



H+R Flue Gas Silencers, which are usually behind the turbine, are well suited for very high temperatures (up to 720°C) in combination with high flow velocities.

H+R supplies behind the GT, for Bypass Stacks, and for HRSG outlet ducts and Main Stacks.

Acoustic design and calculation

Gas turbines are being used more and more in power plants today. At the same time the acoustic requirements have become more and more stringent. This means silencers are required for almost all installations that include gas turbines and heat recovery steam generators. Our acoustic design covers optimized solutions for the whole system, starting from gas turbine exhaust flange up to stack outlet. H+R is one of the companies that gives guarantees for the whole system, based on our R&D and site measurements.

Materials

Our specific design reflects the choice of material according to aero-thermal requirements:

- Hot silencers: stainless steel
- Cold silencers: galvanized or stainless steel
- Extremely robust and thermal load resistant design of baffles by using FEM calculations.
- Manufactured for all duct and stack dimensions required in practice.

Frames and perforated plates from Stainless Steel

- 1.4512 (409)
- 1.4541 (321)
- 1.4878 (321H)

Welded baffles

Absorption material infill:

- Basalt wool up to 500°C
- E-Glass up to 650°C
- HT-Glass up to 720°C

Acoustic pillow envelope:

- E-Glass fabrics
- HT-Glas fabrics



FLUE GAS SILENCERS

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