

> Ballanco: The plumbing engineer's responsibility to codes.

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Intelligent additions

Luxury Chicago high-rise makes
right calls with water heaters, chillers.

- > Correcting existing short cycling
when adding a pellet boiler
- > pme Profile: Liberty Pumps'
President and CEO Charlie Cook

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media

The 340 On the Park
luxury residential
high-rise building
in Chicago.

Weld-LESS is More



Arctic Condensing Boiler Series

delivers unparalleled longevity and industry 1st field serviceable heat exchanger and knock-down configurations to fit where no other condensing boiler can go.



Q: How can a new product provide Longevity?

A: Our weld-less design sealing tube to header is based on core Bryan Steam Boiler practices that are time proven since the early 1900's. Our watertubes flex & move with intense burner heat and do not rely on a stainless weld to hold back this natural occurring motion. We know our method works and is backed with industry leading Lifetime Seal of Certainty as compared to a 10 year weld. We believe the Arctic is the only condensing boiler in the market built to last and the pedigree to prove it.

Q: Is there anything unique to the Arctic pertaining to Efficiency?

A: In addition to 95% AHRI certified from 1000 – 3000 MBH, the Arctic was designed with minimal water side pressure drop ensuring minimal pumping characteristics conserving electricity and boosting overall system efficiency. Capable of 100 degree deltas and low minimum flow requirements, the Arctic is perfect for variable primary piping systems or well suited for primary/secondary applications.

Q: This is not the 1st condensing boiler in the market, so how can yours be the 1st Field Serviceable?

A: Hard to believe, but true, the Arctic is the 1st and only field serviceable condensing heat exchanger in the business.

Q: How can Thermal Solutions do this and others cannot?

A: It goes back those welds - First limiting natural movement and now serviceability.

A contractor can easily change tubes in the field with an Arctic where other products head back to the factory for costly repair or entire replacement. Certainly no one wants problems, but it's comforting to know an easy solution is there if needed as opposed to costly alternatives.

Q: Why is selecting the Arctic so Smart?

A: It's simple, the Arctic combines the best commercial boiler traits: Flexibility (packaged or knockdown – Industry 1st); Longevity (proven weld-less tube to header design); Efficiency (boiler & system optimization); and Serviceability (only field repairable heat exchanger in the market)

All delivered in a condensing space ... finally!





Arctic Condensing Commercial Boiler Delivers Reliability & Longevity to Condensing Space!

Thermal Solutions announces four additional sizes to its innovative Arctic line of condensing boilers. Newly available are the 1.5 Million, 2 Million, 2.5 Million and 3 Million BTU input. Not only do these products achieve 95% Thermal efficiency, they are configured with a number of **UNIQUE** industry leading technologies. All sizes are available in fully packaged or **KNOCK DOWN** configurations – an industry first – allowing the Arctic to quickly and easily be moved into tight spaces where other products may not fit. The Arctic's non-welded heat exchanger technology is guaranteed against Thermal Shock and is easily **FIELD REPAIRABLE**. Water side pressure drops are low, and flow requirements are minimal making it an excellent choice for variable primary piping pumping systems. Optional 20:1 burner turndown, an intuitive touch screen display and an easily accessible control cabinet round out the offering. Contact your local Thermal Solutions representative today to learn how the Arctic boiler can be applied to your next project today.

- **95% AHRI-Certified Efficiency**
- **1000, 1500, 2000, 2500, 3000 MBH**
- **Lifetime Shockproof Seal**
- **Knockdown or Fully Packaged**
- **Variable Primary or Primary/Secondary Piping**
- **100°F Delta-T with Low Minimum Flow**
- **Concert™ Touch Screen Display**
- **Designed and Made in the U.S.A.**

SEE US AT BOOTH C1136

