



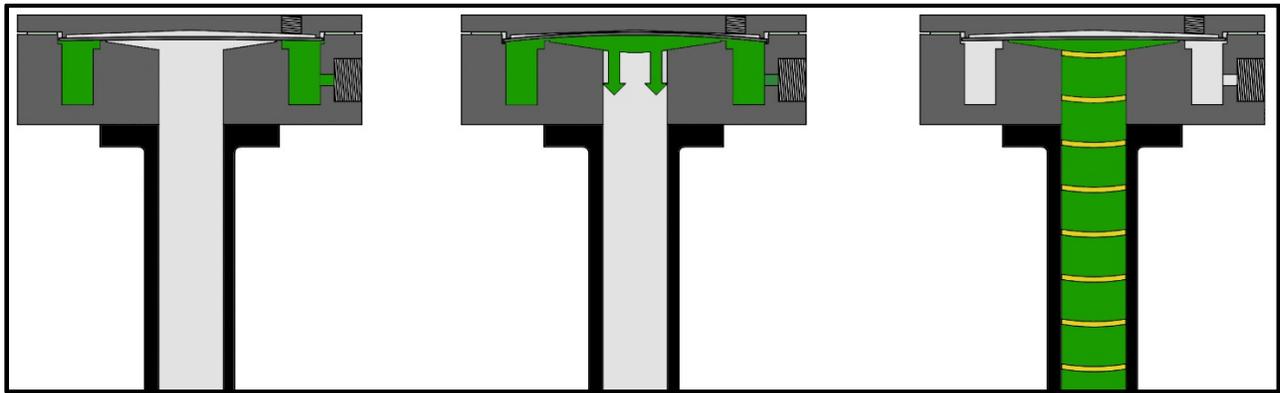
Acoustic Cleaning Systems, Inc.



The complete acoustic cleaner supplier. From design to expertise to repair, we simply blow our customers away.

ACOUSTIC CLEANER TECHNOLOGY

ACS acoustic cleaners are simple in modular construction. They feature two basic components... Bells for maximum output efficiency and a sound generator for sound production. ACS acoustic cleaners are pneumatically operated. Compressed air is forced over a precision machined titanium diaphragm, causing it to flex. This produces a low frequency, high energy sound waves which are amplified by the bell. These sound wave cause particulate deposits to dislodge and which can then be removed by gravity and / or gas flow. This series of pictures illustrates the science behind how our sound generator works:



Due to this simple yet effective design, acoustic cleaners are a clear solution in many applications such as Boilers, Precipitators, SCR's, Economizers, Baghouses, Hoppers and Silos, Ductwork, Fans, and Air Pre-Heaters.

Contact us today and let our experienced team of sales persons and engineers get you the solution to your particulate problem. ACS, we make acoustic cleaners work!



ADVANTAGES & APPLICATIONS



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 Professional



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

ACOUSTIC CLEANER LINEUP

<p>Model AC-75</p> 	<p>Fundamental Freq: Output Power: Weight: Length: Air Requirements:</p>	<p>75 Hz 147 db 112 lbs. 92" Pressure - 80 PSI Consumption - 80 SCFM</p>
<p>Model AC-75C</p> 	<p>Fundamental Freq: Output Power: Weight: Air Requirements:</p>	<p>75 Hz 147 db 122 lbs. Pressure - 80 PSI Consumption - 80 SCFM</p>
<p>Magnum</p> 	<p>Fundamental Freq: Output Power: Weight: Length: Air Requirements:</p>	<p>75 Hz 142 db 119 lbs. 63" Pressure - 90 PSI Consumption - 73 SCFM</p>
<p>Magnum C</p> 	<p>Fundamental Freq: Output Power: Weight: Air Requirements:</p>	<p>75 Hz 142 db 129 lbs. Pressure - 90 PSI Consumption - 73 SCFM</p>
<p>Model AC-230</p> 	<p>Fundamental Freq: Output Power: Weight: Length: Air Requirements:</p>	<p>230 Hz 150 db 56.5-59 lbs. 26.75" Pressure – 70-90 PSI Consumption – 70-80 SCFM</p>
<p>Model AC-220</p> 	<p>Fundamental Freq: Output Power: Weight: Length: Air Requirements:</p>	<p>220 Hz 150 db 36.5-38.5 lbs. 16.5" Pressure – 70-90 PSI Consumption – 70-80 SCFM</p>

Replacement Parts:

We offer the following parts for your acoustic cleaner needs including parts for other manufacturers:

- Sound generators
- Diaphragm kits
- Replacement bell sections
- Accessory items such as ball valves, hoses, and solenoid valves.
- Mounting hardware

Not sure what you need? Let us come and review your system with you, we will work together to develop a maintenance program specific to your needs.



Service and Repair:

We can inspect and repair sound generators and diaphragms to keep your system operating at peak condition while saving you money.

We offer replacement parts for all the major acoustic cleaner brands including AH-Series and D-Series horns.

