MODULAR STEAM SYSTEMS

A SEQUENCED MODULAR DESIGN OFFERING MAXIMUM FLEXIBILITY.

Only The Minimum Of Boilers Is Ever In Use
Customize your panel to determine set point periods and the speed with which each boiler is brought on line. Never have a boiler running when it is not needed. Each boiler is isolated, so heat is only delivered to the building and not to cold, unneeded boiler.

Rugged Steel Construction With Quick Heat Transfer
TRIAD’s compact design transfers heat efficiently, easily handling rapid changes in temperature. TRIAD boilers are the most rugged in the industry, with 3/8” tube sheers and 12 gauge flues.

Improve System Efficiency with a TRIAD Control Panel
The variable and return water temperatures are monitored to ensure that the minimum number of boilers are providing heat. Shoot cycling is avoided, which improves system efficiency and extends equipment life.

Systems Are Packaged For Easy Installation
Mounted controls and buners are wired with a single point power connection. TRIAD’s proprietary headers and secondary piping are perfectly sized for easy installation. Modular pneumatically controlled systems are available for even lower installed costs.

Some Modularity And Rugged Construction
As Our Hydronic Boiler System
All controls and components are mounted and wired, ready for easy installation. TRIAD Boilers fit through virtually any doorway for quick startup.

The TRIAD Design Generates Very Dry Steam
This means more heat per pound of steam, quicker heat recovery, and less water in your system. Our installation method results in systems that are truly isolated, providing continuous steam pressure at a small footprint.

TRIAD’s control panel delivers the temperature you want when you want it. System activation, boiler staging, setback, with fast recovery, and system diagnostics are all monitored and controlled based on your specifications.

ALL TRIAD SYSTEMS DELIVER SECURITY.

SUPERIOR WARRANTIES:
- Hydronic Boiler: 10 years against failure of shell
- Steam generator tube from first break
- Steam Boiler: 2 years

INDUSTRY CERTIFICATIONS:
- UL listed and approved boiler burner packages
- USGBC approved for plumbed units, which saves money
- UL and CSA approved controls
- Burners available with CE, TEMA (A) and Industrial Gas (IB) packages

SAFETY FEATURES:
- Safety Control monitoring water pressure, water level, and component performance
- Combustion chamber entirely secured by water

TRIAD BOILER SYSTEMS, INC.
West Chicago, IL
(630) 562-2700
www.triaboiler.com sales@triaboiler.com

The Big Boiler with a Small Footprint
TRIAD Heavy Duty Construction Assures The Lowest Life-Cycle Costs In The Industry.

Rugged Construction Means A Long Life Of 30+ Years, Which Translates Into Money Saved.

An unusually large 6’7’’ (203 cm) copper coil delivers the heat you need. The coil can last in excess of 25 years because it is INDIRECTLY heated by the boiler water, not by a direct flame. Fouling by hard water deposits is virtually eliminated.

LOWER FUEL COSTS
TRIAD boiler systems are designed to dramatically reduce cycling hours, saving money on fuel costs and wear and tear on the vessel. TRIAD’s pay for themselves!

HIGH SYSTEM EFFICIENCY
When sequenced with a storage tank, a high efficiency “system” is created that ensures the lowest number of boilers will fire for the minimum required time. Delivering too much heat is eliminated forever! 24/7 productivity to the days of over-sized systems!

HIGH AVAILABILITY
An efficiently designed system means less complexity and fewer parts to fail. Modularity provides reliability, assuring the demand for heat is always satisfied.

SIMPLE MAINTENANCE
Self-fractured boilers usually have lower maintenance costs than water tube or cast iron boilers. TRIAD’s design takes this a step further, with easy access to the flues for cleaning, replacement or re-flashing. Controls and components are all well-known and commonly available.

SHORT TERM OR LONG TERM...
Control Your Environment!
Proper sequencing provides for a high level of control, which means steady comfort, high performance and fuel savings.

Create A System For Your Unique Needs!
TRIAD makes easy to design for the precise amount of heat required. Modularity means you will never have a boiler that’s too large. Burners are available in gas, propane, oil, or dual fuel. For difficult boiler rooms, we direct connect air mallocs through the sideloop.

Minimize Thermal Shock!
Return water is carefully monitored inside TRIAD’s Primary-secondary piping, which helps prevent cold water from entering a hot boiler. Mixing valves are unnecessary! Rugged metal design handles a wide range of temperatures.

PICK YOUR APPLICATION!
Space Heating
TRIAD boilers will control your ambient air to maintain comfort while minimizing energy costs. TRIAD’s 125 psi (866 ft) system can handle everything from small commercial to large high-rise office buildings.

Domestic Hot Water
TRIAD’s large coils and hot water virtually eliminates scale while yielding hot water for dishwashers, vacuum, kitchen, and food-processing.

Low Temperature
This model is perfect for in-floor radiant heat, unsure slab, process water and supplementary heat pump applications because it can produce the required temperature output while handling very cold return water.

Combination Boilers
These boilers provide Space Heating plus Domestic Hot Water or Low Temperatures from one vessel. Save space and money by using fewer vessels, less piping, and less installation time. A great solution for those difficult applications!

An independent study compared the life-cycle costs of five leading boiler brands in 3 Mid-Atlantic schools.

...TRIAD MODULAR SYSTEMS SIMPLY WORK BEST.
TRIAD Heavy Duty Construction Assures The Lowest Life-Cycle Costs In The Industry.

**Rugged Construction Means A Long Life Of 30+ Years, Which Translates Into Money Saved.**

**OPTIONAL DOMESTIC HOT WATER COIL**

An unusually large 1/2" x (29.5 m) copper coil delivers the heat you need. The coil can last for more than 25 years because it is INDIRECTLY heated by the boiler water, not by a direct flame. Fouling by hard water deposits is virtually eliminated.

**LOWER FUEL COSTS**
TRIAD boiler systems are designed to dramatically reduce cycling hours, saving money on fuel costs and wear and tear on the vessel. TRIAD’s pay for themselves!

**HIGH SYSTEM EFFICIENCY**
When sequenced with solar panel, a highly efficient system is created that assures the lowest number of burners will fire for the minimum required time. Delivering too much heat is eliminated forever! 24 yr. payback for 15 days of averaged systems!

**HIGH AVAILABILITY**
An entirely unique design means less complexity and fewer parts to fail. Modularity provides redundancy so the demand for heat is always satisfied.

**SIMPLE MAINTENANCE**
Self-renewing boilers usually have lower maintenance costs than water tube or fire box boilers. TRIAD’s design takes this a step further with easy access to the firebox for cleaning, replacement or re-sizing. Controls and components are all self-diagnosed and commonly available!

**SHORT TERM OR LONG TERM...**

**Control Your Environment!**
Proprietary sequencing provides for a high level of control, which means stable comfort, high performance and fuel savings.

**Create A System For Your Unique Needs!**
TRIAD makes easy to design for the precise amount of heat required. Modularity means you will never have a boiler that’s too large. Burners are available in gas, propane, oil or dual fuel. For difficult boiler rooms, we direct connect air inserts through the sidewalk.

**Minimize Thermal Shock!**
Return water is carefully monitored inside TRIAD’s Primary-Secondary piping, which helps prevent cold water from entering a hot boiler. Mixing valves are unnecessary! Rugged steel design handles a wide range of temperature.

**PICK YOUR APPLICATION!**

**Space Heating**
TRIAD boilers will control your ambient air to maintain comfort while minimizing energy costs. TRIAD’s 125 psi (8.6 bar) steam can handle everything from small commercial to large high-rise office buildings.

**Domestic Hot Water**
TRIAD’s large coil with turbulent flow virtually eliminates scale while yielding hot water for showers, saunas, kitchens, and food processing.

**Low Temperature**
Every model is perfect for in-floor radiant heat, snow melt, process water and supplemental heat pump applications because it can produce the required temperature output while handling very cold return water.

**Combination Boilers**
These boilers provide Space Heating plus Domestic Hot Water or Low Temperatures from one vessel. Save space and money by using fewer vessels, less piping, and less installation time. A great solution for those difficult applications!

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**TRIAD MODULAR SYSTEMS SIMPLY WORK BEST.**
MODULAR STEAM SYSTEMS

Some Modularity And Rugged Construction
As Our Hydraulic Boilers!

All components and controls are mounted and wired, ready for easy installation. TRIAD boilers fit through virtually any doorway for quick startup.

The TRIAD Design Generates Very Dry Steam!

This means more heat per pound of steam, quicker heat recovery, and less water in your system. Our exclusive installed results in tanks that are truly isolated, providing continuous steam pressure in a small footprint.

TRIAD’s control panel delivers the temperature you want when you want it. System activation, boiler staging, setback, and fast recovery, and system diagnostics are all monitored and controlled based on your specifications.

ALL TRIAD SYSTEMS DELIVER SECURITY.

SUPERIOR WARRANTIES:

- Hybrid Boilers: 15 year structural failure of steel shell.
- Stainless steel boiler from internal tank.
- Some Boiler: 7 years.

INDUSTRY CERTIFICATIONS:

- UL listed and approved boiler assemblies.
- U.S.-approved non-pressurized vessels which save money.
- UL and CSA approved controls.
- Piston modules with CLP-1, Factory Mutual (FM) and Individual Risk Factors (IRF).

SAFETY FEATURES:

- Safety Controls monitoring: water pressure, water level, and temperature.
- Combustion controls (AM2D equipment).
- Combustion chamber are equipped for water.

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