



Also available in version 15 - 25 - 40 - 50 dB (A)

Acoustic

The acoustic principle of our SM30 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

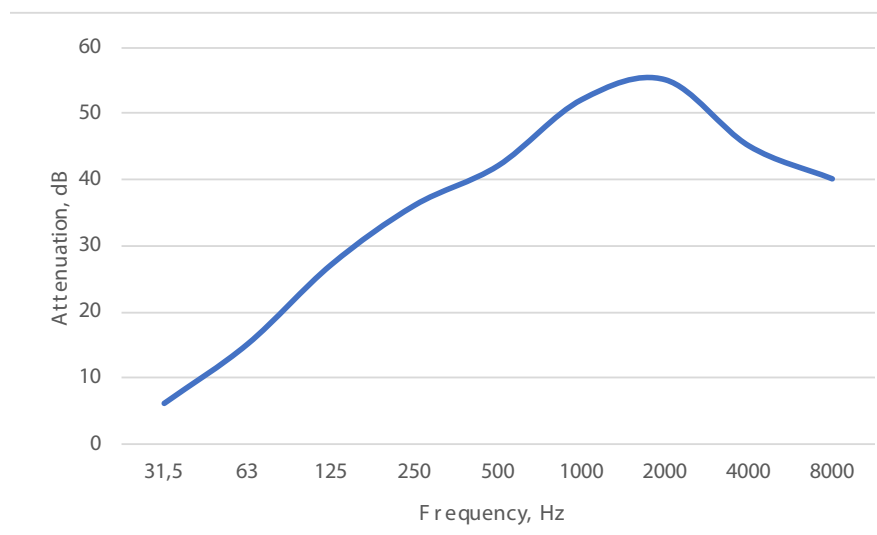
In order for the silencer performance to be optimal, it is recommended to place the silencer as close as possible to the engine exhaust outlet. Our experts can advise you on the optimal position of the silencer in your exhaust system.

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.

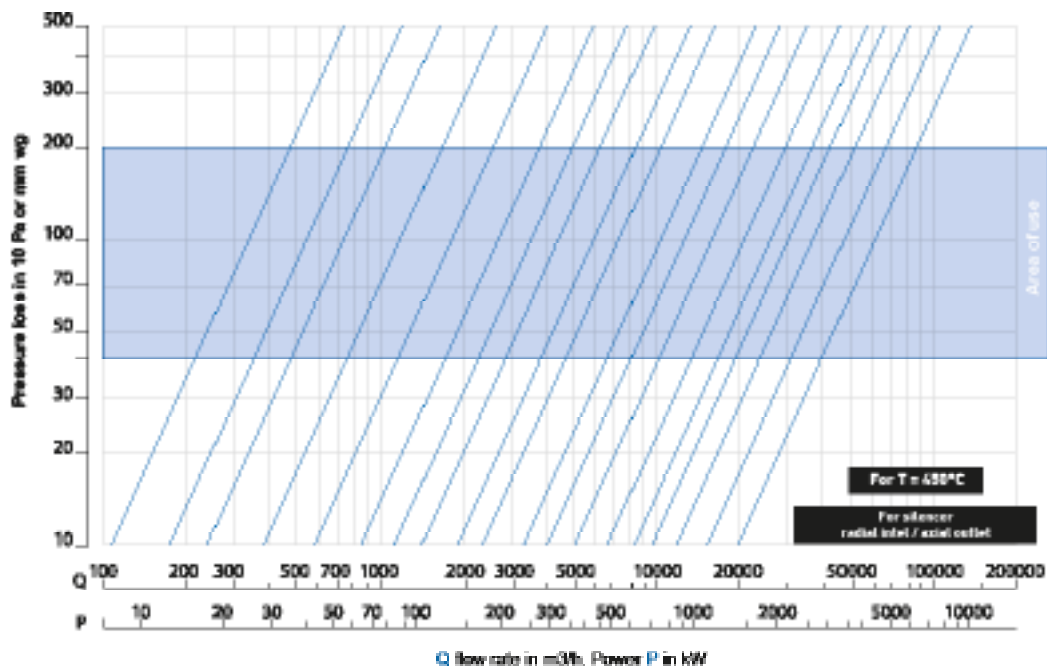


ACOUSTIC PERFORMANCE OF SILENCER SM30 EVO®



30 dB (A) guaranteed acoustic performance *

SELECTION OF THE NOMINAL DIAMETER OF SILENCERS



DIMENSIONAL TABLE

DN	50	65	80	100	125	150	175	200	225	250	300	350	400	450	500	550	600	700	800
DE (mm)	60	76	89	114	140	168	194	219	246	274	324	356	406	457	508	557	609	710	812
D (mm)	180	200	250	300	400	400	441	480	528	579	667	718	786	844	897	952	1024	1215	1426
LT (mm)	560	740	900	1100	1250	1636	1874	2066	2381	2655	3027	3207	3539	3801	4090	4256	4464	4814	5123
LE (mm)	440	590	710	880	1025	1250	1440	1631	1880	2098	2484	2733	2980	3224	3426	3633	3818	4173	4472
E (mm)	70	75	75	75	105	95	96	110	110	110	110	120	120	120	130	135	145	150	165
PE (mm)	165	175	210	230	300	330	330	375	405	450	475	550	575	625	685	740	800	905	975
Masse nette (Kg) sans bride	8	11	18	29	48	63	80	105	133	174	247	292	351	425	592	669	780	1091	1770
Masse nette (Kg) Avec brides, contrebrides, joints, boulons	14	18	26	39	60	80	99	126	156	200	276	332	402	482	655	746	860	1229	1941
Masse brute (Kg) sans bride	11	14	22	35	58	76	98	127	154	195	269	317	382	458	632	714	828	1152	1833
Masse brute (Kg) Avec brides, contrebrides, joints, boulons	17	21	30	45	70	93	117	148	177	221	298	357	433	515	695	791	908	1290	2004

- 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.

