

TENOR spiral silencers

The ideal solution for silencing in small installation spaces



AT A GLANCE

- Compact design with a high level of silencer performance
- TSE series with attenuation up to 28 dB(A)
- TSB series with attenuation up to 33 dB(A)
- Material qualities: cold-rolled, aluminium-plated steel or stainless steel 1.4301 (V2A) / 1.4571 (V4A)
- Heat-resistant and/or seawater-resistant coatings for temperatures up to 600 °C
- Stainless steel model can be electropolished, pickled or glass-bead blasted upon request

The »TENOR« Spiral Silencer System is the ideal solution wherever you need a high level of silencer performance coupled with a small installation space.

The spiral-shaped exhaust chamber on the inside of the silencer housing provides the greatest possible curved surface, which serves to effectively break up linear sound waves.

The system can be used practically anywhere. The TENOR Spiral Silencer is optimally suited for use in vehicle construction and mechanical engineering systems as well as in plant engineering systems or the

shipbuilding industry to sustainably reduce noise emissions from diesel, petrol and natural gas engines.

We offer our TENOR spiral silencers for engine outputs from 8 to 850 kW and can achieve insertion losses of 28 or 33 dB(A).

At the same time, only one third of the installation space required for a conventional industrial silencer is required. We can design a total of 15 system sizes in nine different versions to meet your requirements in terms of damping, arrangement, cable routing and mounting options.

PRODUCT OVERVIEW

Active DPF
Passive DPF
SCR-System

- **Sound absorbers**
- Thermal isolation
- Exhaust pipes

Catalysts
Spark arresters
Pipe Connection Technique

We can design a total of 15 system sizes in nine different versions to meet your requirements in terms of damping, arrangement, cable routing and fastening options. We always keep an eye on the specifications of the motor manufacturer and the maximum possible installation space.

In addition, we can also offer you piping, brackets, clamp and flange connections, as well as precisely fitting heat protection insulation for the entire system.

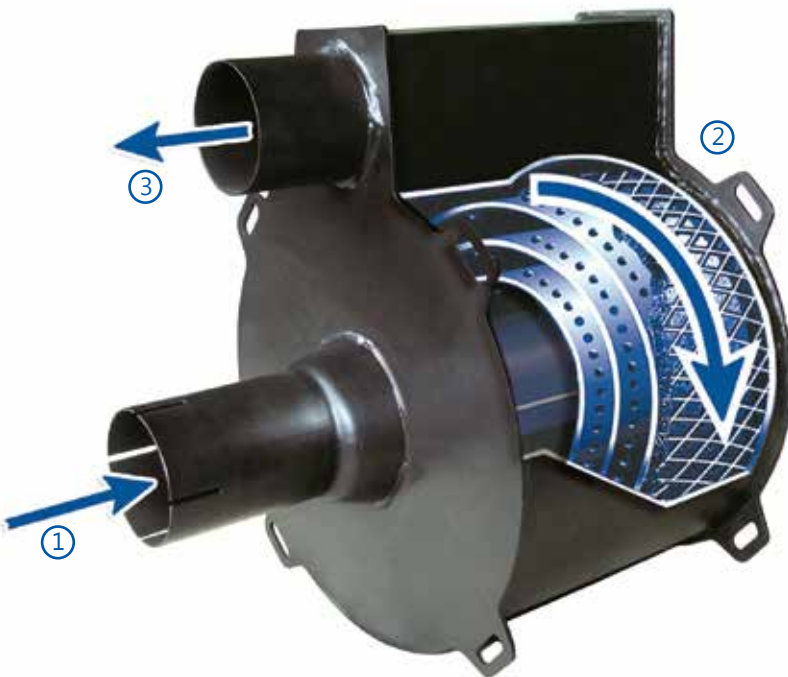
As standard, we supply the TENOR spiral silencer in coated steel, up to size 60 in a material thickness of 1.5 mm, larger

series are manufactured from 2 mm material.

The matt black coating is temperature resistant up to 600 °C and is baked during the manufacturing process to prevent corrosion during storage or before the engine is put into operation.

On request, we can manufacture the TENOR spiral silencer or the complete exhaust system in silver or stainless steel.

TENOR spiral silencer **FUNCTIONAL SCHEME**



- 1 Exhaust gas inlet
- 2 Spiral exhaust gas routing from the centre to the outside
- 3 Exhaust outlet (Here as an example shown, type TSM)



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