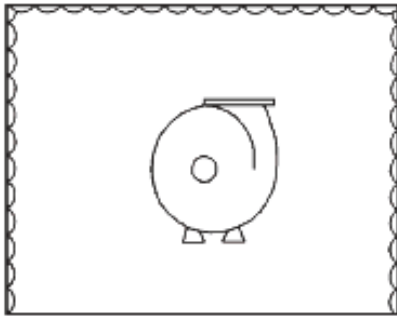


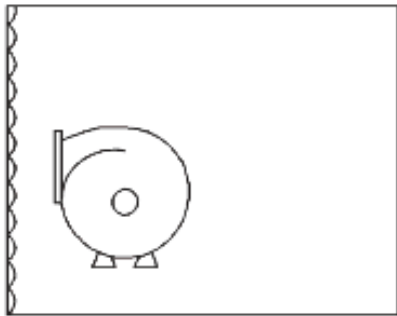


4 Ways to Quiet a NOISY MACHINE



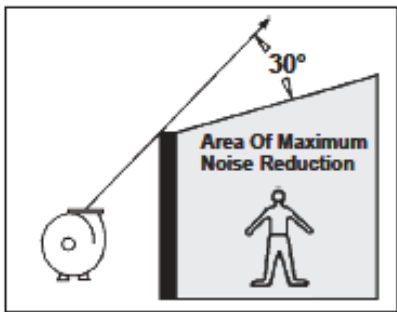
1. TREAT THE ROOM

- **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, Polywrap Baffles or Sanitary Baffles, depending upon specifics of application.



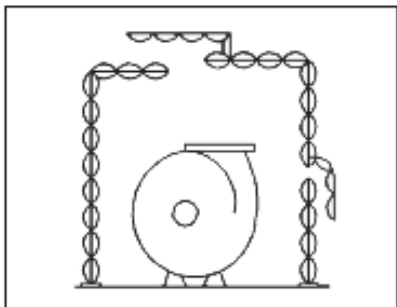
2. TREAT THE WALL BEHIND THE NOISE

- **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

- **Maximum 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.