

# EXHAUSTSILENCERS

## Type NAS RESIDENTIAL GRADE

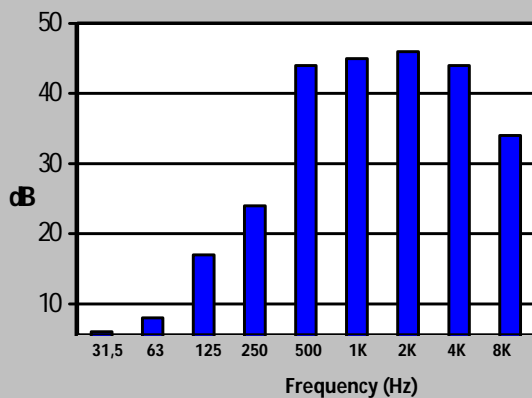
Novetec type NAS residential grade silencers are absorptive silencers and are in general used for attenuation (approx. 30 dB) in the middle and higher frequencies. These silencers can be mounted in both horizontal and vertical way.

In general, the silencers are manufactured in mild steel (S 235 JR G2) and provided with a black heat resistant silicon coating. The silencers are optionally also available in other material such as stainless steel 304, 321 and 316.

The pressure drop of the silencer is depending of the exhaust flow (gasvelocity) through the silencer. With the help of below mentioned formula it is easy to calculate the pressuredrop. If required we will give additional detailed information.



**Attenuation:** (measured on a 6" system)



**Pressureloss calculation:**

$$P = 0,18 \times \left( \frac{1,27 \times Q_v}{d^2} \right)^2 \times \left( \frac{293}{t+273} \right)$$

$Q_v$  = exhaustgasflow in m<sup>3</sup>/s  
 $d$  = boresize in m  
 $t$  = temperature in °C  
 $P$  = pressure loss in Pa

**Dimensions:**

Boresize	050	065	080	100	125	150	200	250	300	350	400	450	500
<b>A (mm)</b>	60,3	76,2	88,9	114,3	139,7	168,3	219,1	273,0	323,9	354,0	406,4	457,2	508,0
<b>B (mm)</b>	150	200	200	250	300	350	400	550	600	700	800	800	900
<b>C (mm)</b>	750	750	1000	1000	1250	1250	1500	2000	2250	2500	2750	3000	3000
<b>D (mm)</b>	900	900	1150	1250	1500	1500	1750	2250	2500	2750	3000	3250	3250
<b>Weight kg</b>	10	15	20	30	45	70	95	200	275	350	425	475	575

Flanges <ND400 according DIN2576 PN10, larger flanges according DIN86044 – other flanges on request.

