

Technical DATA SHEET



www.groupe-boet.com

SM40 EVO 2

Combining compactness, acoustic performance and aerodynamic efficiency, the SM EVO® 2 meets the most stringent requirements of industrial applications.

- Guaranteed performance of 40 dB(A)
- Optimized pressure drop
- Reduced mass and overall dimensions
- Improved internal flow
- Also available in 30 and 50 dB(A) versions



Contact us for a specific request



Technical features

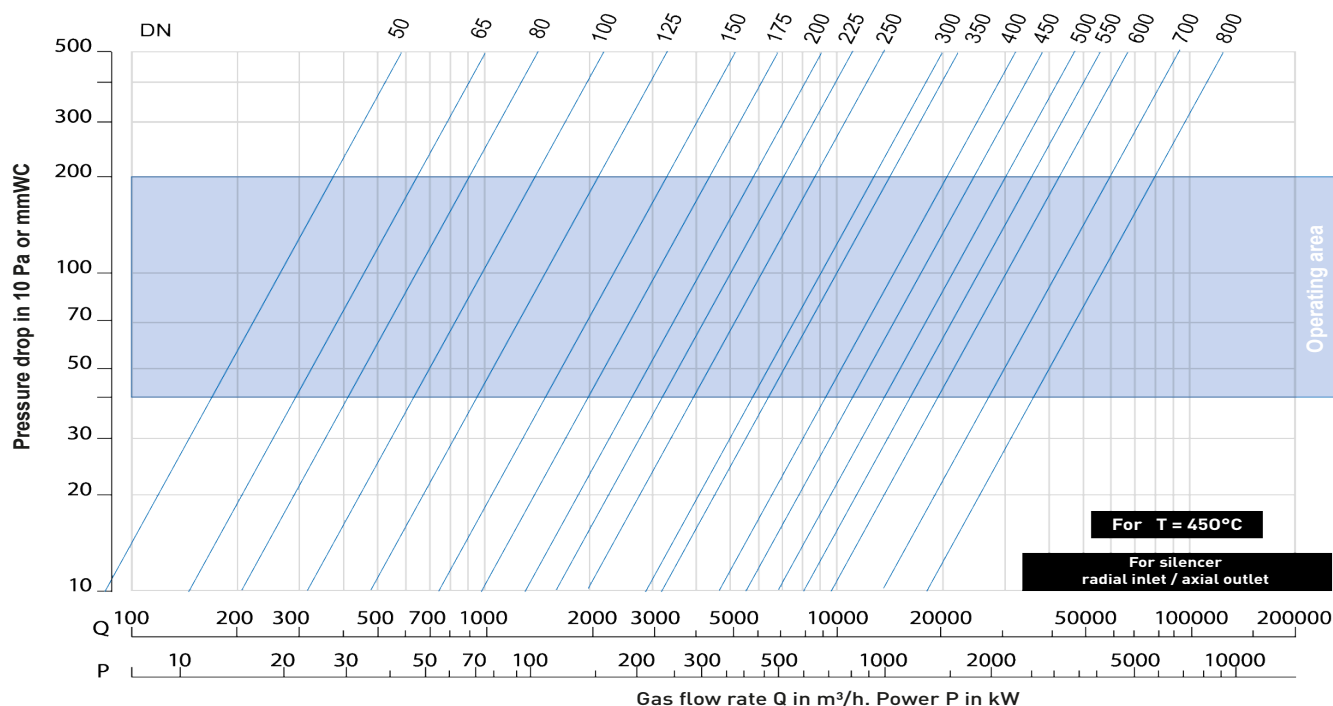
		Standard	Customized
Casing	Material	Carbon steel S235JR	304L, 316L or other stainless steels
	Connection	PN10 folded-edge flanges <DN400 PN10 reduced-thickness flanges > DN400	Available on request (BW, BS10, WN...)
Soundproofing	Material	High-density fire-resistant mineral wool	Also available with alternative fibers
	Protection	Perforated metal sheet	
Orientation		Radial-Axial, Axial-Axial	Any configuration available
Available configurations		Multi-inlets, supports, spark arresters, catalyst, SCR, DPF...	

Intrinsic noise reduction dB of SM40 EVO 2 radial inlet version

[illegible]

Nominal diameter selection

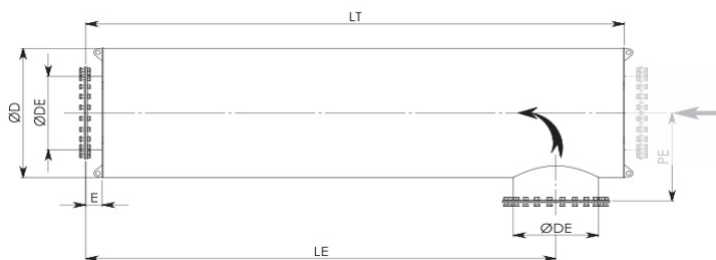
The selection of the nominal diameter (DN) of the SM EVO® 2 silencer depends on the gas flow rate and the allowable pressure losses. The chart below illustrates the recommended operating ranges, ensuring an optimal balance between acoustic performance and engine efficiency.



Dimensional table (in mm)

DN	50	65	80	100	125	150	175	200	225	250	300	350	400	450	500	550	600	700	800
ØDE (mm)	60,3	76,1	88,9	410	139,7	168,3	193,7	219,1	246	273	323,9	355,6	406,4	457	508	559	610	711	813
ØD (mm)	280	300	360	410	440	490	530	560	600	630	680	740	800	870	920	1000	1050	1170	1300
LT (mm)	822	897	1022	1172	1502	1777	2127	2452	2652	2856	3231	3481	3656	3981	4206	4506	4685	5235	5689
LE (mm)	716	785	903	1026	1334	1612	1935	2259	2440	2622	2972	3201	3345	3645	3843	4096	4241	4746	5147
E (mm)	80	80	70	70	100	100	100	101	101	100	100	100	100	100	100	101	100	101	102
PE (mm)	210	220	250	275	320	345	365	380	400	415	440	470	500	535	560	600	625	685	750
Net weight without flanges (kg)	22	26	37	50	67	101	132	161	188	221	274	354	410	504	666	785	878	1155	1451
Gross weight without flanges (kg)	25,5	29,5	40,5	53,5	74,5	108,5	139,5	180	208	242	296	378	436	541	706	827	922	1204	1505
Net weight with flanges (kg)	26	32	44	57	76	113	146	175	204	245	300	391	458	561	729	861	958	1293	1622
Gross weight with flanges (kg)	29,5	35,5	47,5	60,5	83,5	120,5	153,5	194	224	265	322	414	484	598	768	903	1002	1342	1676

Dimensions given without flanges – Dimensional tolerances according to ISO 13920 class B



Certified quality management system

ISO 9001



ISO 14443



Certified company

EN 15085-2



GROUPE BOËT

23 rue d'Amsterdam, 59200 Tourcoing - France
www.groupe-boet.com - contact@boet-stopson.com
T : +44 (0) 7564 052296