

Description

TFMND: Highly flexible silencer for connection of air connections to the duct system. Comprising of the outer sheath of overlapping aluminium layers bonded with polyester aluminium and an outer sheathing of seamed aluminium, the mineral wool in between. One end is a nipple with EPDM rubber gasket for connection to ducts, the other is a galvanised steel sleeve for connection of a poppet valve or device connector.

SLFMN:

TFND: As above but with a sealed nipple on both sides, for installation in the duct system.

SLFNN:

TFM: As above but with a sleeve on both sides, for connection to fittings.

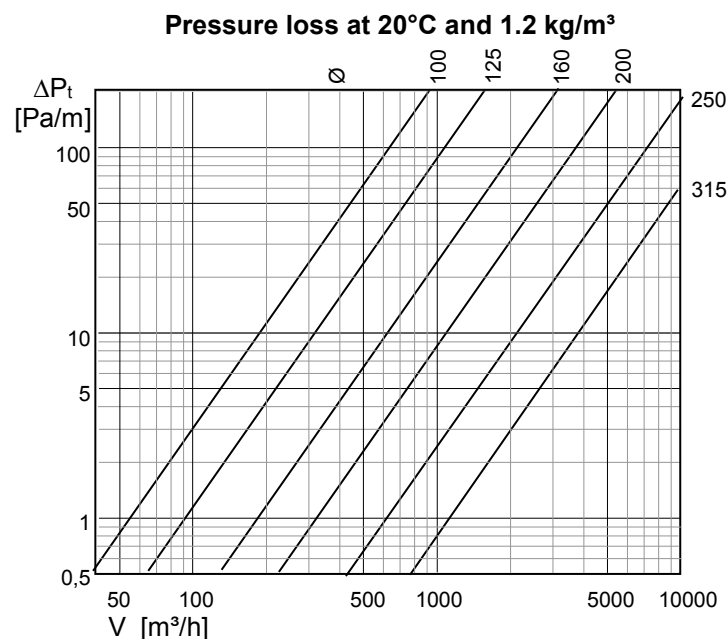
SLFMM:

1200 mm silencers are compressed to 600 mm for safe transport and storage. It can be stretched on site to the application length.

Technical data:

Material: Aluminium, polyester, EPDM-rubber, mineral wool non-flammable (A1) to DIN EN 13501. Toxicology; Due to its high biological solubility the fibre material is free of cancer inducing effects in accordance with the hazardous substances and EU-guideline 97/69

Operating pressure max.: 2500 (Pa)
Air velocity max.: 15 (m/s)
Standard length : 0.60 m / 1.2 m



Insertion damping for straight installation, if installation is not straight higher damping can be expected from 1000 Hz.

Damping 25 mm			Octave band (Hz)								Weight (kg)
d ₁ /d (mm)	D (mm)	L (mm)	63	125	250	500	1000	2000	4000	8000	
Insertion damping (dB)											
80	125	600	2	14	16	27	34	44	26	20	0,5
100	150	600	2	14	16	26	31	40	23	19	0,6
125	180	600	2	13	16	24	27	35	19	17	0,7
150	200	600	2	11	16	21	24	31	16	14	0,8
160	200	600	2	11	16	21	23	30	15	14	0,9
180	224	600	1	8	14	18	21	25	12	12	1,0
200	250	600	1	6	13	16	19	21	9	10	1,1
250	300	600	0	5	12	14	18	20	9	10	1,4
315	355	600	0	4	11	13	16	18	7	9	1,7

Damping 25 mm			Octave band (Hz)								Weight (kg)
d ₁ /d (mm)	D (mm)	L (mm)	63	125	250	500	1000	2000	4000	8000	
Insertion damping (dB)											
80	125	1200	4	29	32	50	50	50	50	41	0,7
100	150	1200	4	28	32	50	50	50	46	38	0,8
125	180	1200	4	26	32	48	50	50	38	34	1,0
150	200	1200	4	23	32	43	47	50	32	29	1,2
160	200	1200	4	22	32	42	46	50	30	28	1,3
180	224	1200	3	17	29	37	42	46	24	24	1,5
200	250	1200	2	12	26	32	38	42	18	20	1,6
250	300	1200	0	10	24	28	36	40	17	19	2,0
315	355	1200	0	8	22	26	32	36	14	17	2,5

Damping 50 mm			Octave band (Hz)								Weight (kg)
d ₁ /d (mm)	D (mm)	L (mm)	63	125	250	500	1000	2000	4000	8000	
Insertion damping (dB)											
80	180	600	3	21	28	50	50	50	30	24	0,9
100	200	600	3	21	28	46	50	50	29	24	1,1
125	224	600	3	20	27	36	41	50	27	24	1,3
150	250	600	2	15	24	29	32	41	21	19	1,5
160	250	600	2	14	24	27	29	38	19	18	1,6
180	280	600	2	12	23	27	29	37	17	18	1,8
200	300	600	2	11	23	27	29	37	16	18	1,9
250	355	600	1	10	20	23	29	33	14	16	2,3
315	400	600	1	9	17	20	25	28	11	13	2,9

Damping 50 mm			Octave band (Hz)								Weight (kg)
d ₁ /d (mm)	D (mm)	L (mm)	63	125	250	500	1000	2000	4000	8000	
Insertion damping (dB)											
80	180	1200	6	44	50	50	50	50	50	48	1,2
100	200	1200	6	42	50	50	50	50	50	48	1,4
125	224	1200	6	39	50	50	50	50	50	48	1,7
150	250	1200	4	31	48	50	50	50	41	39	1,9
160	250	1200	4	28	48	50	50	50	38	36	2,0
180	280	1200	4	25	47	50	50	50	35	35	2,3
200	300	1200	4	22	46	50	50	50	32	35	2,5
250	355	1200	2	20	40	47	50	50	29	32	3,0
315	400	1200	2	18	34	40	49	50	22	27	3,7