

Industrial Silencers by their very nature are purpose designed to suit not only external acoustic criteria and OH&S requirements, they also often have onerous working environments. Whilst basing the performance on our earlier data sheets each unit is custom designed by our engineers. The following pages give photos of previously supplied industrial grade silencers specifically split into 3 broad headings.

- » General Industrial
- » Heavy Duty
- » Vent and Blow-down



GENERAL INDUSTRIAL SILENCERS

Sound Seal industrial silencers are used wherever air movement equipment is employed. Unsilenced industrial fans, blowers and compressors generate significant amounts of noise that would be detrimental to workers hearing and

productivity. Although the performance ratings are generally similar to the previous data sheets the construction is required to be more robust to withstand higher operating velocities, internal pressures, as well as wind and temperature loads.



Applications

- » Centrifugal compressors
- » Rotary blower inlet
- » Ventilation fans
- » Stack silencers

Industries

- » Manufacturing plants
- » Petrochemical plants
- » Mining and extraction industries
- » Food processing manufacturing
- » Oil and gas processing

Accessories

- » Bird mesh
- » Mounting feet
- » Weather hoods
- » Support brackets
- » Safety screens



HEAVY DUTY SILENCERS

Apart from meeting the basic requirements of acoustic and aerodynamic criterion, long life is of prime importance as many of these attenuators operate in extreme environments and remote locations. A variety of materials of construction are used ranging from thick carbon steel through to special alloy steels.

The internal acoustic components are often especially treated with fibreglass wrapping, and woven wire mesh located behind the perforated metal facing. Continuously welded joints and crack detection inspection are the standard in the manufacture of these silencers. The final choice of materials and assembly methods will always be subject to discussion and agreement with the client. All attenuators are manufactured under full quality assurance procedures.



Applications

- » Exhaust fans
- » Ventilation stacks
- » Tunnel ventilation
- » Self supporting stack silencers

Industries

- » Mines
- » Power Stations
- » Oil and gas industries
- » Marine applications

Accessories

- » Mounting feet
- » Weather hoods
- » Support brackets
- » Safety screens
- » Lifting lugs



VENT AND BLOW DOWN SILENCERS

When rapidly venting pressurized gas to atmosphere high levels of noise are generated. It is essential that these noise levels are attenuated to a level that will satisfy not only Health and Safety requirements but also the relevant environmental noise criteria for the site.

The Sound Seal vent silencers are either circular or rectangular case configurations, each

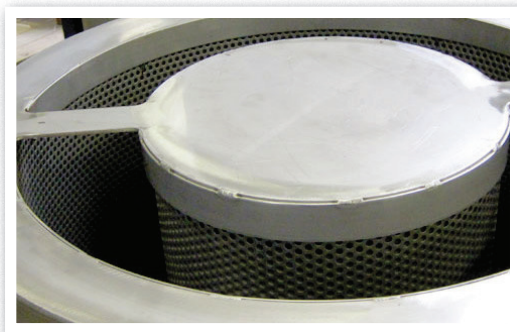
incorporates a perforated diffuser, an expansion chamber and attenuating element. The final choice and size will depend on the mass flow of the gas, its pressure and temperature and the required degree of attenuation.

Materials of construction are in all cases custom designed to suit the design conditions of the project.



Applications

- » Safety relief valves
- » Steam, air and gas vents
- » Process gas blow down
- » Boiler startup purging
- » Compressor blow downs
- » Gas turbine venting
- » Thermal power station venting



Accessories

- » Mounting feet
- » Weather hoods
- » Support brackets
- » Safety screens
- » Lifting lugs