

Ryan's Monthly

Ryan Company, Inc. Newsletter - March 2015

BOILERS * WATER HEATERS * BURNERS * CHIMNEYS * ACCESSORIES

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March, 2015

Quick Links

- [Lochinvar website](#)
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- [Burnham website](#)
- [Shipco website](#)
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- [Schebler website](#)
- [Power Flame website](#)



Upcoming Dates to Remember

March 8th - Daylight Savings Time

March 17th - St. Patrick's Day

March 19th - March 22nd - First weekend NCAA Basketball Tourney

Featured Job of the Month: Minnesota State College Southeast Technical College



Located in Red Wing, Minnesota
 Mechanical Engineer: Dolejs Associates Inc.
 Mechanical Contractor: Ryan Mechanical
 Equipment:
 -(2) Aldrich Horizontal Fire Tube Steam Boilers - Model A3S-4040-GO
 -Dual Fuel Power Flame Burner: Natural Gas and Fuel Oil #2
 -(1) Shipco Blowdown Separator
 -Each Boiler is 4865 MBH input.
 -Fulton ModSync Sequencing Controller- steam package

This project was designed to replace the 2 existing gas/oil steam boilers with new gas/oil low-pressure steam boilers. The old boilers were oversized and the new were sized for what the current heating-load calculation is. This creates a more efficient heating plant and creates more energy and cost savings for the building. The boilers selected for this project were chosen in part because they have features that will allow a relatively easy conversion to a hot water heating system which we suspect will take place at some point down the road.

We also incorporated a ModSync to control the system and monitor certain temperatures so we able to obtain the best efficiencies as possible. Some items that were monitored and/or controlled by the ModSync were as follows:

Fun Fact

On St. Patrick's Day Chicago has a spectacle all its own. The city has been celebrating Saint Patrick by dumping green dye into the Chicago River since 1962. **It takes 40 tons of dye to get the river to a suitably festive shade!**

Trivia Question

What is the turndown on a Vantage boiler?

First 5 correct answers will receive a prize? Please include address with your emailed answer.

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Contact Matt to set-up your lunch and learn now.

matt@ryancompanyinc.com



More information

Visit our website for more information on any of our products. [Ryan Company website](#)





- Boiler water temperature X2
- Boiler water conductivity X2
- Outdoor air temperature
- Steam Header Pressure
- Draft Control Status X2
- Feedwater temperature
- Feedwater Alarm
- Feedwater meter



Lochinvar's Newest Crest Input Sizes:

Crest now available in input sizes of:

- 750,000 BTU/HR
- 1 Million BTU/HR
- 1.25 Millions BTU/HR

RIDE THE LOCHINVAR WAVE™ TO 96.2%

EFFICIENCY With the exclusive Wave fire-tube design, advancements in Lochinvar combustion technology and the SMART TOUCH control, CREST changed how the industry thinks about fire-tube boilers. Now, three new CREST boilers, with 750,000, 1.0 million and 1.25 million Btu/hr inputs, deliver 96.2% thermal efficiency.

The system is designed to ensure smooth, quiet modulating combustion from as low as 5% of maximum firing rate up to 100% as heating load increases. And in multi-boiler applications, modulation is an essential element in cascade sequencing, which helps ensure maximum efficiency and long-term reliability



Coming Next Month

- A new way to design your Hydronic systems to help with efficiencies on your condensing boilers.
- A new trivia question to win a prize

Contact Matthew Kiemen with questions or to sign up for anything Ryan related. matt@ryancompanyinc.com





Not receiving your own copy of Ryan's monthly newsletter contact Matthew. email below

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