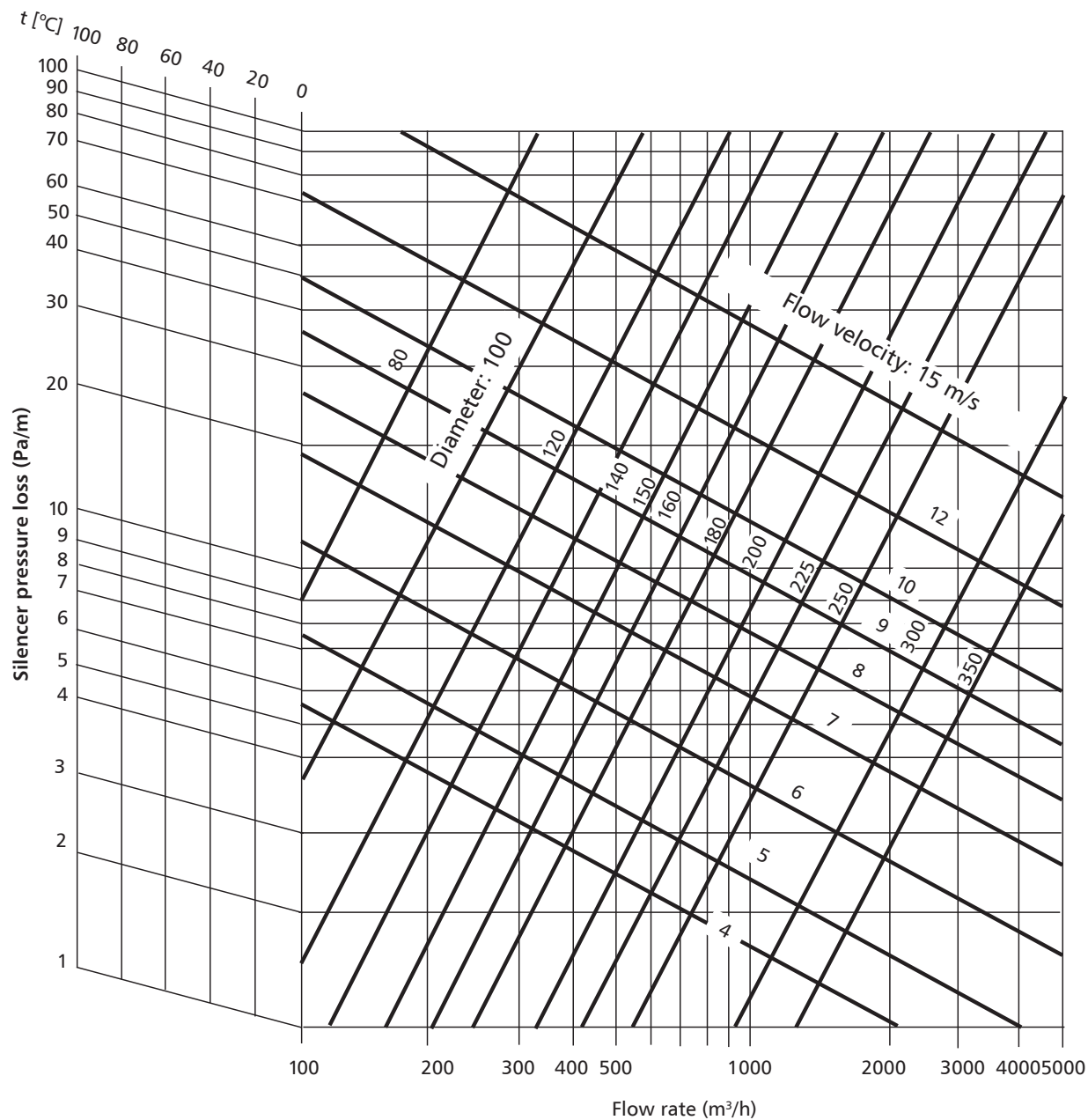
50 mm thick insulation and  
L = 600 mm and 1200 mm are available on request.

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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