



3 Tips for Mechanical Room Design

Dental practices rely on consistent air and suction. Consistent air and suction rely on healthy equipment. And healthy equipment relies on its environment.

Help protect productivity and prevent practice downtime with a mechanical room designed for peak performance.

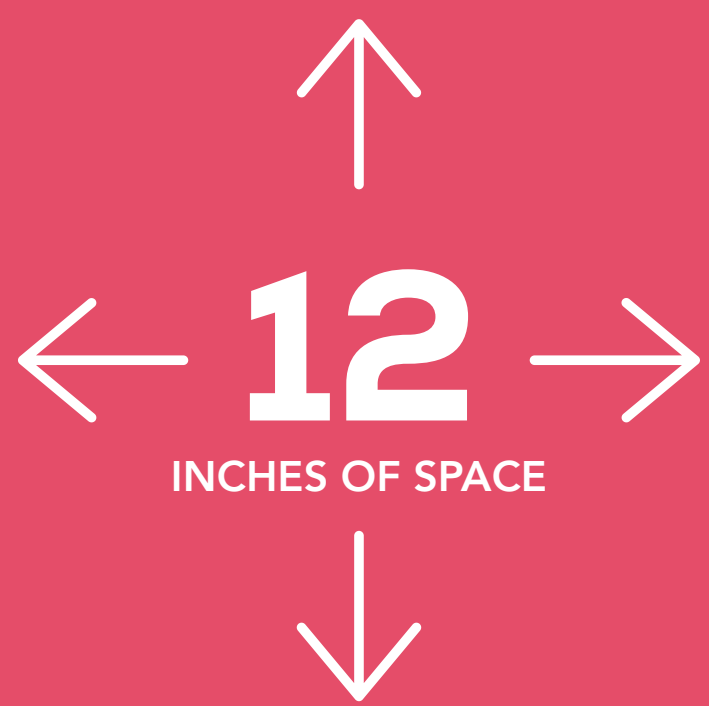
1. Give Equipment Breathing Room

Best practices recommend positioning mechanical room equipment at least 12 inches apart and 12 inches from each wall.*

Why? Proper spacing is key to support:

- Easier technician access during installation, maintenance and repairs
- Sufficient airflow for better ventilation and longer equipment life

*Always refer to your equipment's specific clearance requirements.



2. Control Temperature + Humidity

Keep air compressors and vacuums in a temperature-controlled environment with steady airflow, using supplemental cooling if the space is enclosed or heavily loaded.

Why? Mechanicals naturally release heat during operation, but excessive heat and humidity can:

- Reduce efficiency
- Cause premature wear
- Shorten the equipment's lifespan



3. Reduce Excess Noise

Consider soundproofing the mechanical room.

Why? Mechanicals can produce noise on a spectrum—from a low background hum to levels loud enough to disrupt conversation, interrupt focus and disturb patient comfort.

Set your practice up for success. Midmark design experts are ready to help you plan everything from proper room dimensions to equipment sizing and plumbing layout.

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