



SILENCER

SILENCERS play a vital function in minimizing the noise generated from machinery exhaust, fan sound, and other sources of noise, which involve gas flow. In essence, a silencer works to diminish the sound transmitted through the duct while enabling smooth passage of gas along the conduit.

As Your **Reliable Partner**

PANTAN has provided numerous process packages and equipment to different customers, tailored to meet their individual demands.

Our team designs, manufactures silencers for different applications and different sizes as per the client's requirements. To ensure quality, all completed systems undergo thorough testing in our workshops.

Our industrial silencers are specifically engineered to function under rigorous conditions, designed to conform to ASME standards and attain optimal noise reduction and durability.

PANTAN
صنایع پنتان شیمی



KEEP
The
**NOISE
DOWN**

Features

- High Performance
- Special internal chambers
- High pressure and temperature resistance
- Low pressure drop
- Customized design
- No vibration design

Type of Silencers:

- Steam vent silencer
- Absorptive silencer (Dissipative silencer)
- Reactive silencer
- Combination silencer

Steam vent **silencer**

Gas or steam noise reduction is achieved through the use of steam vent silencers. These silencers find common usage in oil and gas processing, chemical processing, and heat recovery steam generators or boilers.

Application

- High pressure vents
- Steam vents
- Safety valve outlet
- System blow downs
- Purge outlet

Absorptive **silencer** (Dissipative **silencer**)

Absorptive silencers primarily attenuate sound by absorbing sound energy, rather than reflecting it. This type of silencer contains absorbent packing materials that are fibrous and porous, which help to dampen sound volume and absorb sound waves

Application

- Centrifugal compressors
- Industrial fans
- Gas turbine inlets
- Frequencies between 500 to 8000 Hz



Reactive **silencer**

Multiple compartments and perforated tubes characterize the design of industrial reactive silencers. These perforations alter the directions of sound waves, causing them to bounce back towards the source of the noise, ultimately minimizing the volume of noise being heard.

Application

- Engine & Exhaust system
- Fixed speed machinery
- Machinery that produce noises range 200 to 2000 Hz

Combination **silencer**

Custom noise control solutions can be achieved through the use of combination silencers that incorporate different elements from various types of industrial silencers. Such silencers make use of techniques such as scattering and absorption to reduce noise levels to an acceptable and safe standard.

Application

- Wide range of noise level from low to high frequencies

Contact Us



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