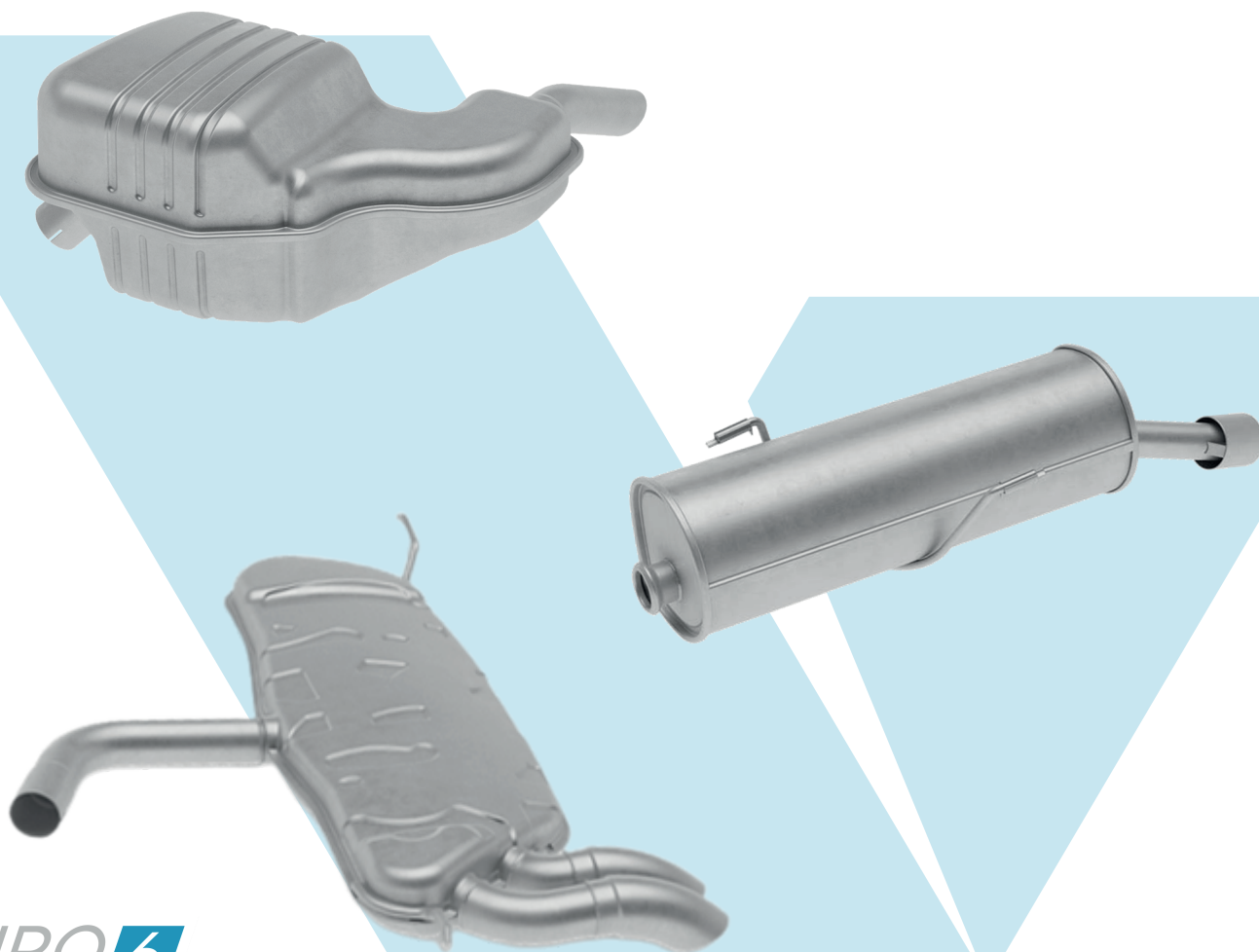
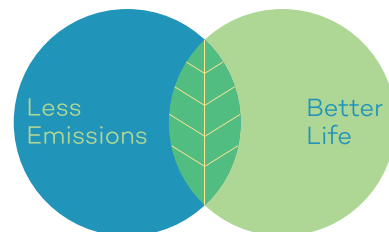


PRODUCT TECHNICAL SHEET

Silencer



EURO6



What is a Silencer?

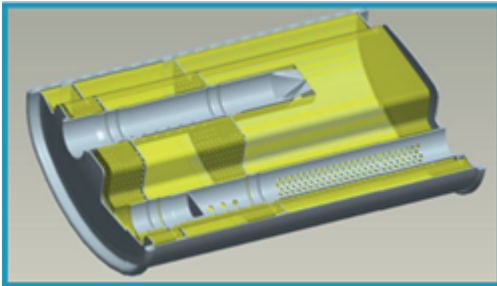
A silencer (muffler) is a device that reduces the noise emitted by an internal combustion engine and regulates the backpressure of the exhaust gases, contributing to a consumption reduction and optimized performance.

How does it work?

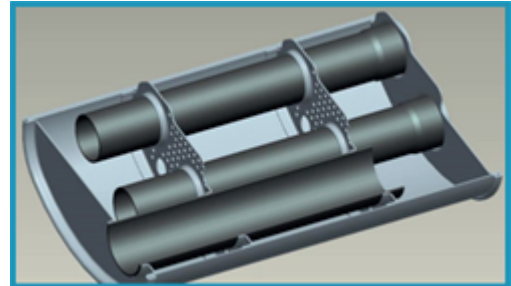
Its functioning principle is based on sound waves mechanisms, where sound waves are cancelled, by applying a correct geometry and dimension.

All VENEPORTE silencers are, before being marketed, tested by accredited laboratories where their performance is verified.

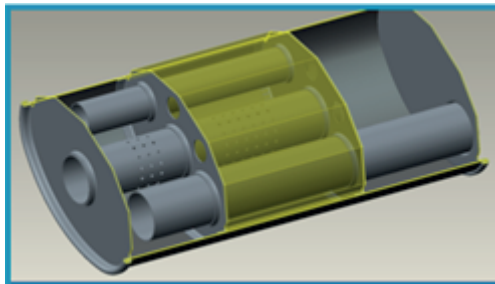
Functional typologies



ABSORPTION (DISSIPATIVE)



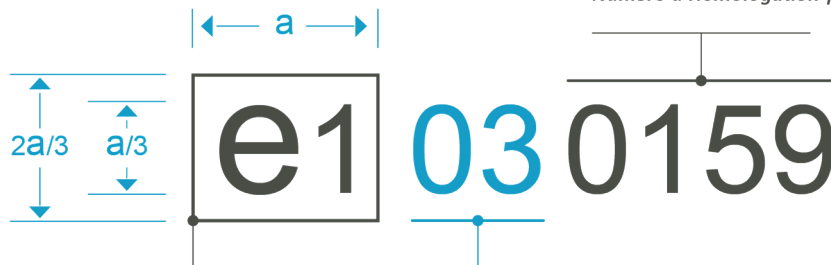
REFLECTION (REACTIVE)



COMBINED

Homologation

$a \geq 8 \text{ mm}$



Número de Homologação | Approval Number
Homologationsnummer | Numero di Omologazione
Numéro d'Homologation | Número de Aprobación

País de Homologação | Approval Country
Land Homologation | Paese di Omologazione
Pays d'Homologation | País de Homologación

1	Germany	12	Austria
2	France	13	Luxembourg
3	Italy	17	Finland
4	Netherlands	18	Denmark
5	Sweden	21	Portugal
6	Belgium	23	Greece
9	Spain	IRL	Ireland
11	UK		

Directiva Europeia de Homologação
European Approval Directive
Europäische Richtlinien Homologation
Direttiva Europea di Omologazione
Directive Européen d'Homologation
Directiva Europea de Homologación

Directiva 70/157/EEC N.º00→
Directiva 70/212/EEC N.º01→
Directiva 84/424/EEC N.º02→
Directiva 92/97/EEC N.º03→

How does it work?

All VENEPORTE silencers are submitted to the following tests:

- Fitting test;
- Dynamic and static noise testing;
- Backpressure measurement.

Homologated

- The backpressure and noise levels are identical to those of the original equipment (OEM/OES);
- Indicator of a product with durability like OEM/OES products;
- Does not change the engine performance;
- It is not allowed (forbidden and illegal) to install non-homologated silencers in the EU.

Non-Homologated

- Can be incorrectly dimensioned and have incorrect backpressure, resulting in higher fuel consumption;
- The installation of non-homologated products is subject, in different countries, to high fines. The responsibility of installing non-homologated products lies with the installer.

Available

- Silencers - more than 2700 active references - more than 18 600 applications

Reasons to choose VENEPORTE

- More than 50 years of OEM/OES and IAM supply experience;
- Developed similar to OEM/OES products;
- Range 100% tested and homologated;
- Direct fit assembling - guaranteed;
- High resistance to corrosion due to quality raw materials.