

QUALITY, VALUE EXPERIENCE

since 1914



www.saskatoonboiler.com

Quality

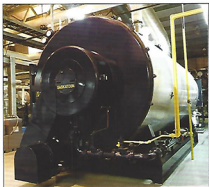
Our Mission Statement:

At Saskatoon Boiler, we manufacture the best boilers we know how to build, provide the best service in the industry with the highest levels of integrity and ethics. We treat every customer like they are the only one we have, and aim to be an integral part of our customer's generation of profits.



Three Saskatoon Boilers, (Two - 400 HP and one 1,000 HP), installed at Innovation Place Energy Centre, Saskatoon, Saskatchewan Canada.

With over 100 years of industrial experience behind every product, Saskatoon Boiler has proven to be a name you can trust. We offer a full line of Scotch Marine forced draft fire tube boilers in high or low pressure steam, hot water or glycol, in sizes from 10-1250 horsepower, engineered to meet your needs. In the next few pages, we would like the opportunity to present you with an overview of our company, our products and the services we provide.



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Saskatoon Boiler's, ongoing commitment to quality and craftsmanship is a continuous process. It involves merging the attention to the smallest details, the commitment and professionalism of our staff and above all, our customer's needs. Each boiler is an engineered package, listed and labelled by Underwriters'

Value

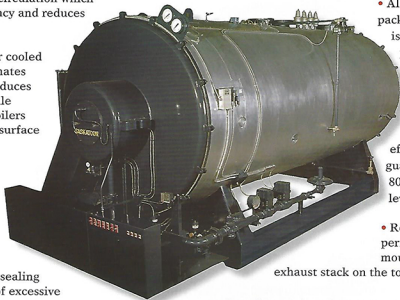
Laboratories of Canada. We offer a 2 or 3 pass design in gas, light oil or dual fuel firing changeover simply by flipping a switch.

Saskatoon boilers are packaged in OTS Series (10-150 HP), J-Series

(175-1250 HP) and Portable Series (10-60 HP), each package having its own unique features, thus offering more versatility in choices for our customers. A feature included in our J-Series units, is a burner suitable for Low Nox requirements. Our Portable Series include skid-mounted, for installation on customer-owned equipment, or wheel-mounted units.

Some of the innovations featured on Saskatoon Boilers

- Standard designs from 15 to 1250 HP up to 300 PSI with the flexibility of many site specific options.*
- 3-pass design maximizes heat transfer.
- Internal feed water preheating distribution system produces forced circulation which increases efficiency and reduces operating costs.
- Exclusive water cooled rear baffle eliminates refractory and reduces maintenance while increasing the boilers internal heating surface area.
- Exclusive confined door gasket sealing system in conjunction with fully flanged doors produce positive sealing without the use of excessive bolting.
- Easy opening doors with ball thrust bearing hinges allow ease of maintenance or inspection
- *No jacks or complicated electrical disconnections are required to open or close the doors.*
- Factory post-weld heat treatment available (determined by engineering requirements).
- Neat appearance: compact skid-mounted design with a polished aluminum or painted steel jackets available (customer's choice).
- All wiring and packaging on the boiler is completely finished prior to shipping.
- Every boiler is factory fire tested and set for maximum efficiency, guaranteeing over 80% at all firing levels.
- Robust design permits direct mounting of the exhaust stack on the top of the boiler.
- Complete package bears Underwriters Laboratory (ULC) listing label.
- Replacement parts readily available through our Parts department.



*features only on 100-1250 HP

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Experience



Canada's oldest operating steam locomotive. Replacement boiler manufactured by Saskatoon Boiler.

Company History

With over 100 years of manufacturing experience behind every product we make, Saskatoon Boiler has established a solid reputation in the industry. Since our founding in 1914 as Saskatoon Welding Co., our company has maintained a tradition of quality, innovative solutions, value, service and above all, commitment to our customers.

Saskatoon Boiler's history has many pioneering accomplishments, including:

- Saskatchewan's first electric welder (1932).
- First portable electric welder (1935).

- First all welded boiler (1938).
- First permanent stress relieving oven (1955).
- First ASME certified manufacturer in Saskatchewan (1966).
- First successful glycol specific boiler (1972).

This innovative spirit continues onward as we continually strive to make the best boilers on the market. We accomplish this by listening to our customers' requests, adopting innovative manufacturing technology and with an ongoing commitment to continuously improve our product line.

Quality is in the details

At Saskatoon Boiler, we pride ourselves as much on the details you can't see as much as those you can – Choice building materials, proven components, quality welding and smart, efficient design features....some of the many quality parts that make up a Saskatoon Boiler.

- Internal feed water preheating and distribution system.
- Durable enamel finish.
- Polished aluminum or steel jacket.



INTERNAL PREHEATING AND DISTRIBUTION SYSTEM REDUCES THERMAL SHOCK



- Easy opening doors with ball thrust bearings for ease of maintenance or inspection.



- Jacket porthole finishing bezel.

- Precision bored tube sheet holes.

- Easily accessible door fastening lugs.

- Tube sheet hand hole for easy repair and maintenance operations.



An example of the high quality welding standard you can expect from Saskatoon Boiler.

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Low NOx



As we enter a new era of more stringent Environmental Regulation, industrial emissions are increasingly a concern. Saskatoon Boiler is pleased offer an optional Low NOx (nitrogen oxides) burner and control package that can be integrated with any of our regular production boilers from 175-1250 HP*, or retrofitted to your existing boiler.

Our Low NOx package can achieve 30 ppm or lower, meeting or exceeding current North American regulations, without compromising efficiency or flame stability. To ensure compliance, each Low NOx boiler is factory fire tested and specifically calibrated before delivery.

*For 20-150 HP boilers, please contact us at 306.652.7022

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Glycol Boilers

Since 1972, our industry leading and uniquely designed glycol boilers have been developed in consultation with some of our largest petroleum customers. They have proven their reliability over the years in actual operation due in large part to our proprietary internal distribution system, which produces a forced circulation within the boiler preventing localized hot spots.

Saskatoon Boiler offers glycol boilers in all sizes up to 40 MMBTU (11 725 kW) and temperatures up to 400° F (204°C).



Pressure Vessels

Saskatoon Boiler has the capacity to fabricate pressure vessels to your requirements.

Production Capabilities:

- Up to 16 feet diameter (4.9 meters)
- Up to 80 feet length (24.3 meters)
- Up to 2 inch thickness (5 centimeters)
- Up to 60 tons weight (54431.1 kilograms)



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Oil Fired Portable Boilers

Steam....where you want it, when you want it! Built with all the same standard features as our other boilers but with the benefit of mobility. Saskatoon Boiler can build a portable package to suit your needs, available in either skid mount or wheel mount, and in sizes ranging from 10 - 60 HP.

All units are equipped with the following standard equipment

- All necessary safety controls.
- Automatic feed water make-up.
- Oil burner.
- Steam hose.
- Durable enamel finish with the option of a polished aluminum or painted jacket.

Wheel mounted units include

- Electrical Generating plant.
- Insulated water tank.
- Fuel tank.

Optional equipment

- Hose rack.
- Water and/or fuel tanks for skid mounts.



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Oil Field Boilers

Saskatoon Boiler offers a wide assortment of boilers specially designed for rugged use in the oil field. Developed over many years based on feedback from oil field operators, Saskatoon Boilers have developed a reputation for toughness and dependability under the harshest conditions.

- Simple design permits easy operation in the field.
- Robust, extra strength frame.
- Compact and versatile design, available in 2 or 3 pass per customer preference.
- 100 HP and higher units feature front and rear doors with ball thrust bearing hinges for ease of field maintenance and inspection.
- All oil and electrical lines are flexible, no burner adjustments are disturbed when doors are opened.
- Tough enamel paint on exposed parts with the option of a polished aluminum or painted jacket.
- Field proven, long life and industry recognized dependability.
- Especially built for oil rigs, service rigs, steam trucks and all your oil field boiler needs.



Space Miser Boilers

Superb performance in a small package! For those looking for the same features as our regular boilers, but have limited space, Saskatoon Boiler offers the Space Miser option.

- Available up to 150 HP.
- Incorporates a condensate and blowdown tank underneath the boiler.
- No special foundation required.

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Certifications

All boilers listed to applicable UL Standards and Requirements by UL

Saskatoon Boiler's Provincial Quality Control Program allows for construction, repair and alteration, both in the shop and in the field of American Society of Mechanical Engineers (ASME) Section I Power Boilers and Boiler External Piping, ASME Section IV Heating Boilers, ASME Section VIII Division 1 Pressure Vessels, ASME B31.1 Power Piping, ASME B31.3 Process

Piping and Canadian Standards Association (CSA) B51 fittings.

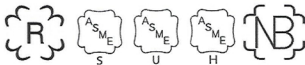
For new construction, Saskatoon Boiler is authorized by ASME to apply the ASME Certification Mark to ASME "S" designated Power Boilers, "H" designated Heating

Boilers and "U" designated Pressure Vessels.

We are also authorized by the National Board of Boiler and Pressure Vessel Inspectors (NBIC) to apply the "NB" mark and registration number to ASME Code certification marked items, as well as "R"

stamp authorization for inservice repairs and alterations of National Board registered items.

The Interprovincial Quality Control Program approval allows Saskatoon Boiler to preform inservice repairs on ASME Section I Power Boilers and Boiler External Piping, ASME Section IV Heating Boilers and ASME Section VII Division 1 Pressure Vessels.



Engineering

Saskatoon Boiler features an in-house Engineering Department fully equipped to handle our design requirements from initial concept to completion. You can trust Saskatoon Boiler to ensure your product is safe, efficient and fully compliant with all applicable codes and regulations.



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Parts and Service

Committed to absolute customer satisfaction



Complete line of premium
OEM factory parts in stock
ready to ship.

- Friendly and knowledgeable sales staff ready to provide prompt personal service.
- Mobile service trucks that are fully equipped to handle maintenance issues as required.
- Qualified and experienced service technicians ready to solve any boiler problems you may encounter. Whether it is a new start up or an emergency repair, we are here to help you with your boiler needs in a timely, economical and courteous manner.

Services include:

- Code compliant repairs and retrofits.
- Boiler refurbishing.
- On site training for new installs.
- New boiler system start up.
- Flue gas analysis and burner setup.
- Expert guidance.
- Annual boiler programs.
- Complete boiler servicing, including plant turnaround services.
- Refractory repairs and replacement.
- Boiler tube repair and replacement.



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*Saskatoon Boilers
Across North America*



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