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NEW Products

Bryan Boilers

Bryan has introduced a new High Efficiency hot water boiler with capacities from 23-76 HP.

Their model HECLM is guaranteed to get 85% combustion efficiency, which meets the gas companies rebate requirements. This model also has the same great features as the other Bryan models including but not limited to a 25 year warranty against thermal shock, compact size and single side service access.



Fulton Boiler Works



Fulton is launching a new 3,000,000 BTUH fully condensing hot water boiler with efficiencies up to 99% and modulation with a 5:1 turndown. It fits through standard door openings, has nearly zero standby losses and has no minimum return water temperature. This model is a direct vent/sealed combustion boiler, but it is not a pulse style.

Burnham Commercial

Burnham now has a 4-pass wetback scotch firetube boiler. It can be ordered as either a hot water or steam boiler with a capacity of 100-800 HP. The heat exchanger features 5 sq.ft. per HP with no turbulators and no welded tube ends. The access door is constructed of durable, lightweight vacuum formed ceramic fiber which weighs less than 40 pounds!



Training Courses



Lochinvar Boiler Application School – April 21-23 (<http://www.lochinvar.com/training.asp>)

Topics Covered:	Principles of Combustion Fundamentals of Efficiency Boiler Types Vent Categories Vent Sizing & Applications Pipe & Pump Sizing Boiler System Piping Control Strategies Tour of Lochinvar Manufacturing & Engineering Facilities
Products Covered:	Gas Fired Boilers Vent Materials System Pumps Control Systems
Benefits:	You will learn how to select the correct boiler, vent system, pumps, piping system and control system for boiler applications from experts in their respective industries.
Who Should Attend:	Consulting and Specifying Engineers and Design Build Contractors, or anyone involved in boiler system design.
Tuition:	No Tuition Charge



Fulton Pulse Combustion Service School – May 17-18

(<http://www.ryancompanyinc.com/PDFS/Fulton%20Service%20School2.pdf>)

The Fulton Companies will be holding technical service seminar at their facility in Pulaski, N.Y. The two-day school will combine in-depth classroom instruction as well as hands on training. The seminar is designed for the field service technician as well as the end-user, but is beneficial for new salesmen as well. There is a limit of 15 persons per class. Openings will be filled on a first come first serve basis. The first day of classes will be in the classroom. Topics of discussion will include construction, installation, operation, controls, maintenance and troubleshooting. The second day of classes will be entirely hands-on training consisting of set-up and preventative maintenance. Continental breakfast will be at 8:30 with classes to start at 9:00. All training will last roughly 5 to 7 hours per day.



Gordon Piatt Burner Courses (http://www.johnzink.com/school/html/sch_courses.asp)

Service Seminar for Gordon Piatt Burners – April 26-27, April 29-30, May 3-4, May 6-7

The Gordon-Piatt Burner Service courses are designed for chemical, mechanical, civil, electrical, structural, and environmental engineers; E&C owners and supervisors; operators; maintenance personnel; safety and training directors; and turnaround specialists. The courses include hands-on instruction of the practical operations of Gordon-Piatt boiler burners. Course topics include:

- Combustion basics
- Safety
- Operation
- Maintenance
- Troubleshooting

Boiler Burners – May 18-19

The introductory course studies the theory and practical application of boiler burners. The course is designed for engineers, operators, and maintenance, safety and training personnel working with boilers in commercial, industrial, utility and marine applications around the world. Course topics include:

- Fluid flow
- Heat transfer
- Fuels
- Combustion fundamentals
- Emissions formation
- Boiler fundamentals
- Burner fundamentals
- NFPA 85 code
- Troubleshooting and service
- Burner demonstration

Featured Job

Seagate – Bloomington, MN

When Seagate's Recording Heads division needed to upgrade their boilers, the Ryan Company was eager to help. We replaced one large firetube firebox boiler at 80% efficiency with three PHW2000 natural gas fired Fulton pulse combustion hot water boilers. Each Fulton boiler has an input of 2,000,000 BTU/HR and is equipped with modulation which produces efficiencies up to 98%.

The Fulton boilers are a firetube design utilizing the principles of pulse combustion. Due to the nature of pulse combustion, the boilers are self venting and self aspirating and therefore require no forced or induced draft fan to supply air for combustion after ignition.



During the design phase of the project, we worked directly with Kwong Loke, PE, Seagate Senior Staff Facilities Engineer. "We were very concerned with the sound level and frequency of the boilers, because the boiler room is directly across the hallway from one of our clean rooms", said Mr. Loke. "We thoroughly reviewed the sound power levels and resonating frequencies of the Fulton boilers with Mr. Loke to minimize any possible issues", said John Kelly, Sales Representative for Ryan Company. The model PHW2000 includes, as standard, sound/vibration reduction devices such as flex connectors, mufflers and vibration pads which bring the sound level to less than 72 dBA.

When asked about the sound level and frequencies of the newly installed boilers, Mr. Loke, stated "It's not an issue. We have zero problems". Mr. Loke further indicated that the new Fulton boilers have reduced their fuel costs by more than 28% and predicts the payback will be 28 months. Not only are the new Fulton boilers much more efficient, the modulating capability prevents frequent short cycling (start/stop) of the burner, thereby reducing energy waste and long term maintenance costs due to less wear and tear. Mr. Loke also provided the following comments. "Another nice feature that we like about the Fulton boiler is that there are so few parts involved, and the maintenance and overhaul is minimal. As there is no minimum return water temperature requirement (no boiler thermal shock), we simplified our piping and controls by eliminating the lower temperature mixing loop and control valves. This also allows us to reset the boiler hot water supply temperature in the Summer to a much lower level in order to take advantage of the condensing feature of the boiler for maximizing energy efficiency. We are very satisfied with the Fulton boilers."

The Recording Heads operation, with worldwide manufacturing facilities, is headquartered in Bloomington, and is Seagate's internal and principal supplier of recording heads. The division's leading research and development capabilities continually push the technology envelope - allowing the company to design and develop industry-leading advanced read/write heads for disc drives. Disc drive head technology is one of the most precise, complex, and dynamic technologies in computing, since it is the disc drive head-no larger than a grain of coarse sand-that writes, saves, erases, receives and sends data.



Ryan Company, Inc.
3361 Republic Ave
St. Louis Park, MN 55426
Phone (952) 915-6475
Fax (952) 915-6480
www.ryancompanyinc.com