



Our vent silencers are designed to reduce the very high noise level created by the expansion of a high-pressure gas or steam into the atmosphere.

PRODUCT DESCRIPTION:

The release of a pressurized fluid into the atmosphere through a restricted section (valve, valve, etc.) will cause the appearance of supersonic shock cells and significant turbulence.

Part of the energy released will be transformed into acoustic energy and generate considerable sound levels of up to 170 dB that must be processed.

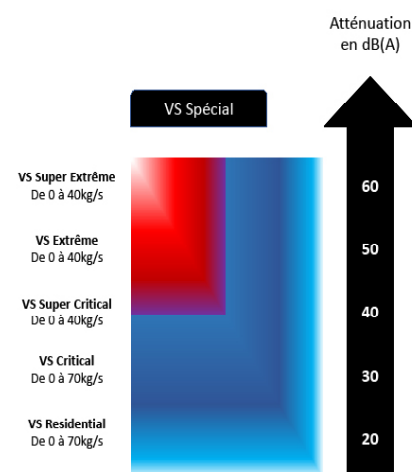
Our calculation models established by our acoustic engineers and doctors in fluid mechanics allow us to offer silencers whose acoustic and aerodynamic behavior is totally controlled to meet this problem.

A VS muffler implements several techniques to effectively reduce noise:

- Use of single and multi-stage acoustic expansion valves.
- Destruction of shock cells thanks to a porous complex.
- Absorption of mid and high frequencies using a dissipative system.

FEATURES OF OUR MUFFLERS:

- Noise attenuation from 10 to 60 dBA
- Safety: intermittent operation
- Process control, commissioning or purging: regular or continuous operation
- Consideration of the European Pressure Equipment Directive
- Applicable for any installation within the European Union, and elsewhere according to customer requirements
- For any pressure above 0.5 bar relative
- Non-destructive tests, CE marking as appropriate...
- Valve Protection
- Control of the relaxation process
- Very low or very high temperature operation
- Corrosion Allowance
- Non-destructive tests, CE marking as appropriate...



OUR OTHER OPTIONS:

To meet your specific applications, the following options are available:

Expansion box:

This optional equipment allows piping movements (thermal expansion, misalignment, etc.) while avoiding stress on the equipment:

- Radial movement: +/- 20 mm
- Axial movement up to 50 mm
- Sealing maintained between tubing and muffler

Support :

Bracket is included at the base of the muffler.
Other support modes can be offered as an option

Application :

- Safety valve
- Valve
- Intermittent or continuous operation

Connection:

- Any type of flange on request
- Welding Tube

Rain hat:

- Protection from bad weather: rain, snow...
- Improved acoustic performance

All gaseous fluids:

Saturated water vapor, superheated, Air, Oxygen, Dioxygen, Nitrogen, Gas, Rare

Market:

Power Generation / Food & Beverage / Nuclear / Oil & Gas Industry



OUR CAPABILITIES:

- Acoustic design and optimization
- 3D CAD Engineering
- Static calculations
- Pressure part sizing
- Quality controls and inspections
- Dedicated manufacturer file
- Regulatory control of pressure parts
- PED 2014 68 EU compliance
- Integrated management of all supplies and services
- CODETI / EN13480 / ASME B31.1 / ASME B31.3

THEY TRUST US:

