



# Ryan's Monthly

Ryan Company, Inc. Newsletter - April 2016

BOILERS \* WATER HEATERS \* BURNERS \* CHIMNEYS \* ACCESSORIES

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April, 2016



## Featured Job of the Month: Cedars of Edina



### Upcoming Dates to Remember

**April 1st** - April Fool's Day

**April 15th** - Taxes Due

**April 22nd** - Passover  
Begins at Sundown

### Trivia Question

**List two advantages of High Mass and High Volume boilers?**

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 learns now.**

[matt@ryancompanyinc.com](mailto:matt@ryancompanyinc.com)

**MODSYNC**

Located in Edina, Minnesota  
Mechanical Contractor: Energy Concepts.

Equipment:

- (3) Fulton Vantage VTG6000 Hot Water Boilers
- (1) Aldrich 200BHP Boiler A3SL-5860
- (1) Synex ModSync Boiler Management System
- (3) Fulton Isolation Valves
- (1) Lochinvar Shield SNR126-065 Water Heater
- (3) Power Flame Draft Controls DC-4-MOD-AS-1200

The Fulton Vantage Boiler is an ultra-high efficiency hydronic heating. This high-mass vessel is exceptionally tolerant to a varying and occasionally unpredictable system conditions. Making the Fulton Vantage an ideal boiler for Minnesota's erratic weather. Each Vantage boiler has a 5:1 turndown which equates to a 20% minimum firing rate. The Aldrich A3SL steam boiler was chosen as a backup boiler to boost temperature on our frigid Minnesota days.

We also incorporated a ModSync to control the system and monitor certain temperatures so we able to obtain the best efficiencies as possible. The ModSync has a true PID controller which will allow the boilers to fire at low fire for as long as possible which will create greater energy savings and costs savings. This can create quicker payback on your purchased equipment. We expect to see roughly 20% - 30% savings on a yearly bases with this system in place. Some items that were monitored and/or controlled by the ModSync were as follows:

- Controlling the boiler room temperature
- Aldrich Inlet Temperature
- Hydronic VFD System Pumps Controlling on Delta T (2 System Pumps)
- Aldrich VFD Boiler Pump Control

### Quick Links

[Lochinvar website](#)

[Fulton website](#)

[Bryan Website](#)

[Burnham website](#)

[Skidmore website](#)

[Patterson website](#)

[Security website](#)

[Power Flame website](#)

### Fun Fact

The five most stolen items in a drugstore are batteries, cosmetics, film, sunglasses, and, get this, Preparation H. Apparently people are just too embarrassed to purchase the last item. And, just in case you are curious, one of Preparation H's main ingredient is shark liver oil. The oil not only helps shrink hemorrhoids, but will shrink any tissue. As a result, many older women in Florida use the stuff to help reduce the appearance of wrinkles!

### More information

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

**Lochinvar**

**Fulton**

**BRYAN BOILERS**

**BURNHAM COMMERCIAL**

**security**

**Skidmore**

**Patterson**

**POWER FLAME**



- E-Stops Status
- Annunciation of all boiler alarms
- Remote enable disable capability
- Stack temperature
- Lead/Lag Controls of feedwater and transfer pumps



### 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 job of the month
- A new trivia question to win a prize

Contact Matthew Kiemen with questions or to sign up for anything Ryan related.

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

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