

NTF-T Silencer

NTF-T rectangular silencer with round duct connections and without perforated sheet inside. Suitable for general ventilation system silencer, especially in situations where the silencer dimensions should be smaller and the absorption values should be good. The NTF-T silencer is used in smoke extraction systems.

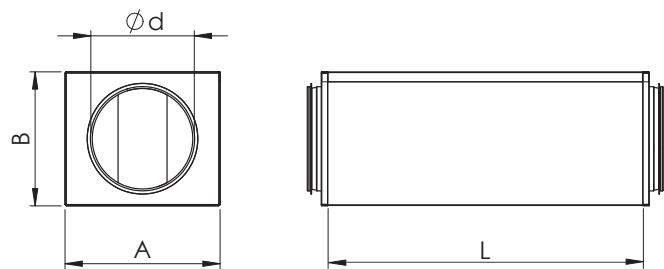


Advantages:

- Silencer’s dimensions are minimized while maintaining excellent noise reduction characteristics
- Low pressure drop due to streamlined geometry
- Insulation material is resistant to cleaning (nylon brush)
- Insulation material coating does not absorb moisture
- Fulfills tightness class D according to standard EN 15727:2010.

Design and Dimensions

NTF-T silencers outer shell is made of galvanized sheet steel. Connections are with rubber gaskets. Sound absorption duct element with good attenuation characteristics is made from mineral wool (Cleantec coated). Silencers with Ø 400-600 includes also separate absorption element. Standard lengths 300, 600 and 1000 mm.



Sound attenuation

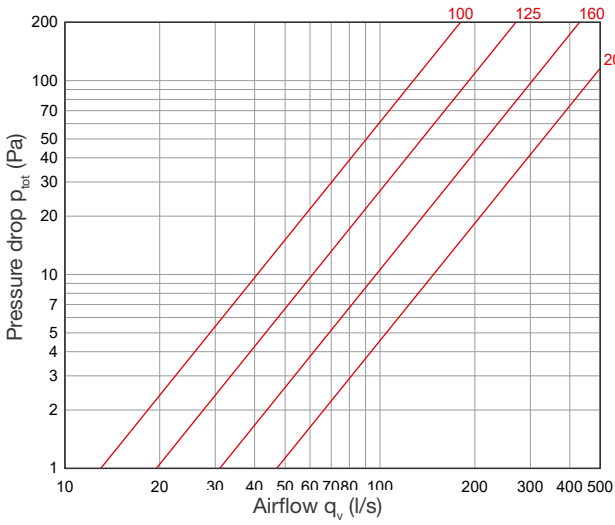
Sound attenuation is specified to ISO 7235, i.e. static integral attenuation for duct products.

NTF-T (absorption material mineral wool)

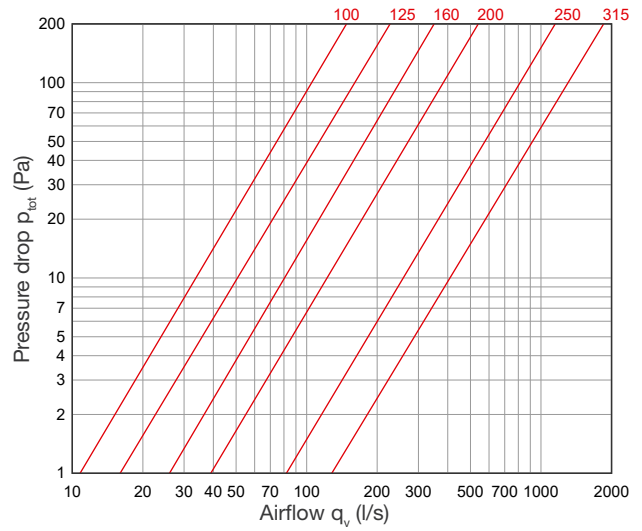
Nominal size Ød mm	L, mm	A, mm	B, mm	Sound attenuation (dB)								Weight, kg
				Mean frequency of octave band (Hz)								
				63	125	250	500	1000	2000	4000	8000	
100	300	210	155	7	8	11	20	22	20	20	15	3,0
100	600	210	155	9	16	19	32	41	43	40	26	4,7
100	1000	210	155	7	28	28	50	50	51	51	45	6,9
125	300	225	180	3	11	8	16	17	16	15	11	3,4
125	600	225	180	6	17	14	31	35	39	34	23	5,3
125	1000	225	180	6	24	20	49	50	50	47	31	7,8
160	300	280	215	3	5	8	13	13	16	15	11	4,4
160	600	280	215	6	9	15	23	28	31	26	19	6,8
160	1000	280	215	8	15	20	42	41	50	43	30	10,0
200	300	295	255	3	4	7	11	12	15	11	9	5,0
200	600	295	255	5	10	15	20	24	26	21	15	7,7
200	1000	295	255	7	16	25	40	48	49	40	27	11,3
250	600	325	305	7	7	13	17	22	22	17	12	9,1
250	1000	325	305	10	13	22	32	40	39	29	21	13,3
315	600	365	370	3	6	10	13	17	15	14	12	10,8
315	1000	365	370	6	9	16	22	28	25	21	17	15,8
400	600	510	455	6	8	10	14	23	30	24	16	17,5
400	1000	510	455	7	14	17	24	38	44	41	27	25,5
500	600	560	555	1	9	11	20	26	26	21	16	21,6
500	1000	560	555	4	12	20	30	40	40	34	25	31,6
630	600	720	685	8	9	13	19	23	25	19	16	30,4
630	1000	720	685	13	15	21	33	39	38	32	25	45,1

Pressure drop for dimensions 100-315

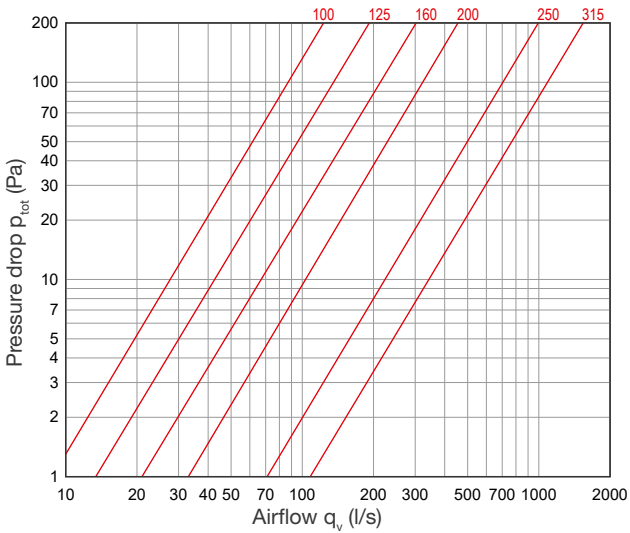
NTF-T L=300



NTF-T L=600

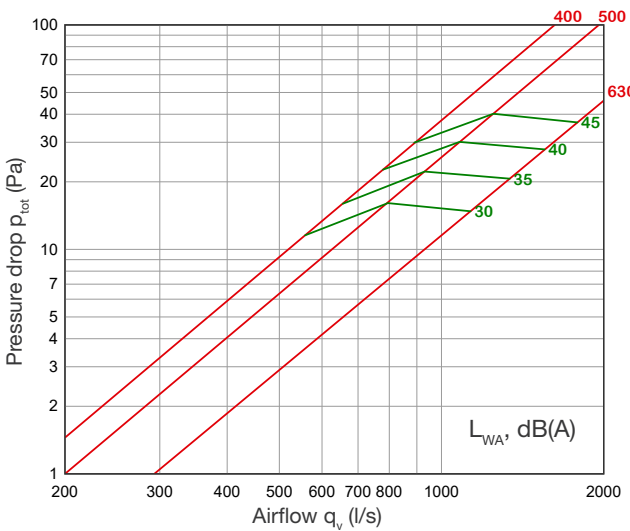


NTF-T L=1000

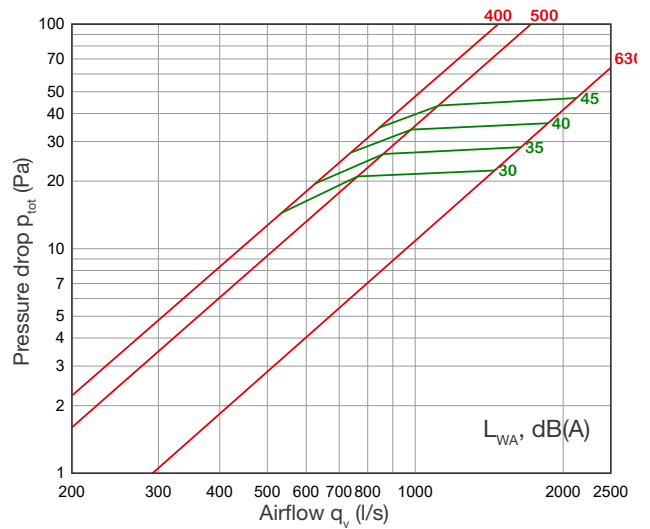


Pressure drop for dimensions 400-600

NTF-T L=600



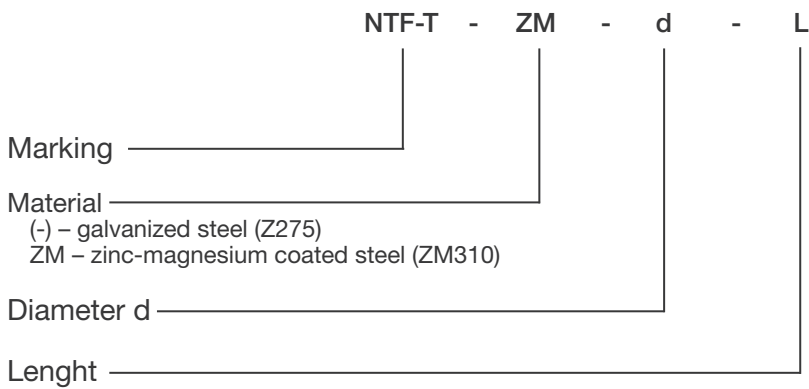
NTF-T L=1000



$$L_{w,okt} = L_{WA} + K_{okt}$$

NTF-T	Sound level correction factor K_{okt} (dB)							
	63	125	250	500	1k	2k	4k	8k
NTF-T 400-600	17	7	-1	-4	-5	-9	-15	-21
NTF-T 400-1000	14	5	0	-4	-5	-8	-15	-22
NTF-T 500-600	7	5	0	-3	-5	-8	-14	-21
NTF-T 500-1000	8	5	1	-3	-5	-9	-15	-22
NTF-T 600-600	10	4	-3	-4	-4	-7	-15	-20
NTF-T 600-1000	8	3	-4	-4	-5	-6	-14	-22

Product code



Example: NTF-T 160-600