

# EXHAUSTSILENCERS

## Type NCS CRITICAL GRADE

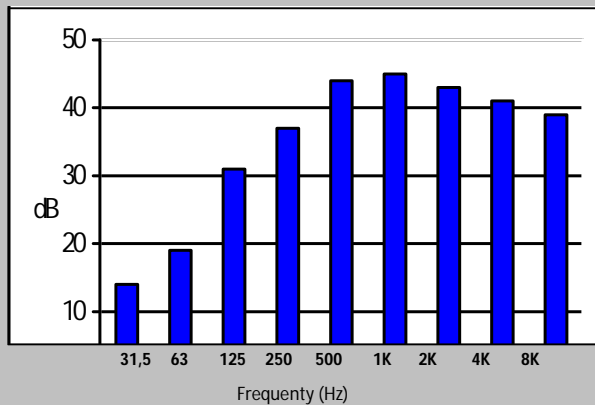
Novetec type NCS silencers are critical grade (combined reactive- / absorptive) silencers with a high attenuation, approx. 40 dB, across the entire frequency range, in combination with limited dimensions. This type of silencer is optionally available with an integrated sparkarrester. The silencers can 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:

$$P = 2,7 \times \frac{(1,27 \times Q_v)^2}{d^2} \times \left( \frac{293}{t+273} \right)$$

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

### Dimensions:

Doorlaat	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
Weight (+/- in kg)	25	35	40	80	90	130	200	300	400	625	800	1250	1500

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

