Semi-rigid circular silencer SLFA

Description

SLFA is a flexible silencer that can be adapted to any installation situation. The bendability of the silencer allows adaptation to very confined spaces and difficult wiring. Silencer is made from 2-layer, flexible aluminium tubes of type SRF. The inner tube is micro-perforated and between the inner and outer tubes is glass wool attenuation material layer. The ends of the silencers are covered with aluminium gables. The duct connections fits inside ducts.

SLFA 25 and 50 come in the dimensions Ø80 - 315 mm and 1000 mm in length. (Also available in lengths of 750, 1250, 1500 and 2000 mm).

The silencers can withstand temperatures up to 200°C.

Advantages

- Small storage and transport volume.

Technical data

Duct materials:

Inner wall:	Aluminium + aluminium (AL)
Insulation:	Glass wool 25 mm
Outer wall:	Aluminium + aluminium
Minimum bending radius:	2 - 3×d
Maximum temperature:	+200°C
Fire resistance:	Not flammable in accordance with DIN 4102 class A1

Order code

Product SLFA | **Connection (d) ($Ød_{1\ nom}$)** 80 - 315 mm | **Length (l) in mm (l_{nom})** 750 - 2000 mm | **Insulation thickness (t) in mm** 25 or 50 mm

SLFA | d | l | t

Example: SLFA - 200 - 1000 - 25

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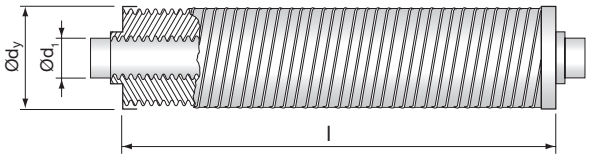
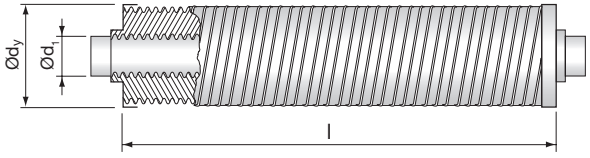
Technical data for silencer with 25 and 50 mm insulation

Dimensions for silencer with 25 mm insulation.



Ød$_1$ nom mm	l mm	Insertion loss [dB] for centre frequency [Hz] 63	125	250	500	1k	2k	4k	8k	Ød$_y$ mm	m kg
80	750									135	
80	1000	2	6	10	20	38	58	33	28	135	0,80
80	1250									135	
80	1500									135	
80	2000									135	
100	750									160	
100	1000	1	5	8	18	35	58	33	27	160	1,00
100	1250									160	
100	1500									160	
100	2000									160	
125	750									190	
125	1000	1	5	8	18	35	58	33	27	190	1,20
125	1250									190	
125	1500									190	
125	2000									190	
160	750									210	
160	1000	1	2	4	10	23	43	18	14	210	1,40
160	1250									210	
160	1500									210	
160	2000									210	
200	750									260	
200	1000	2	2	4	9	20	27	13	11	260	1,80
200	1250									260	
200	1500									260	
200	2000									260	
250	750									310	
250	1000	1	2	4	9	18	19	9	9	310	2,20
250	1250									310	
250	1500									310	
250	2000									310	
315	750									365	
315	1000	1	2	3	5	11	13	7	8	365	2,80
315	1250									365	
315	1500									365	
315	2000									365	

Dimensions for silencer with 50 mm insulation.



Ød$_1$ nom mm	l mm	Insertion loss [dB] for centre frequency [Hz] 63	125	250	500	1k	2k	4k	8k	Ød$_y$ mm	m kg
80	750									190	
80	1000	3	13	19	30	47	58	33	28	190	1,10
80	1250									190	
80	1500									190	
80	2000									190	
100	750									210	
100	1000	2	11	16	28	46	58	36	36	210	1,30
100	1250									210	
100	1500									210	
100	2000									210	
125	750									235	
125	1000	1	7	13	24	41	45	29	28	235	1,70
125	1250									235	
125	1500									235	
125	2000									235	
160	750									260	
160	1000	1	5	10	21	39	30	20	18	260	1,90
160	1250									260	
160	1500									260	
160	2000									260	
200	750									310	
200	1000	3	4	9	16	32	22	15	15	310	2,40
200	1250									310	
200	1500									310	
200	2000									310	
250	750									365	
250	1000	2	4	8	16	33	15	11	12	365	3,00
250	1250									365	
250	1500									365	
250	2000									365	
315	750									410	
315	1000	2	3	6	12	25	11	8	11	410	3,40
315	1250									410	
315	1500									410	
315	2000									410	