

“THE DUCT-FREE ZONE”

By Gerry Wagner, Vice President HVAC Technical Training
Tradewinds Climate Systems



I am a professional.

I looked up the definition of professional in my old, paperback Webster's Dictionary and it says the following...

Professional: noun. (1): An occupation requiring advanced study and specialized training. adjective. (1): characterized by or conforming to the technical or ethical standards of a profession (2): exhibiting a courteous, conscientious, and generally business-like manner in the workplace

My grandparents, actually most of the general population of the United States circa 1900, had a very specific definition of a professional.

Let me explain...

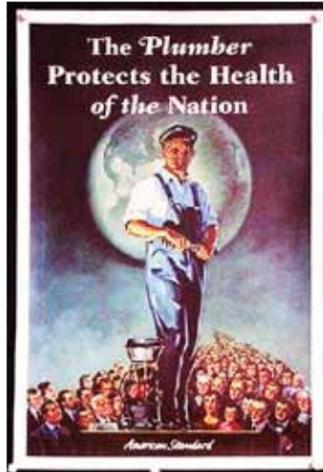
When Edward McDarby came to the United States from County Kildare, Ireland on the ship Arabic and his soon to be wife, Helen McCarthy on the ship Kaiser Wilhelm II in 1909 and 1910 respectively, they had big dreams not only for themselves, but for the family they were about to create.

As their family grew, eventually to eight children, they saw those in their community who held the highest stature and wanted that for their children. My grandparents told my mother, my aunts and uncles, that they wanted them to become “professionals.”

What did that mean in the early 1900's? It meant a lawyer, a judge, a doctor...and a pipefitter...yes, a tradesman was held in that regard. A pipefitter at that time encompassed many trades...plumbing, heating, air conditioning...the latter of which was still in its infancy.

Proof of this cannot be better exemplified than in a poster created for an ad campaign for the American Standard Company back in 1924.

This was NO joke...the tradesman literally on a pedestal, the thankful and reverent public below.



We must not forget that the trades, OUR trade, built this country...this is NOT an overstatement but rather a reality. The health of this nation was / is protected by the plumber... if you doubt that just look at under developed countries today ravaged with disease because of little to no sanitation and clean drinking water.

Central heating and eventually, cooling systems as well as ventilation systems not only brought comfort to the lives of the general population, but provided healthy living and working environments that staved off bacteria and airborne contaminants.

The DNA of our trade...our DNA...is rooted in the development of the GREATEST nation in the world...the United States of America!

We are professionals. We deserve to be treated like professionals. We deserve to earn professional wages.

There is responsibility that comes with this...if we want to be seen and treated as professionals we must act like professionals. I make this statement in

every mini split class I conduct. I weave this mission of mine into the discussion of proper equipment sizing. A “professional job” starts with proper sizing...a proper ACCA Manual J calculation.

I have a friend who can help you with that...

Tracy Savoy of Savoy Engineering Group in Heber City, UT offers ACCA Manual J load calculations for mini split applications for a VERY reasonable price with Express 5-Day and Standard 10-Day turnaround! Tracy can do load calculations for one room or an entire house.

Look, I don't look forward to doing load calculations...they require a number of attributes of which I am lacking, not the least of which is mathematical skills and patience!

You can go to Tracy's website at www.load-calculations.com and learn all about the services she offers. I have known Tracy since 2005 and I can tell you her services have saved me from the horrors of ill sized equipment debacles for which there is no band-aid...you mis-size the equipment and that's a mistake that will haunt you, and your customer for a long time!

You can call Tracy direct at 801-949-5337.

Look, being a professional doesn't have to mean you know all the answers...it can simply mean you know where to get the answers and utilize other professionals, like Tracy to make sure you are offering your customers the very best you, and this wonderful industry of ours has to offer.

ABOUT THE AUTHOR: Gerry Wagner is the Vice President of HVAC Technical Training for Tradewinds Climate Systems. He has 38 years in the HVACR industry working in manufacturing, contracting and now training. You can contact Gerry by email: gwagner@twclimate.com and also please visit our website: www.twclimate.com

GREE Unveils its Ultra Heat Multi Zone Product Launch at AHR Expo



GREE held a press conference at the AHR EXPO in Atlanta to unveil their new Ultra Heat Multi Zone product

January 18, 2018 – Atlanta, GA – When it comes to revolutionizing residential and commercial air conditioning, GREE is the worldwide market leader. GREE unveiled the Ultra Heat Multi-zone product line at AHR Expo, the world's largest HVACR event, and it was a huge success. The Show, which took place at the Georgia World Congress Center January 14 – 16, 2019, attracted the most comprehensive gathering of 60,000 HVACR industry professionals from around the globe. Each year it brings together manufacturers, distributors and contractors of all sizes and specialties to share ideas and showcase the future of HVACR technology. It was the perfect opportunity - and venue - to showcase the new Ultra Heat Multi-zone product line.

“We are so proud of The Ultra Heat Multi-zone and its innovative technology,” said Fernando Xie, Gree President Assistant. “We designed The Ultra Heat to stabilize the heat and air conditioning it produces, and to produce it more efficiently. Gree's intention for this technology is to be used in large scale

buildings such as hotels and sports arenas and on a small-scale level like homes and small businesses.”

The Triple-cylinder Two-stage Rotary Compressor Technology is what guides the super-efficient heating element and pretty much solves inadequate heating and cooling issues due to environmental and mechanical interference.

It's easy to adjust the temperature on an air conditioner or heater, but the heat must be produced and distributed through the system properly for superior efficiency and accuracy. That's where the triple-cylinder two-stage rotary compressor technology comes into play and is huge for areas of our country that sustain severe cold weather.

To help explain how the mechanism works, below are a few highlights:

- The system is composed of an outdoor unit and several indoor units which work together to regulate heat and cool air.
- The outdoor unit utilizes DC inverter technology and an electronic expansion valve

helps to control the amount of refrigerant circulating in the compressor which in turn helps to control the flow rate that enters into each heat/cool exchanger in the room.

- Those two mechanisms make it possible for the HVAC to meet the cooling and heating load demand in the room and make indoor temperature control more accurate.
- The results are a more comfortable heat/cool with low noise and little to no need to adjust the controls.
- Because the pumps and controls in the Ultra Heat Multi-zone are so effective, benefits include low standby energy consumption, energy-savings, and eco-friendly technology.

In 2018, GREE won its first official contract for the Ultra Heat Multi-zone product line, with the American Wyndham Hotel in Buffalo, New York. The new product line promises new opportunities and expansion for Gree worldwide. For more information visit GreeComfort.com.