



## AQT - Watertube Boiler

The AQT watertube is an O-type construction with gas-tight, welded steel inter casing, water cooled rear wall, staggered bent tube convection section, ceramic wool front wall and optional integrated finned tube economizer. Simoneau's AQT watertube applications include high & low pressure steam, hot water (high temperature/high pressure) and thermal fluid heating. Typical industries include manufacturing & processing facilities, pulp & paper, petrochemical, pharmaceuticals, hospitals, universities and ethanol plants.

### Simoneau's AQT Design Features:

- Capacities: 100HP to 70,000 PPH.
- Design pressures: 15 psig to 650 psig.
- Radiant & convective type superheaters with temperatures up to 750 °F.
- Three pass flue gas contact with stagger tube arrangement for maximum heat transfer.
- Balanced heat transfer prevents thermal shock.
- Superior steam quality (1 ppm) using proprietary separation technology with a large steam drum.
- Operates with natural gas, #2 and alternative gases.
- Meets or exceeds NOx Emission Standards while providing high turndown ratio.
- Natural boiler water circulation eliminating the need for a circulating pump.
- Integrated economizer provides efficiency to 85% firing natural gas.

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## Benefits of Simoneau's AQT Boiler Design:

- High efficiency provides significant fuel savings.
- Minimizes installation and maintenance costs.
- Reliable source of high quality, dry, saturated steam (up to 99.9%).
- Extensive capacity range and excellent long-term reliability to meet commercial, industrial and institutional applications.
- Provides quick load response, low operating and reduced maintenance costs.
- Boiler system components (burner, controls, economizer, and emissions options) designed specifically to provide ease of operation.



## Why Simoneau:

As a Solution Builder, Simoneau utilizes its technical expertise and quality manufacturing to provide custom solutions for your specific boiler applications. Reliability, efficiency and the safety of its boiler systems are key results of the Simoneau designs. Our integration of technical expertise, quality manufacturing, on-time delivery and field support make Simoneau your partner of choice.

**To learn more about Simoneau and its products, please contact:**



GROUP SIMONEAU INC.

1541 de Coulomb Street  
Boucherville QC J4B 8C5  
Ph.: 450 641-9140 or  
1 800 748-3793  
Fax: 450 641-9141  
info@groupesimoneau.com

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