

MAXIMIZER[®]

ENERGY REDUCTION & HIGH EFFICIENCY WATER HEATING SYSTEMS



INCREASING PROFITS THROUGH UTILITY & CARBON FOOTPRINT REDUCTION

MaxiMizer: Your Sustainability Partner

Direct Fired Water Heating Systems | Boiler Stack Economizer Systems
Waste Water Heat Recovery Systems | Hot and Tempered Water Systems
Low, Medium & High Pressure Sanitation Systems

RENTAL HOT WATER SYSTEMS



MaxiMizerSystems.com



DIRECT FIRED HIGH EFFICIENCY WATER HEATING SYSTEMS

MaxiMizer Systems specializes in the design, manufacture and installation of custom energy efficient Direct Fired Water Heating Systems. Our systems will reduce your energy cost and carbon footprint while meeting 100% of your hot water needs. The MaxiMizer® will generate hot water at 99.9% combustion efficiency compared to conventional systems at 65%.

MaxiMizer Direct Fired High Efficiency Water Heating Systems Features & Benefits:

- Generate hot water at 99.9% combustion efficiency.
- Reduce your CO₂ and thermal emissions.
- Reduce your carbon footprint.
- Meet your sustainability goals.
- 100% stainless steel construction.
- 100% stainless steel wetted parts.
- Allen Bradley PLC control and monitoring system.



- Secure remote access assistance with industrial router system.
- Maxon burners with standard < 30-PPM low < 15-PPM and ultra-low < 9-PPM NOx.
- Exiting stack temperature as low as 5°F above incoming water temperature
- Integral hot water storage available for small footprint applications.
- Natural gas and propane fuel systems.
- Realize a 35% reduction in natural gas or

- propane costs.
- Single units available from 750-k up to 36.0-mbtuh.
- Lower fuel consumption costs.

A custom designed, installed solution specifically for your application from MaxiMizer Systems.



BOILER STACK ECONOMIZER EXHAUST GAS HEAT RECOVERY SYSTEMS

MaxiMizer Systems specializes in the design, manufacture and installation of boiler stack gas heat recovery systems. Our MaxiMizer Stack Economizer will allow your company to heat process water up to 140°F



utilizing "Free" waste energy normally lost to atmosphere from your boiler or dryer exhaust stack. This system can be installed using a plate and frame heat exchanger to provide potable water.

MaxiMizer Stack Economizer Features & Benefits:

- Reduce your CO₂ and thermal emissions.
- Reduce your carbon footprint.
- Meet your sustainability goals.
- 100% stainless steel construction.
- 100% stainless steel wetted parts.
- Lower fuel consumption costs.
- Allen Bradley PLC control and monitoring system.
- Secure remote access assistance with industrial router system.
- Utilize waste energy in your process to reduce overall energy consumption.
- Save by heating water with free energy.
- Real time BTU monitoring system provides metered energy savings.
- Exiting stack temperature 10°F above incoming water temperature.

A custom designed, installed solution specifically for your application from MaxiMizer Systems.



LOW, MEDIUM & HIGH PRESSURE SANITATION SYSTEMS

MaxiMizer Systems specializes in the design, manufacture and installation of low, medium & high-pressure sanitation systems for your food processing facility. The MaxiMizer direct fired water heater and hot water system will allow you to effectively clean your equipment and facility to the correct standards while achieving significant energy and water use savings.

MaxiMizer Low, Medium & High-Pressure Sanitation System Features & Benefits:

- Reduce your CO₂ and thermal emissions.
- Reduce your carbon footprint.
- Effectively sanitize your facility in a timely and energy efficient manner.
- Lower water usage utilizing the correct pressure and spray nozzle impact.
- 100% stainless steel construction.
- 100% stainless steel wetted parts.
- Internal pump construction 316 stainless steel.
- Allen Bradley PLC control system to optimize operation and safety features.
- VFD control for correct pump operation and energy savings.
- Secure remote access assistance with industrial router system.



- Meet your sustainability goals.

A custom designed, installed solution specifically for your application.



WASTE-WATER HEAT RECOVERY SYSTEMS

MaxiMizer Systems specializes in the design, manufacture and installation of wastewater heat recovery systems. Wastewater heat recovery allows you to capture waste energy from hot post-process wastewater normally lost to the drain or sewer system. The specially designed self-cleaning shell and tube heat exchanger provides the opportunity to pre-heat clean incoming cold process water to within 10°F of the exiting wastewater temperature with free waste energy.

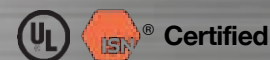
MaxiMizer Wastewater Heat Recovery Features & Benefits:

- Reduce your CO₂ and thermal emissions.
- Reduce your carbon footprint.
- Meet your sustainability goals.
- Capture waste energy normally lost to drain.
- 100% stainless steel construction.
- 100% stainless steel wetted parts.
- Internal tubing 316 stainless steel.
- Waste-water adaptors 100% stainless steel construction.
- Allen Bradley PLC control system to optimize recovered energy.
- Secure remote access assistance with industrial router system.
- Real time BTU monitoring system provides metered energy savings.
- Lower fuel consumption costs.
- Manufactured to TEMA standards.
- Continuous tube bend technology



- provides self-cleaning of internal surfaces.
- Pressure controlled back flush system feature for self-cleaning.
- Utilize waste energy in your process to reduce overall energy consumption.

A custom designed, installed solution specifically for your application from MaxiMizer Systems.



MAXIMIZER SYSTEMS: SUSTAINABILITY AND RELIABILITY

MaxiMizer Systems: increasing profits through utility and carbon footprint reduction.

MaxiMizer Systems: providing installed system solutions for direct fired water heating and energy reduction for over 25 years. We can provide a single source of responsibility for your project. Our products and services include:

- MaxiMizer Direct Fired Water Heaters
- MaxiMizer Boiler Stack Gas Heat Recovery Systems
- MaxiMizer Waste Water Heat Recovery Systems
- Hot Water Systems
- Tempered Water Systems
- Low, Medium & High Pressure Sanitation Systems
- Water Tanks
- Pumps
- Full Service & Training
- System Control Specialists
- Full Parts Service



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MaxiMizer Systems Inc.

1010, 21st Street Drive SE, Hickory, NC 28602
PH 828-322-4044 | Toll Free 1-800-680-HEAT
FX 828-345-0527

Email max@maximizersystems.com

See our systems & what we do @ www.MaxiMizerSystems.com

