

AC-220 Acoustic Cleaner

AC-941 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:	
Fundamental Frequency	220 Hz
Output Power Level	150 dB
Material Per Model:	Bell Section A
AC-941	Cast Iron
AC-946	Cast Stainless
Diaphragm Material	Titanium
Weight	36.5 – 38.5 lbs
Air Requirements	Pressure – 70-90 PSI Consumption – 70-80 SCFM

