

EXHAUSTSILENCERS

Type NRS

Novetec type NRS silencers are reactive silencers with an attenuation mainly in the lower frequencies. This type of silencer is mainly used in combination with Novetec silencertype NAS and is optionally available with an integrated sparkarrester. These silencers can be mounted in both horizontal and vertical way.

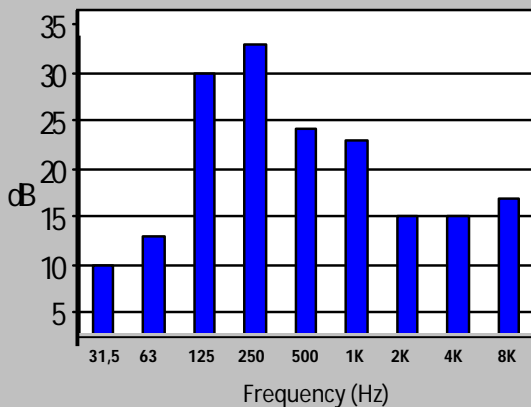
In general, the silencers are manufactured in mild steel (S 235 JR G2) and provided with a black heat resistant silicon coating. The silencers are optionally also available in other material such as stainless steel AISI304, 321 and 316.

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:

$$P = 2,4 \times \left(\frac{1,27 \times Q_v}{d^2} \right)^2 \times \left(\frac{293}{t+273} \right)$$

Q_v = exhaustgasflow in m³/s

d = boresize in m

t = temperature in °C

P = pressureloss in Pa

Dimensions:

Boresize	050	065	080	100	125	150	200	250	300	350	400	450	500
A (mm)	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 (mm)	250	300	300	400	400	480	600	700	800	950	950	1100	1200
C (mm)	750	750	1000	1250	1500	1500	1750	2250	2500	3000	3500	4000	4500
D (mm)	900	900	1250	1500	1750	1750	2000	2500	2750	3250	3750	4250	4750
Gewicht (kg)	20	30	35	70	80	100	180	275	350	550	700	1100	1350

Side in- outlet optional, Flanges <ND400 according DIN2576 PN10, larger flanges according DIN86044 – other flanges on request..

