

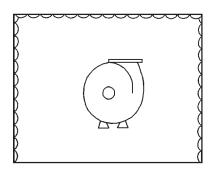
Acoustical Surfaces, Inc.

Soundproofing, Acoustics, Noise & Vibration Control Specialists

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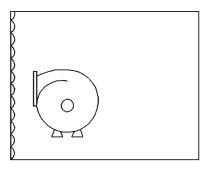
We Identify and S.T.O.P. Your Noise Problems



4 WAYS TO QUIET A NOISY MACHINE

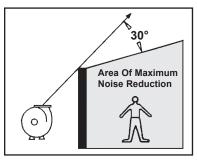
1. Treat the Room

- Maximum noise reduction: 6-9 decibels (30-40% decrease in loudness).
- Advantages: No inconvenience to workers.
- Disadvantages: Almost all of the room must be treated regardless of the size of the noise source.
- "QFA" Quilted Fiberglass Sound Absorption Products...or Polywrap Baffles or Sanitary Baffles, depending upon specifics of application.



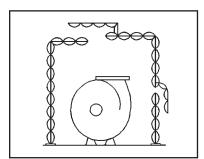
2. Treat the Wall Behind the Noise

- *Maximum noise reduction:* 1-2 decibels if noise source sprays noise out into room, 4-6 decibels if noise is sprayed directly onto wall (such as noisy vent on the back of a machine).
- Advantages: No inconvenience to workers.
- **How much QFA?** Treat the wall behind the machine with about twice the square footage of the "shadow" of the machine on the wall.



3. Build a Barrier or Partial Enclosure

- Maximum noise reduction: 6-15 decibels.
- Advantages: Very good noise reduction.
- Concerns: May have to incorporate view windows for visibility and/or sliding panels for access.
- What Size? At a minimum, 8' high. Typically they should be double the height of the noise source.
- "BSC" or "BBC" sound absorption/noise barrier composites.



4. Build a Complete Enclosure

- Noise reduction: Up to 20-30 decibels.
- Advantages: maximum noise reduction.
- Concerns: May have to incorporate view windows for visibility and/or sliding panels for access as well as ventilation baffle(s) for air flow.
- "BSC" or "BBC" sound absorption/noise barrier composites.