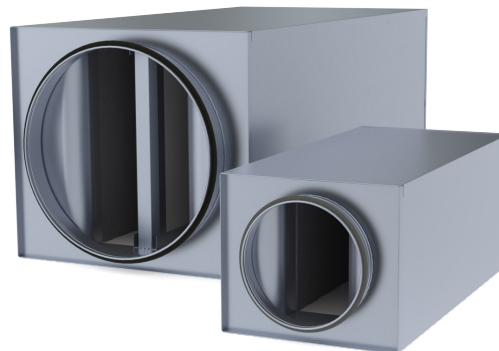


NTP Round Silencer

NTP – 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.

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.



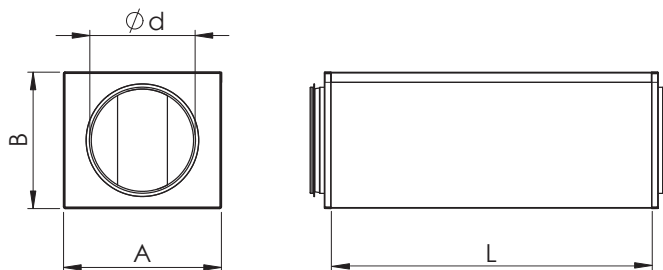
Design and Dimensions

NTP-silencer's outer shell is made of galvanized sheet steel. Connections are with rubber gaskets. Sound absorption duct element with good attenuation characteristics is made from synthetic material. Used synthetic insulation is classified as M1. 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.



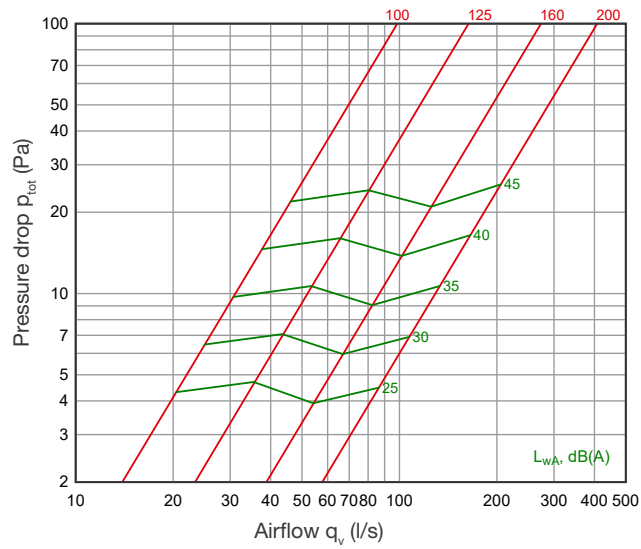
NTP

(absorption material synthetic sound insulation)

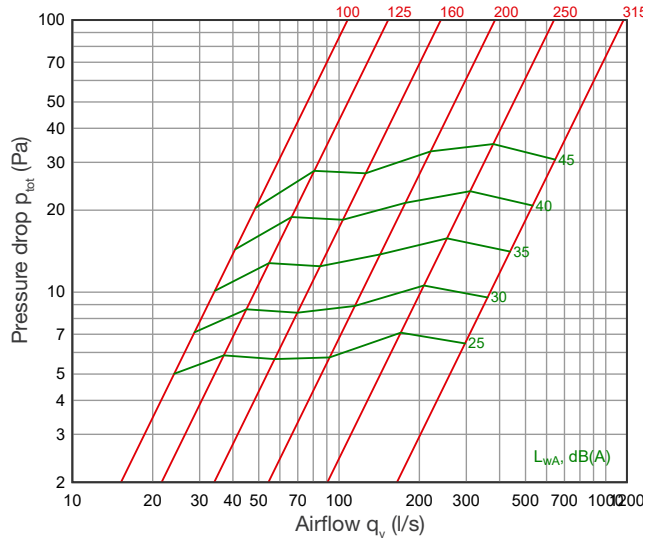
Nominal size Ø d (mm)	L (mm)	A (mm)	B (mm)	Sound attenuation (dB)								Weight (kg)
				Mean frequency of octave band (Hz)								
				63	125	250	500	1000	2000	4000	8000	
100	300	210	155	9	9	8	16	28	24	20	19	2,9
100	600	210	155	15	14	15	22	35	42	41	29	4,5
100	1000	210	155	18	23	27	33	53	56	53	49	6,6
125	300	225	180	8	7	7	14	25	20	17	14	3,3
125	600	225	180	12	13	13	21	33	40	34	25	5,1
125	1000	225	180	18	21	21	32	49	54	53	43	7,5
160	300	280	215	7	6	8	15	19	14	15	11	4,3
160	600	280	215	13	8	13	22	37	35	32	21	6,6
160	1000	280	215	22	13	19	31	46	45	50	33	9,6
200	300	295	255	6	5	6	14	17	14	11	9	4,8
200	600	295	255	13	8	10	19	30	29	22	16	7,4
200	1000	295	255	19	14	18	33	47	48	43	29	10,8
250	600	325	305	8	6	10	19	26	25	15	11	8,7
250	1000	325	305	14	10	15	27	40	42	30	18	12,7
315	600	365	370	7	5	8	17	21	19	16	10	10,3
315	1000	365	370	12	8	13	26	37	35	21	16	15,0
400	600	510	455	7	7	11	17	21	25	22	18	16,4
400	1000	510	455	8	11	15	25	33	36	35	29	23,7
500	600	560	555	0	8	10	18	24	26	23	19	20,3
500	1000	560	555	3	11	15	25	36	37	38	35	29,4
630	600	720	685	8	8	11	18	24	26	22	19	28,2
630	1000	720	685	11	12	17	27	34	37	36	27	41,4

Pressure drop for dimensions 100-315

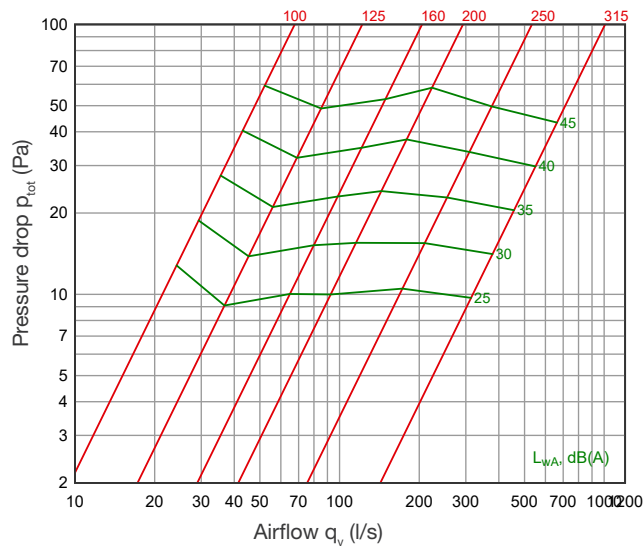
NTP 300



NTP 600

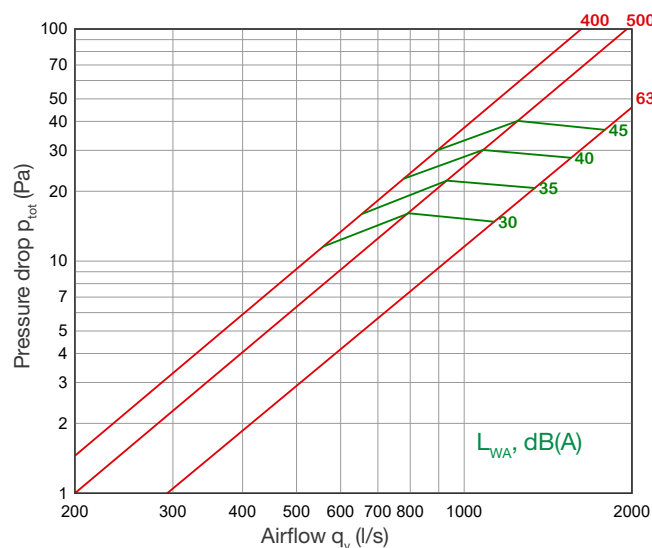


NTP 1000

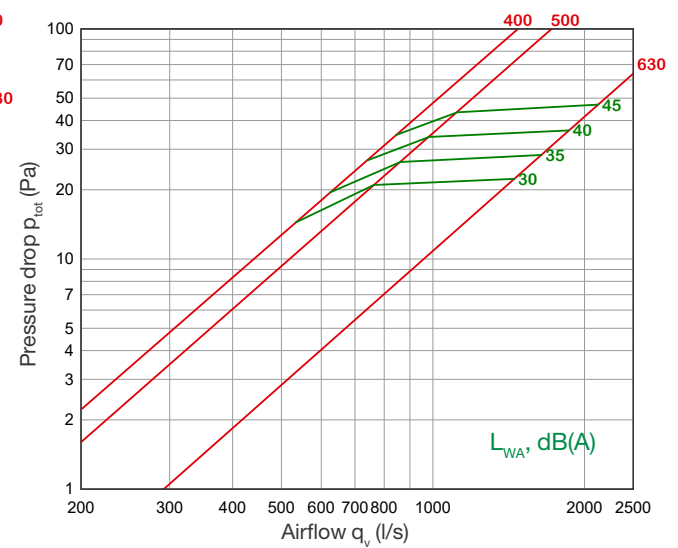


Pressure drop for dimensions 400-600

NTP L=600



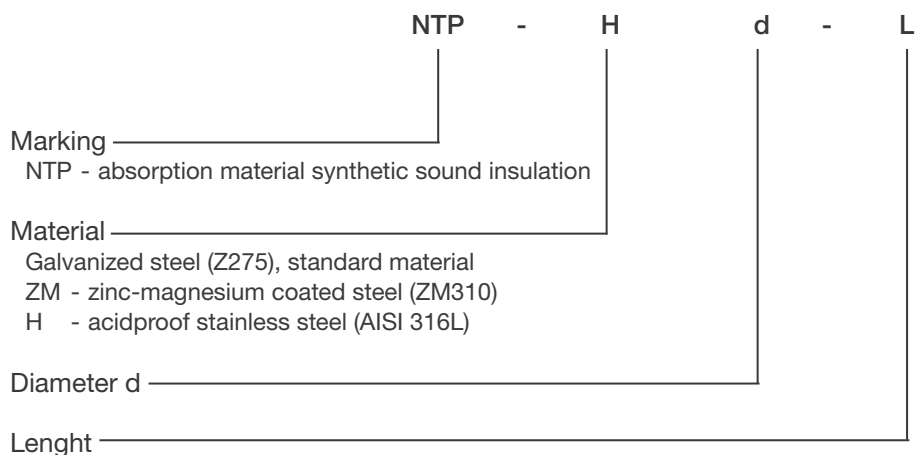
NTP L=1000



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

Product	Sound level correction factor K_{okt} (dB)							
	63	125	250	500	1k	2k	4k	8k
NTP100-300	0	5	5	-2	-13	-22	-27	-28
NTP100-600	-1	6	7	1	-12	-22	-28	-27
NTP100-1000	3	5	6	-1	-11	-21	-25	-25
NTP125-300	4	8	5	-3	-14	-22	-24	-21
NTP125-600	4	9	6	-2	-13	-23	-25	-22
NTP125-1000	2	4	4	-2	-12	-21	-23	-22
NTP160-300	8	10	7	-3	-14	-22	-23	-18
NTP160-600	8	11	7	-2	-14	-21	-20	-16
NTP160-1000	8	9	5	-3	-13	-20	-18	-13
NTP 200-300	8	6	4	-4	-13	-18	-20	-19
NTP 200-600	8	8	5	-2	-12	-17	-19	-17
NTP 200-1000	7	7	3	-4	-13	-18	-17	-17
NTP 250-600	8	7	5	-1	-7	-13	-17	-19
NTP 250-1000	6	6	4	-1	-8	-15	-18	-20
NTP 315-600	12	7	3	-2	-8	-13	-16	-16
NTP 315-1000	11	8	4	-2	-9	-14	-16	-16
NTP 400-600	17	7	-1	-4	-5	-9	-15	-21
NTP 400-1000	14	5	0	-4	-5	-8	-15	-22
NTP 500-600	7	5	0	-3	-5	-8	-14	-21
NTP 500-1000	8	5	1	-3	-5	-9	-15	-22
NTP 630-600	10	4	-3	-4	-4	-7	-15	-20
NTP 630-1000	8	3	-4	-4	-5	-6	-14	-22

Product Marking



Example: NTP 160-600
NTP-H 160-600