



COMMERCIAL CODE CHANGE EXPECTED

Jeff Oleniczak

This June the Wisconsin Department of Commerce has adopted the 2009 ICC suite of codes which is expected to take effect on September 1, 2011. The code will replace the 2006 version currently in use. A short summary of changes related to HVAC in the 2009 code versus the 2006 is as follows:

1. Require shutoff controls for snow/ice melting systems serving residential occupancies; IECC section 403.8.
2. Specifying the heating of outside spaces to be radiant type and provided with efficiency controls; IECC section 503.2.11.
3. Revising the mechanical ventilation table to provide more detailed occupancy classifications that reflect ASHRE standard 62 - Ventilation for Acceptable Indoor Air Quality; IMC table 403.3.
4. Requiring that make-up air be provided for domestic kitchen exhaust hoods with capacities of greater than 400cfm be tied into the operation of the hood; IMC section 505.2.
5. Eliminating details on combustion air from within the IMC by deferring to NFPA stand 31 for oil-fired appliances and the manufacturers' recommendations for solid-fuel fired appliances.
6. Expanding the provisions for the piping of hydronic heating systems to reflect new materials and stands; IMC chapter 12.
7. Requiring thermal insulation below radiant floor heating systems; IMC sections 1209.5 to 1209.5.4.
8. Requiring gas clothes dryer exhaust ducts to be protected from penetration by nails/screws; IFGC section 614.6.3.

This is just a short summary and does not reflect all the changes that are coming.

If you have any questions, please contact our engineering department for details involving your specific project. Please keep in mind that these changes are on the horizon for quotes you are preparing that may start after the September 1, 2011 change.

BUDERUS BOILER IN-BOARD PLAN

Sandy Burns

BUDERUS CONDENSING BOILER IN-BOARD PROTECTION PLAN

Buderus has added an optional 10-year parts and labor protection plan for the condensing boilers. If you register the boiler online for the no-charge 5-year parts and labor coverage, you can then purchase an extended 10-year plan for only \$159.00. The extended warranty plans are available through Cornerstone. Call 800.824.5090 for more information or to purchase the plans.

The Buderus GB142 & GB162 units can be registered at www.buderus.us or www.boschway2grow.com for the no-charge 5-year parts and labor coverage.

MONROE REKLAIM PROGRAM COMING SOON

Larry Bellman

Monroe Equipment is happy to announce our partnership with ReKlaim coming soon.

Due to regulatory mandates and the HCFC production cut-backs, HVACR contractors and technicians need a convenient place to dispose of used and unwanted refrigerants in a safe and environmentally responsible manner.



In response, Monroe Equipment is offering ReKlaim, a trademarked program that takes a simple, systematic approach to help expand your business. The ReKlaim program is a comprehensive refrigerant reclamation service and is an easy resource for returning your used refrigerant gases and managing cylinder assets.

As a ReKlaim Collection Center, Monroe will offer free Monroe truck pick-up on all return cylinders, including all shipping tags, documents and labels, the use of certified DOT approved cylinders on an exchange basis and personalized service throughout the process. We coordinate all logistics to make this a simple and efficient process.

Complete details about this new service will be coming soon. If you have any questions about the program before then, please give me a call.



THE VALUE OF AN *EXCLUSIVE* DEALERSHIP

Mat Schneider

Some people smoke, some drink, some gamble. My dirty secret is I am a news junkie. I have news websites linked to my phone so that I can get the latest updates. TV's in my home are almost always playing a cable news network. I am even installing a flat panel in my garage so that I can stay connected. I have noticed that the White House press staff has made it clear that they want everyone to know that the Auto Bailouts have been a huge success.

I think I can speak for all of us that our economy needs a success story right now and I hope that ultimately this program is a success, but what about those dealerships that needed to be sacrificed. If you remember, GM and Chrysler pulled their vehicles from hundreds of dealerships in the name of austerity. Most of these dealerships ended up closing their doors as a result. Do you ever ask yourself why? GM and Chrysler vehicles are not inexpensive, they are not the most reliable and they don't get the best gas mileage yet those dealerships were so strongly tied to their individual brand that they went out of business due to the changes. My personal opinion is that it had a lot to do with the consumer's image of GM and Chrysler being a strong American made product combined with the relative "Exclusiveness" of these dealerships to their individual community. I empathize with these business people, because I too am irrevocably attached to a brand.

With all of this thought on dealerships, I decided to do some research of my own with regards to HVAC dealerships in our marketplace. I reviewed and compared the number and density of dealerships of some of our competitors to the number and density of our *Exclusive* Armstrong Air Dealers and I was surprised by the results. According to the unscientific method of the dealer locator function on their websites, the State of Wisconsin is home to 116 Lennox, 119 Carrier, 133 Bryant and 170 (registered) Goodman Dealerships. Compare the number and density of these dealerships to the current 68 *Exclusive* Armstrong Air Dealerships and ask yourself whose dealerships provide more value. Combine this *Exclusiveness* with the fact that Armstrong Air products are manufactured in Orangeburg, South Carolina and Marshalltown, Iowa and the security that their furnace platform is centered around a rock solid, stainless steel, primary and secondary heat exchanger, I would say our dealerships are Cadillac Quality!

PROPER REFRIGERATION LINE SET SIZING

Ken Jung

I have a 3 ton unit to install - the line set will be 15' over, 12' up, another 20' horizontal and then 3' down; hmmm, a 3/8" x 3/4" line size should do it!?! Will it? What about using the same size line set as the service valve size?

Although most manufacturers provide line set size charts in the installation manuals, it is impossible to account for every situation encountered in the field. Pressure drops and velocities should be considered for all line set applications. Any line set application that exceeds 50' in total equivalent length should be discussed with engineering/technical support.

Taken directly from an installation manual, "Select line set diameters from the table to ensure that oil returns to the compressor. Size the vertical suction riser to maintain minimum velocity at minimum capacity loss. Recommended line length is 50' or less." Although the table shows diameters for line sets up to 100', vertical lift applications and trapping requirements need to be reviewed.

Don't get caught using the same size copper diameter as the service valve fittings. Here again, just because it is provided by the manufacturer, it doesn't mean that they can account for every installation or application. While there is a reasonable chance that the service valves and line size will be the same, the only thing the manufacturer is guarantying is that the valve is sized properly for the equipment it is installed in. It is very likely that a 1/2" liquid line or 7/8" suction line might be needed, even if the service valve sizes are 3/8" x 3/4".

Improper line sizing, especially on the suction line can be a leading cause of compressor failures. The fact is, if the suction line is improperly sized or improperly installed, the compressor will overheat and fail. Without the proper flow of cool suction gas to cool the motor windings or the velocity to bring oil back to the compressor to lubricate the moving parts, it is only a matter of time before the compressor self destructs.

If you are unsure or have questions, give us a call. We will be glad to help you with the sizing and application of your air conditioning line set.

AIRFLOW DYNAMICS - Duct/Piping Sizing and Design

October 12, 2011 at Monroe Equipment

Presented by Jim Mayer of Champion Pipe

This program is loaded with information. We will cover air flow measurement, sensible heat formula & CFM calculations, heat gain/heat loss dynamics, residential design & furnace sizing, duct sizing theory & velocity requirements, duct calculator usage, supply & return system design, filter sizing, flex duct calculations and good installation practices. This program is intense and is a MUST for every installer and service technician.

Program will be held at Monroe Equipment, Inc. from 1:00 - 5:00 p.m. Cost is \$45 per person. Advanced registration is required. Please register online at www.monroeequipment.com or at 262-432-3251.

PLEASE REMEMBER TO REGISTER EARLY. OUR SPRING AIRFLOW DYNAMICS CLASS FILLED UP QUICKLY!

ALLIED WARRANTY PROCEDURES SIMPLIFIED

Sandy Burns

Listed below are the procedures for filing claims through the three different programs that are still in effect for Allied Air extended warranty. If you have a model and serial number of a unit, I can direct you to which company to file your claim with. Feel free to contact me with any questions or if you need claim forms. My direct line is 262.432.3245 or email sburns@monroeequipment.com.

If you need your mood lifted, you can always contact me through our regular numbers. Donna is there to answer and is always in a good mood!

ALLIED AIR EXTENDED WARRANTY CLAIM PROCEDURES

PREMIUM CARE

Effective for qualifying units installed prior to September 2003

- All Premium Care agreements have a 5-digit contract number
- Complete **PREMIUM CARE** service claim form and fax or email to:

Service Net fax: 866.244.0156
hvacclaims@servicenet.com

- The claims are filed with Service Net and are then sent on to Allied Air for payment.

PREMIUM CARE PLUS

Effective for qualifying units installed October 2003 - December 2009

- **ALL CLAIMS MUST HAVE PRIOR APPROVAL FROM ASSURANT/FEDERAL WARRANTY PRIOR TO ANY WORK BEING DONE**
- All Premium Care Plus agreements have a 7-digit contract number
- You must contact Assurant/Federal Warranty to check units for warranty status
- You will need a model and serial number in order to check coverage
- Please contact them at 800.235.5121 with any questions in regards to filing warranty claims
- **A prior approval number is mandatory**

PREMIUM CARE PLUS

Effective January 1, 2010 handled by Service Net

- Complete **PREMIUM CARE PLUS** claim form and fax, email or mail to:

Service Net Fax 866.244.0156
Service Net Phone 888.257.0913
hvacclaims@servicenet.com
ATTN: HVAC Claims
650 Missouri Avenue
Jeffersonville, IN 47130

MONROE WEBSITE

Lynn Beine

After several months of upgrades, all of our pricing for our major products, supplies and accessories is available online.

If you were a registered user of our old website, you can access the new site with the same user name and password. If you are new to www.monroeequipment.com, simply click the **"NOT REGISTERED? CLICK HERE."** link in the upper right corner to register.

You can also find past issues of *The Monroe Igniter* on our new website.

Let us know what you think!



CUSTOMER APPRECIATION DAYS

Watch your email for details about our Customer Appreciation Days coming soon!

Up Coming Events

JULY 2 & 4

Monroe Equipment **CLOSED** for Independence Day

SEPTEMBER 3 & 5

Monroe Equipment **CLOSED** for Labor Day

SEPTEMBER 7

Heating Review Class at MEI 1-5 p.m.

SEPTEMBER 14

Armstrong Air Modulating Class at MEI 1-5 p.m.

SEPTEMBER 21

Evaluating System Performance Class at MEI 1-5 p.m.

SEPTEMBER 28

Basic Electric & Metering Usage Class at MEI 1-5 p.m.

The Monroe Igniter is a quarterly publication created exclusively for customers of Monroe Equipment, Inc.



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