



*Superior Service...Solid Solutions!*  
*Your Full Service HVAC and Refrigeration Distributor*

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## Environmental Sustainability Programs



### What is Sustainability & What Does It Mean To You ?

Business sustainability means operating in such a way that it causes minimal harm to all living creatures. It means conducting business in such a manner that it does not deplete our environment but rather enriches it. It reinforces everyone working together for the common good. Companies can still be successful while recognizing and supporting the economic and non economic aspirations of all people both inside and outside the company for which everyone depends.

The only way to succeed in today's interdependent world is to embrace sustainability. It requires companies to identify a wide range of stakeholders to whom the company may be accountable. In the long run, this will create a more social, economic and environmental success for everyone. We thank you in advance for supporting our future American Environmental Sustainability Programs.

Be sure to read the article concerning our American Forestry program that will be coming soon.

### Advance Dealer Info! Get Onboard! Sign Up Today!

Want info fast and be one of the first to know what's new at Baker Distributing?

We will not be sending you loads of emails — we know your time is valuable — we will only send you pertinent information:

*New Product Info, Specials, Training Events and more!*

Send your email address, contact name, title, and company name to:

[ccarnicelli@bakerdist.com](mailto:ccarnicelli@bakerdist.com)

Be assured that Baker Distributing will protect your privacy. Emails will not be sold or shared outside of the company.



### Service Center Weekly Wow!

Stop in or call your local Baker Service Center to find out the weekly special!

They change weekly. Stop in regularly while supplies last!



### Recycle The Right Way With Baker Distributing Company



Baker Distributing Company Plans To Roll Out A Program To Help Make The Disposal Of Your Scrap Metals Virtually Hassle Free!

Our Goal Is To Environmentally And Correctly Recycle All Items That You Bring To Us.

We Are A Proud Sponsor Of American Forests. With This Partnership, We Plan To Plant A Tree In An American Forest Near Your Home For Each Old Air Conditioner That You Bring To Us For Recycling.



We Look Forward To Finalizing This Program & Implementing It At A Baker Distributing Service Center Near You.

## twitter



Baker Distributing is Tweeting!  
 Follow us to get all the latest news each week

[www.twitter.com/BakerDist](http://www.twitter.com/BakerDist)

Place your orders on the Baker website at [www.bakerdist.com](http://www.bakerdist.com)

**Tax Credit  
Up To \$1500**

As announced on February 17, 2009, President Obama signed into law H.R. 1, the American Recovery and Reinvestment Act of 2009 (version 8).

The U.S. Internal Revenue Service (IRS) is now providing up to a \$1,500 tax credit on extra-high efficiency heating and cooling equipment.

Tax credits are only for equipment purchased between January 1, 2009 and December 31\*, 2010.

To learn more about possible tax savings on these purchases and qualifying equipment, the Hardi website is a good resource where you'll find more details:

[www.hardinet.org](http://www.hardinet.org)

\*Note: 12/21 date noted last month was in error.



**GRANDAIRE**  
Heating & Cooling Products



**Baker Distributing Company**  
Here to serve your HVAC/R needs.



*Tom's Tech Tips: Know Your Charge Method*

Technicians should verify the following prior to modifying system charge (refrigerant):

1. What refrigerant does the system use, i.e. R22 or R410A? (know before attaching gauges)
2. What metering device is used on the Evaporator Coil, i.e. TXV or Piston?
3. Validate proper Airflow (must be completed prior to validating system charge).

**Air Flow Validation Methods:**

$$1) \text{ Delta-T Method: } \text{CFM} = \frac{Q_{\text{Sensible}}}{1.08 * \Delta T}$$

Where:

$$Q_{\text{Sensible}} = \text{Volts} * \text{Amps} * 3.413 \text{ (for Electric Heat) or Heat Output (Gas Furnace)}$$

$$\Delta T = \text{Supply Air Temperature (SAT)} - \text{Return Air Temperature (RAT)}$$

2) ESP Method: Measure External Static Pressure (ESP) and reference to OEM Blower Table.

**Charging Methods:**

Note: The type of metering device dictates charging method, not the refrigerant used.

- If using a **TXV metering** device always charge system using the Sub-Cooling Method:

$$\text{Subcooling (SC)} = T_{\text{Saturated}} - T_{\text{Actual}}$$

Where:

$$T_{\text{Saturated}} = \text{Corresponding "Refrigerant Saturation Temperature" at a given Head Pressure}$$

$$T_{\text{Actual}} = \text{Actual "Liquid Line Temperature"}$$

- If using a **Piston metering** device always charge system using the Superheat Method:

$$\text{Superheat (SH)} = T_{\text{Actual}} - T_{\text{Saturated}}$$

Where:

$$T_{\text{Saturated}} = \text{Corresponding "Refrigerant Saturation Temperature" at a given Suction Pressure}$$

$$T_{\text{Actual}} = \text{Actual "Suction Line Temperature"}$$

Note: When validating proper operation of the refrigerant side of system, both the SC and SH should be obtained.

- TXV system: SC will define proper charge; while SH can validate proper modulating of TXV.

- Piston System: SH will define proper charge; however SC can be an indicator of potential issues.

**GREEN LIGHT BONUS REWARDS**

**Receive 4 Reward Points per every \$5 Purchased** from any or all of the qualifying products listed below:

**February 1–February 28, 2010**

**\* Owens Corning \* Supco \* Heatcraft \* Nu-Calgon**

Registered Participants Only.  
See your nearest service center for details.

**BESTECH™**

The BesTech Refrigerant Reclaim Program is currently in process. Details are available at your local Service Center.

[www.BesTechParts.com](http://www.BesTechParts.com)

**AT YOUR SERVICE 24/7**  
After Hours Emergency  
Hotline: 1-800-217-4698