

Technical DATA SHEET



www.groupe-boet.com

SM50 EVO 2

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

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



Contact us for a specific request



Technical features

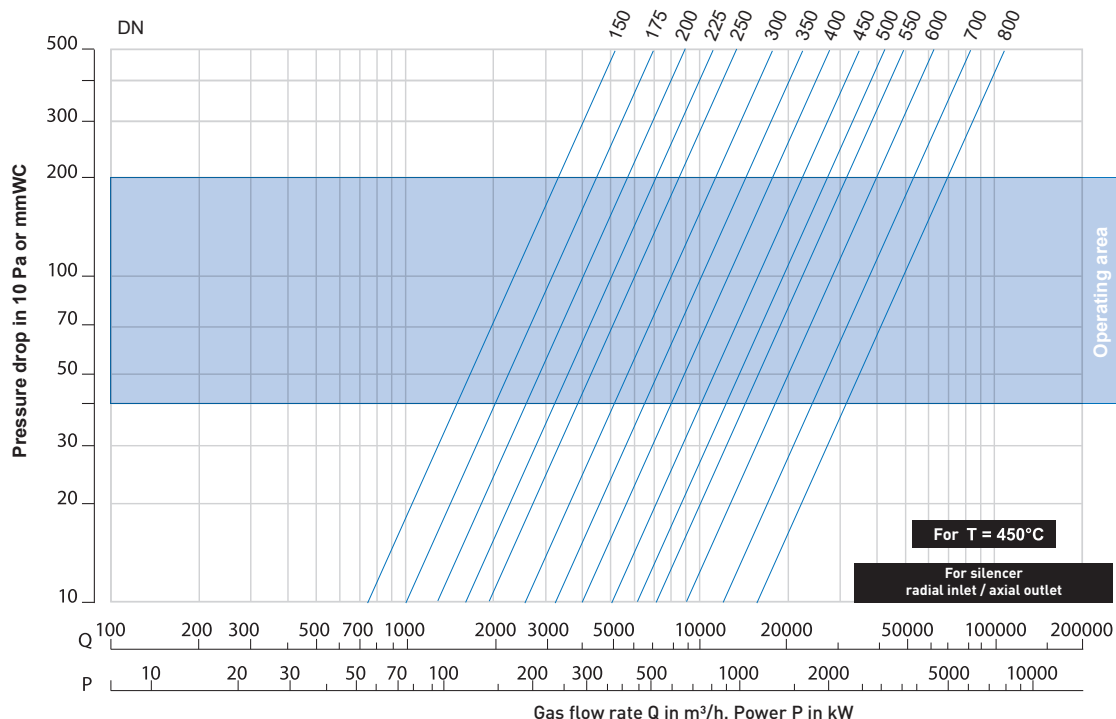
		Standard	Customized
Casing	Material	Carbon steel S235JR	304L, 316L or other stainless steels
	Connection	PN10 folded-edge flanges <DN400 PN10 reduced-thickness flanges > DN400	Available on request (BW, BS10, WN...)
Soundproofing	Material	High-density fire-resistant mineral wool	Also available with alternative 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 SM50 EVO 2 radial inlet version

[illegible]

Nominal diameter selection

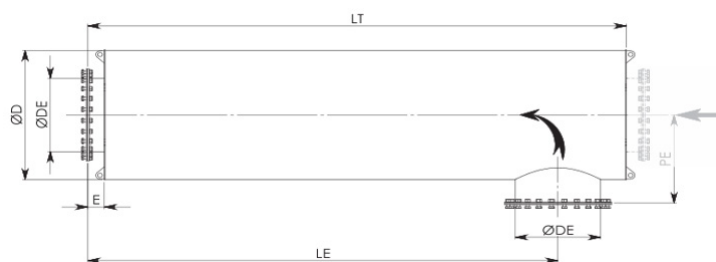
The selection of the nominal diameter (DN) of the SM EVO® 2 silencer depends on the gas flow rate and the allowable pressure losses. The chart below illustrates the recommended operating ranges, ensuring an optimal balance between acoustic performance and engine efficiency.



Dimensional table (in mm)

DN	150	175	200	225	250	300	350	400	450	500	550	600	700	800
ØDE (mm)	168,3	193,7	219,1	246	273	323,9	355,6	406,4	457	508	559	610	711	813
ØD (mm)	520	570	610	660	720	800	840	900	970	1020	1100	1180	1300	1400
LT (mm)	2292	2678	3006	3456	3406	3531	3881	4256	4532	4810	5110	5385	6041	6833
LE (mm)	2127	2486	2810	3241	3172	3272	3601	3945	4196	4445	4697	4941	5549	6287
E (mm)	101	101	100	100	100	100	100	100	101	100	100	100	102	140
PE (mm)	367	392	412	437	447	500	520	550	585	610	650	690	750	800
Net weight without flanges (kg)	135	177	221	278	337	403	468	653	763	922	1085	1248	1591	2217
Gross weight without flanges (kg)	153	196	242	300	360	429	494	692	804	965	1131	1296	1644	2274
Net weight with flanges (kg)	147	189,9	235,6	293,8	359,8	428,7	503,5	701,8	820	984	1161	1328	1729	2388
Gross weight with flanges (kg)	165	210	256	315,8	384	454,7	531	740,8	861	1027	1207	1376	1782	2445

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