



Must-know

Not All Dual Fuel Boilers Are Created Equal

Fulton Vantage is the best on the Market

In the last few years, there have been a few additions to the natural gas/fuel oil condensing boiler market. These products are from overseas, which is a much different market than the United States.

Here in the United States, hospitals and schools require a standby fuel. This fuel is typically fuel oil and is very common here in the upper Midwest.

While Fulton Boilers have run dual fuel consistently over ten years, these new boilers have little experience here in the states and firing fuel oil for extended periods.

In fact Brand "S" and Brand "R" state in their manual that running for extended periods of time on fuel oil, require the boiler to be shut down and cleaned ASAP. See below excerpts from each manual.

Brand “S” and “R”

“The use of any fuel except natural gas (and/or LPG) is forbidden even for short periods of time, except for maximum five (5) days only in case of emergency backup fuel (light oil), with obligation of cleaning to be done by an authorized technician.”

See below for a picture of Brand “S” boilers, these boilers "sooted" after only being ran for a couple of days on oil and then needed to be cleaned before being able to heat the building. Because of the narrow passages, a brush would not work. They had to use a power washer, and this did not get all the soot off the tubes. Because of the cold weather they had to put the boilers back in service and run with a “sooted” boiler for the rest of the winter. Due to this the chimney stack temperatures increased which probably comprised the boilers integrity, Gas usage increased, and now these high efficiency boilers are not high efficiency at all.

When looking for a combination dual fuel boiler, natural gas and #2 fuel oil, specify a manufacture that was designed for this application, not a natural gas boiler that can only run on fuel oil for a couple of days. In addition, ask these “other manufactures” to provide the following, just as the Fulton Brand does.

- **160 psig design pressure**
- **Lifetime thermal Shock warranty (versus only a 10 year offered by both brand S and R)**
- **Able to operate on fuel oil for up to 4000 hours per year.**
- **Remote fuel oil pump to be mounted, wired, and piped at the factory-not in the field**
- **Boilers/Burners shall be FACTORY TEST FIRED on both natural gas and fuel oil with supporting documentation**
- **Boiler package(burner and boiler combined) to be UL LISTED for natural gas (UL795) and fuel oil (UL726).**
- **Boilers/Burners to be AHRI certified on BOTH natural gas and fuel oil.**
- **Able to operate with 100 F return while utilizing #2 Fuel Oil with <15 ppm sulfur content (ultra low sulfur)**
- **Boilers/Burners shall be factory test fired on both natural gas and fuel oil with documentation (not mounted by local rep).**
- **Side clearances of 1"**

Plus Ryan Company has installed hundreds of Fulton Vantage boilers throughout the states of Minnesota, North Dakota, South Dakota and Wisconsin since 2000 and this has never happened to Vantage when used in a gas/oil design.





New Product Alert

Fulton Endura +

1. Sizes offered 2.5 million to 6 million
2. Stress free heat exchanger environment
3. Actual O2 optimization comes standard
4. Sequence up to 10 boilers. No slave/master set up.

More features and information in the May newsletter

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