



SUPERIOR ADVANTAGE WATERTUBE DIVISION

THE SUPERIOR PROBLEM SOLVERS DESIGNED EQUIPMENT TO LAST.

Our boilers are manufactured for longevity, reliability, efficiency, and quality, preventing problems before they occur.

BOILER TYPES OFFERED

Built for steam for many pressures and temperatures, models offered include:

- Ds, D, A, and O-Type Boilers
- High Temp Hot Water Generators
- Heat Recovery Steam Generators
- Skidded and Tandem Assemblies

CUSTOM ENGINEERED

Every watertube boiler is custom engineered and designed to fit the space and the application. This allows you to get the best boiler for your operations and facility without the restrictions of a standardized model. The boiler can be designed for your requirements, offering options for fluctuating load demands, specific emissions compliance requirements, optimal energy efficiency, fuel flexibility, operations redundancy, and limited boiler room footprints.

BURNER & CONTROLS

To accommodate the unique requirements of each end user, Superior offers a variety of industry leading burner and control packages. Custom, open architecture and non-proprietary control systems can also be supplied.



NON-PROPRIETARY PARTS

While some manufacturers utilize proprietary components designed to lock customers into a single source for parts and service, Superior Boiler uses industry standard gaskets and components that can be sourced from and serviced by the vendor of your choosing.

GROOVED DRUM HOLES

Each of our watertube drums features grooved (or serrated) drum holes. Once the tubes are inserted, they are rolled and expanded, expanding into the groove. This provides maximum clamping power for additional security and quality throughout the lifespan of the boiler.

MANUFACTURED ECONOMIZERS

Superior Boiler offers internally sourced economizers on Shawnee Ds-type boilers up to 100,000 lb/hr. Though Superior designs our equipment to work with outside parts, these economizers are built within Superior manufacturing standards and are designed specifically for our boilers.

PRECISION TUBE BENDS

Superior Boiler utilizes the technology of a CNC tube bender in our watertube operations. The tube bender allows for precise bends completed in an efficient time frame. This offers perfect-fit tubes for your units and decreases the tube costs. With the tube bender, we can also offer custom replacement tubes for any watertube boiler on the market. This now includes a shorter turnaround time, getting your operations back up and running!!

THICKER TUBES

To promote the longevity of your product, Superior's watertube manufacturing standards exceed the minimum ASME requirements. Wall convection tubes feature a 0.105" minimum thickness while wall furnace tubes feature a 0.120" minimum thickness. The additional thickness provides additional corrosion protection, keeping your equipment up and running for longer while decreasing downtime required for repairs.

PATENTS FOR SPACE LIMITS

In addition to the custom engineering that allows for unique configurations, Superior Boiler offers 2 patented technologies that offer footprint savings for tight-fit applications. The patented Ds-type boiler and the DFW design are available for you to save space. The Ds-type includes drums set up in an offset alignment. The Dual Furnace Wall (DFW) technology allows for increased capacity in a smaller footprint.

