

Silencer**Product Coding**
P6.....**Introduction**

Silencer is a critical noise attenuation device designed to reduce high sound pressure levels generated by the rapid discharge of steam or gas from safety valves, pressure relief systems, and vent stacks. In oil and gas, petrochemical, and power plants, uncontrolled venting can produce extreme noise, vibration, and environmental hazards.

Our company manufactures industrial silencers tailored to process conditions, ensuring compliance with occupational safety and environmental noise regulations while maintaining safe and unrestricted flow.

Features

- **High noise attenuation efficiency:** Multi stage diffusers and acoustic absorption sections effectively reduce noise to acceptable levels.
- **Heavy duty mechanical design:** Engineered for high pressure, high temperature, and thermal shock conditions associated with steam and gas relief.
- **Low back pressure:** Optimized internal flow paths prevent interference with safety valve or vent system performance.
- **Durable materials:** Fabricated from carbon steel, stainless steel, or special alloys for corrosive and high temperature service.
- **Weather and corrosion protection:** External coatings, insulation, and cladding available for outdoor and offshore installations.
- **Maintenance construction:** Modular design allows inspection and replacement of internal acoustic elements.
- **Compliance with standards:** Designed in accordance with OSHA, API, and project specific noise criteria.

Applications

- **Safety or relief valve discharge lines:** Noise reduction for pressure relief valves and pressure safety valves.
- **Steam blowdown systems:** Turbine start-up, boiler blowdown, and commissioning vents.
- **Process vent stacks:** Controlled depressurization of vessels, columns, and pipelines.
- **Power generation facilities:** Steam and gas venting from boilers, HRSGs, and turbines.
- **Oil and gas refineries and petrochemical plants:** Environmental noise control during normal operation and emergency relief events.



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