DISCOVER OUR Whys



Why We Perform a Room-by-Room Heat Loss and Heat Gain Analysis

When installing new HVAC equipment, proper sizing is critical for comfort and efficiency. Bigger is not better—and going off the size of your old unit is not the right approach.

• A system that's too large for your home won't run long enough to reach peak efficiency or properly dehumidify your space. This leads to short cycling, higher utility bills, and uneven temperatures.



- A room-by-room analysis allows us to calculate the actual heating and cooling needs for each area of your home.
- We use Manual J or equivalent tools to take into account climate, square footage, insulation, windows, design, and orientation ensuring your system is custom-fit for your home's needs.

"To be sure of correct sizing, choose a contractor who agrees to take the time to calculate heating needs using an industry standard calculation."

- CONSUMER REPORTS

"Don't assume that the size of your new system will be the same as your old equipment. Changes, such as additions or insulation improvements, may have been made to the house... or the equipment may have been too large from the start."

- EPA ENERGY STAR GUIDE

Why We Use Digital Gauges During Installations

Proper refrigerant charge is critical to system efficiency and longevity. Even a small error in charging can have a big impact:

- A **20% undercharge** can lead to a **21% drop in SEER** (Seasonal Energy Efficiency Ratio).
- A **20% overcharge** can reduce SEER by **11%**

That's why Progressive uses **digital manifold gauges** instead of outdated analog tools. This ensures precise charging and verification of performance, allowing your system to run exactly as it was engineered to.

"Improperly charging of air conditioning units will reduce their efficiency performance."

- TEXAS A&M UNIVERSITY, HVAC PERFORMANCE STUDY

Why We Use Nitrogen During the Brazing Process

Using nitrogen helps keep the inside of refrigerant lines clean by preventing oxidation—a chemical reaction that can create buildup over time. That buildup can restrict refrigerant flow and impact long-term system performance. By using nitrogen, we're protecting your investment and setting your system up for peak efficiency from day one.



"It is good practice to purge an inert gas such as oxygen-free nitrogen to prevent oxides (scale) forming on the inside of the pipe."

- EPA: DESIGNING OUT LEAKS





It's Always Comfort O'Clock At Progressive Heating, Air and Plumbing

SCHEDULE TODAY!

