

AC-75C Acoustic Cleaner

AC-938 Shown



ACS acoustic cleaners use compressed air to flex a titanium diaphragm to produce pressure pulses that are amplified by the bell. The resulting low frequency/high energy sound waves that are emitted resonates/dislodges particulate deposits. The displaced particulate deposits are then removed by gravity and/or gas flow.

ADVANTAGES:

- 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 & Installation Expertise from the ACS Professionals

| APPLICATIONS: | |
|-------------------------------------|--|
| Boilers | Prevents particulate deposit build-up and increases heat transfer efficiency |
| Precipitators | Prevents: <ul style="list-style-type: none"> • Distribution plate plugging • Collecting plate build-up • Electrode build-up • Hopper pluggage • Complete elimination of tumbling hammer rapping systems |
| Selective Catalytic Reduction (SCR) | Prevents deposit build-up on catalyst modules |
| Economizers | Prevents deposit build up on boiler tubes |
| Baghouses | Prevents: <ul style="list-style-type: none"> • Short bag life • High pressure drop • Hopper pluggage |
| Hoppers / Silos | Prevents: <ul style="list-style-type: none"> • Plugging • Material flow problems such as bridging and ratholing • Deposit build-up |
| Ductwork / Breeching | Prevents: <ul style="list-style-type: none"> • Excessive fallout • Deposit build-up |
| Fans | Prevents out of balance conditions |
| Air Pre-Heaters | Prevents particulate deposit build-up and increases heat transfer efficiency |

| SPECIFICATIONS: | | | |
|-------------------------------|--|----------------|----------------------|
| Power Weighted Mean Frequency | 160 Hz (Freq. Range- 31.5Hz to 315 Hz) | | |
| Fundamental Frequency | 75 Hz | | |
| Output Power Level | 147 dB | | |
| Material | Bell Section A | Bell Section B | Bell Section C |
| | Cast Iron | Cast Iron | Fabricated Stainless |
| Diaphragm Material | Titanium | | |
| Weight | 122 lbs | | |
| Air Requirements | Pressure – 70-90 PSI Consumption – 70-80 SCFM | | |

