

AC-75 Acoustic Cleaner

AC-907 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	112 lbs (51 kg)		
Air Requirements	Pressure – 70-90 PSI Consumption – 70-80 SCFM		

