



Also available in version 15 - 25 - 30 - 40 dB (A)

Acoustic

The acoustic principle of our SM50 EVO® silencer is based on a reactive device associated with a dissipative device. The new generation of EVO® range achieves a higher acoustic performance at low frequencies in a smaller size and a lower weight.

Selection criteria

After selecting the attenuation required according to the acoustic performance, the correct bore size can be found in the by referring to the back pressure graph below.

Installation recommendations

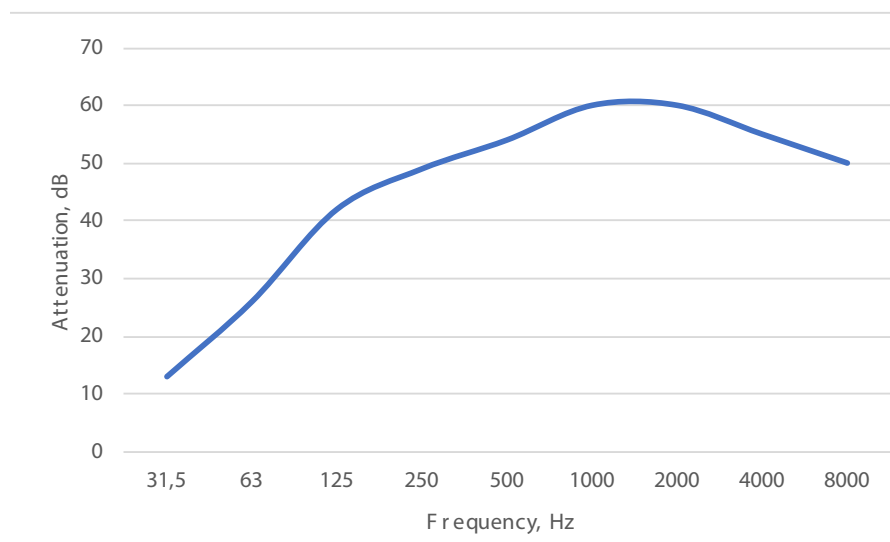
In order for the silencer performance to be optimal, it is recommended to place the silencer as close as possible to the engine exhaust outlet. Our experts can advise you on the optimal position of the silencer in your exhaust system.

The silencer must be installed in such a way as to allow for expansion with a fixed point at the inlet end. An expansion system must be provided on the installation to absorb the movements and to ensure that no vibration or mechanical stress is applied to the silencer.

In order to avoid any vibration transmission, an «elastic» device should be placed between the silencer and the support system.

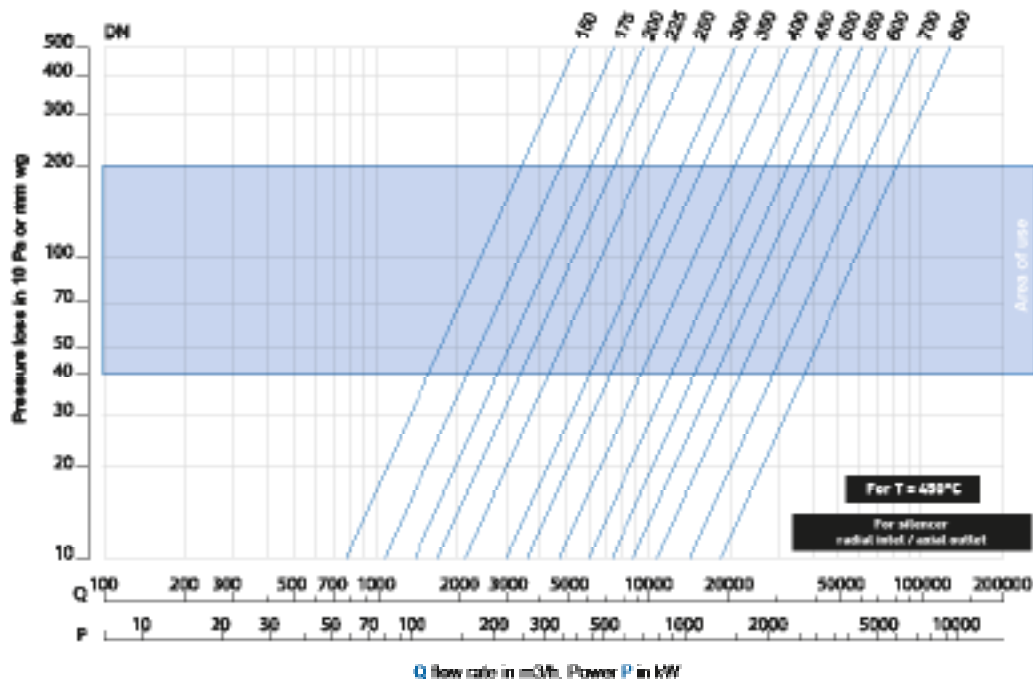


ACOUSTIC PERFORMANCE OF SILENCER SM50 EVO®



50 dB (A) guaranteed acoustic performance *

SELECTION OF THE NOMINAL DIAMETER OF SILENCERS



DIMENSIONAL TABLE

DN	150	175	200	225	250	300	350	400	450	500	550	600	700	800
DE (mm)	168	194	219	246	274	324	356	406	457	508	557	609	710	812
D (mm)	600	630	650	710	750	825	897	952	1024	1070	1170	1240	1400	1543
LT (mm)	2563	2840	3126	3334	3755	4210	4329	4604	4955	5433	5640	6030	6400	6388
LE (mm)	2128	2380	2630	2755	2955	3300	3555	3840	4160	4399	4750	5050	5585	5530
E (mm)	100	110	126	125	105	110	120	120	130	130	140	151	141	170
PE (mm)	415	440	465	490	525	575	600	620	630	685	745	760	905	975
Nett weight (kg) without flanges	177	203	231	280	354	450	617	710	859	999	1186	1356	2215	2575
Nett weight (Kg) With flanges, counter-flanges, gaskets & bolts	194	222	252	303	380	479	657	761	916	1062	1263	1436	2353	2746
Gross weight (Kg) without flanges	198	229	254	304	379	475	648	742	906	1047	1239	1410	2276	2639
Gross weight (Kg) With flanges, counter-flanges, gaskets & bolts	215	248	275	327	405	504	688	793	963	1110	1316	1490	2414	2810

- Dimensions are shown without flanges, add 5 mm for each welded flange
- Dimensional tolerances to ISO 13920 class B
- Average intrinsic attenuation of the range based on a dominant 125 Hz spectrum.

