



**Stromquist
& Company**

Boiling

Point



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Peerless Boilers

Stromquist has always been known for the customers and the controls we keep. In this issue we are going to discuss the IRON side of Stromquist. For many years Stromquist has been selling the Peerless line of cast iron boilers, and we thought it would be good to get you up to speed on this product line.

Recently David Cates and I had the opportunity to visit the Peerless boiler offices in the quaint little town of Boyertown, PA, located about seventy-five miles northwest of Philadelphia. Peerless invited Stromquist and other representatives from around the country for the introduction of the new PureFire Boiler. Escaping from the heat and humidity of the South to the cooler regions of the country and learning about new products are always appealing...but I digress.

Peerless manufactures a line of cast iron boilers from 18,000 BTU input to over 6,000,000 BTU input. The lineup of boilers includes hot water boilers up to 80 pound design to 15 PSI steam design and are available for LP, natural gas and oil. They also offer a full range of controls from standing pilot to modulating systems, and approvals such as CSD, IRI and FM are available. Peerless boilers can be shipped built or knocked down (some assembly required), helping in the versatility of this full featured boiler line. Lack of space in this format prevents the discussion of all the boilers Peerless has to offer, so I will give you some examples.

Hydronic Heating

A hydronic heating system is both practical and efficient. It is also quite versatile, allowing to heat the home with conventional radiators or baseboards, as well as providing the ability to add other unique heating options to the system,

More Peerless Domestic Boilers

including indirect fired water heaters to fulfill domestic water heating needs. Other hydronic options include:

- radiant systems (floor heating, radiant panels, towel warming racks, etc.)
- snow-melting applications (not many of these here in the south)
- tankless coils
- hydronic coils for enhancing the efficiency of electric heat-pump applications

Another extremely beneficial aspect of hydronic systems is the ability to divide a home into heating *zones*. This allows you to control the heat in each of these zones with separate thermostats – a great benefit when heating multiple story homes.

Peerless Pinnacle

The Peerless Pinnacle® gas-fired boiler is available for either natural or LP gas and is offered in six sizes. High-grade stainless steel construction assures the boiler's durability, and the new metal mesh burner elements improve turndown and reduce emissions. The compact, lightweight design of the boiler allows for maximum installation flexibility. Features such as a fully modulating burner, spark ignition, safety relief valve, and the Gas Valve - Venturi System ensure safe, efficient operation. Two Pinnacle models are available as wall-mounted units. A third model - the PI-399 - offers 95% combustion efficiency in a commercial-size boiler (please reference the Pinnacle PI-399 at www.peerlessheater.com for additional information). The Pinnacle boiler is as quiet as most home appliances, and as with all Peerless products, is backed by a comprehensive warranty and the dependable Peerless name.



All Peerless Pinnacle gas boilers are equipped with a P825 Control Board that offers state-of-the-art technology, including outdoor reset control with an additional outdoor temperature sensor. The P825 also has built-in technology for domestic hot water priority when an optional indirect tank sensor is added. With this feature, the temperature setpoint and differential temperature of the domestic hot water can be regulated through the boiler control. The P825 control board's LED digital display module lets users view supply and return temperatures, flame signal and fan speed (firing rate) for enhanced boiler serviceability. A switch to "service mode" enables contractors to manually control the firing rate. An optional interface module allows for modulating sequencing of multiple boilers and the capability of interfacing with building energy management systems. Also available for the P825 is PC software to display boiler status and fault history.



Series MI Residential Boiler

The improved **Series MI** residential cast iron, hot water boiler is fully packaged and ready to install. This atmospheric, gas-fired boiler is designed for natural draft use with a conventional chimney. The Series MI boiler is available with either standing pilot or intermittent ignition and is available as natural or LP gas. The integral draft diverter provides a low-profile design, allowing the boiler to be installed in areas with low clearance. Standard Honeywell controls are easily accessible, making the Series MI boiler simple to install and service. Standard equipment includes a Taco circulator, a flame rollout safety shutoff switch and a vent safety shutoff switch.



Series 211A Commercial Atmospheric Boiler

The versatility, reliability and simplicity of the Peerless Series 211A make it a viable alternative to the forced draft boilers. It's easier to install, easier to start up and easier to service -- all with fewer moving parts.

- Cast Iron, packaged assembled block (to 19 sections only) or individual sections
- Gas-Fired (Natural or LP)
- Input: 630 to 9,450 MBH
- Output: 504 to 7,560 MBH
- Natural draft venting
- Steam or hot water
- Standing pilot or spark ignition

Boiler efficiencies are compliant with federal and ASHRAE 90.1 requirements. Optional Mod-U-Pak unique three-stage firing system provides improved boiler response and fuel economy. The built-in horizontal to vertical draft hood and aluminized steel flue collector provide a low boiler profile to allow installation in areas with low head room. The unique finned, tubular sections are spaced evenly using spacing rings which allow the sections to maintain their as-cast skin, providing maximum corrosion resistance and longer life.

The Peerless Flow Port flexible seals assure a water-tight fit while providing faster boiler assembly and allow the sections to expand and contract independently. The exclusive Peerless access design from both ends allows easy accessibility to the flueways for inspection and cleaning without removing the entire jacket. Also, optional tankless coils can be used to assure adequate domestic hot water production on water boilers only.





New PureFire Boiler

And now the reason for our visit to Peerless...the PureFire Boiler. This boiler will be released before the end of 2008. Keep looking here for updates.

The PureFire is a high efficiency, gas fired condensing boiler, direct vented with a sealed combustion chamber.

- Four sizes available up to 140 MBH, **96% AFUE efficiency rating**, natural or LP gas
- Fully modulating burner, dual flame sensing, uses schedule 40 PVC for venting
- Outdoor reset and domestic hot water priority
- LCD status display features Plain English
- Energy Saving Heat Recovery Function
- Standby temperature controlled by Economic Low Fire Operation