



PRIMASOUND

A SOUND SOLUTION

Acoustic Cleaners

**High Energy
Low Frequency
Sound Waves
Eliminate Particulate
Build-up and Manages
Material Flow**

Having Trouble with Particle Build-Up?

The PrimaSound Acoustic Cleaner will Solve your Problems

Acoustic Cleaners are low frequency, high powered horns designed as a highly effective, economical means of preventing particulate build-up in industrial applications.

Principle of Operation

Acoustic Cleaners are pneumatically operated horns that produce low frequency, high energy sound waves.

The sound waves are produced when compressed air enters the sound generator and forces the only moving part, a diaphragm, to flex. The flexing action of the diaphragm generates sound waves that are amplified by the acoustic cleaner's bell.

The resulting sound waves cause particulate deposits to resonate and dislodge from the surfaces to which the particulate deposits have bonded. Once dislodged, the particulate deposits are then removed by gravity and/or gas flow.

Advantages

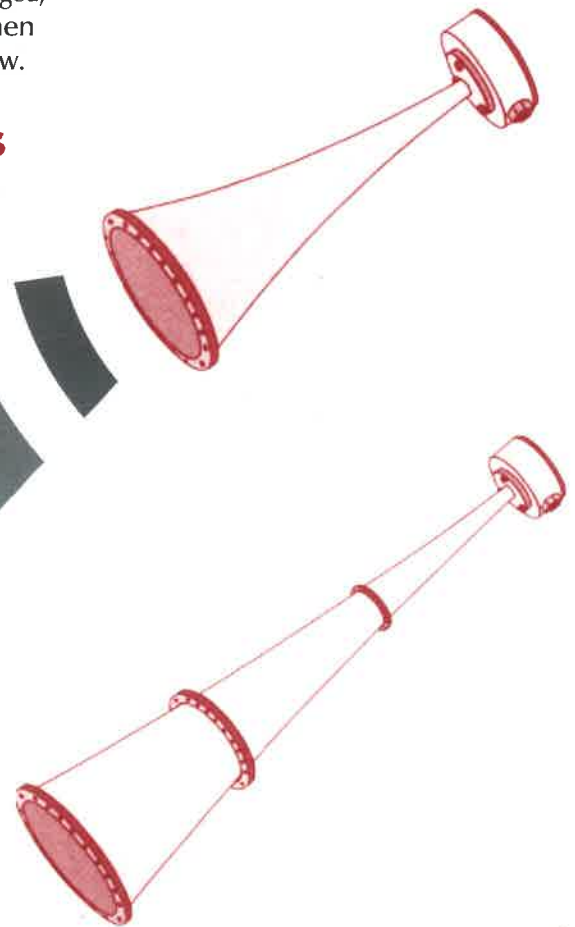
The advantages of cleaning with the **PrimaSound** Acoustic Cleaners over conventional cleaning methods are numerous ...

THE BOTTOM LINE IS
MAXIMUM
OPERATING EFFICIENCY
AND LOWER
OPERATING COSTS.
With the **PrimaSound**
Acoustic Cleaners
you have:

- Low Initial Investment
- Easy Installation
- Low Installation Cost
- Low Maintenance Cost
- Low Operational Cost
- No Structural Damage
- No Mechanical Wear on Equipment Surfaces
- No Corrosion or Blockage
- Cleaning of Inaccessible Parts
- Continuous Plant Operation
- Design and Installation Expertise from PrimaSound Corporation Professionals



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Standard & Custom Horns

PrimaSound offers several models of Acoustic Cleaners with fundamental frequencies ranging from 75 Hz to 360 Hz. These acoustic cleaners vary in physical size and effective cleaning area. Each model has specific installation strengths required to handle a wide range of applications. If required, PrimaSound's technical team will engineer an acoustic cleaner with the proper frequency, shape and material for your particular application.

Applications

Acoustic cleaning with the **PrimaSound** Acoustic Cleaners have proven more effective and efficient than conventional cleaning methods in a wide range of industrial applications.

BOILERS & ECONOMIZERS	<ul style="list-style-type: none">- Elimination of Steam Sootblowers- Prevention of deposit build-up- Increase heat transfer
ELECTROSTATIC PRECIPITATORS	<ul style="list-style-type: none">- Elimination of Rapping System- Elimination of hopper pluggage- Increase precipitator up-time- Prevention of deposit build-up
BAGHOUSES	<ul style="list-style-type: none">- Increase bag life- Decrease pressure drop across bags- Elimination of hopper pluggage
SILOS / BINS	<ul style="list-style-type: none">- Prevention of build-up on vertical walls- Elimination of ratholing and bridging
HOPPERS	<ul style="list-style-type: none">- Elimination of bridging problems- Increase product discharge
I. D. FANS	<ul style="list-style-type: none">- Prevention of out of balance conditions- Reduce fan horsepower requirements
SPRAY DRYERS	<ul style="list-style-type: none">- Prevention of build-up on vertical surfaces- Increase up-time- Elimination of product cave-in
DUCTWORK & BREECHING	<ul style="list-style-type: none">- Prevention of excessive particulate fall-out- Prevention of build-up on turning vanes
TUBULAR AIR PRE-HEATERS	<ul style="list-style-type: none">- Prevention of build-up- Increase up-time



The successful application of a **PrimaSound** Acoustic Cleaner can depend on many factors including type of deposit, temperature, dimensions/configuration of surfaces to be cleaned and proper mounting location.

PrimaSound's technical team has extensive field experience in the application and installation of acoustic cleaners. This enables us to provide the best acoustic cleaner for maximum effectiveness to suit your particular application.

Meets OSHA Requirements

Through proper installation, **PrimaSound** Acoustic Cleaners operate at external sound levels well within OSHA limits for periodic exposure. If environmental noise is a consideration, further reductions in noise levels are achieved through use of simple, economical engineering controls for the bell housing.

