

# AC-230 Acoustic Cleaner

AC-939 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"> <li>• Distribution plate plugging</li> <li>• Collecting plate build-up</li> <li>• Electrode build-up</li> <li>• Hopper pluggage</li> <li>• Complete elimination of tumbling hammer rapping systems</li> </ul>
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"> <li>• Short bag life</li> <li>• High pressure drop</li> <li>• Hopper pluggage</li> </ul>
Hoppers / Silos	Prevents: <ul style="list-style-type: none"> <li>• Plugging</li> <li>• Material flow problems such as bridging and ratholing</li> <li>• Deposit build-up</li> </ul>
Ductwork / Breeching	Prevents: <ul style="list-style-type: none"> <li>• Excessive fallout</li> <li>• Deposit build-up</li> </ul>
Fans	Prevents out of balance conditions
Air Pre-Heaters	Prevents particulate deposit build-up and increases heat transfer efficiency

SPECIFICATIONS:		
Fundamental Frequency	230 Hz	
Output Power Level	150 dB	
Material Per Model	Bell Section A	Bell Section B
AC-939	Cast Iron	Cast Iron
AC-942	Cast Iron	Cast Stainless
AC-948	Cast Stainless	Cast Stainless
Diaphragm Material	Titanium	
Weight	56.5 - 59 lbs	
Air Consumption	Pressure – 70-90 PSI Consumption – 70-80 SCFM	

