



## H+R supplies full range of blow-off and steam-vent silencers with latest state-to-the-art design to supply quality silencers for Power Plants and all Process Industries

Profiting from several decades of experience, H+R has developed most efficient silencers with the longest design life. We developed diffuser silencers to optimize acoustic performance and mechanical design. Along with a lot of site experience, we are one of the leaders in the design, fabrication, and delivery of silencers.

### Applications

Blow-off Silencers are supplied for a variety of applications:

- Safety valve silencers
- Vent silencers
- Silencers for Air, N<sub>2</sub>, CO<sub>2</sub>, any other gas
- Start-up silencers
- Snort valve silencers
- Control valve silencers
- Natural gas silencers
- Special solutions

### Acoustic Design and Calculation

Our silencers are specially designed for applications downstream of safety or pressure control valves. The design and calculation process requires the following data: medium, mass flow, pressure and temperature upstream of the valve and of course acoustic requirements.

### Scope of Supply

The following shows the comprehensive range of services for our projects:

- Acoustic design and optimisation
- 3-D (CAD) model engineering
- Pressure part calculation (ASME, AD2000, EN13445)
- Pressure part third party design check
- Static calculation
- Procurement
- Production
- Third party and quality inspection
- Delivery
- Assembling
- Documentation



## BLOW-OFF & STEAM-VENT SILENCERS

### EUROPE

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