eVoFlex

The next generation in the five pass flexible Watertube Boiler

Highest thermal efficiency

Lowest operating cost

Reduced carbon foot print with lower CO₂ emissions

Available for steam or hot water applications, burning gaseous fuel or light oil

Patent pending
Large steam drum with steam separator producing exceptional steam quality of 99.5%.

Patented integrated natural circulation steaming economizer improves boiler efficiency to 85%, on natural gas with a feed water temperature of 180°F.

For reduced maintenance cost, the economizer is fully serviceable from the rear of the boiler.

Integrated design allows a pumpless economizer operating on boiler natural circulation.

Tangent tubes form baffle free gas passes improving ease of service and inspection.

Two large cold down comers provide better natural circulation preventing overheating and increasing boiler life expectancy.

Efficiency is based on natural gas high heating value of 1004 BTU/ft³ and 180°F of feedwater.

SELECTION CHART

OPERATING ZONES LEGEND:

- With economizer
- Without economizer

CAPACITY IN BHP

Efficiency is based on natural gas high heating value of 1004 BTU/ft³ and 180°F of feedwater.
• **FLEXIBLE DESIGN** of the boiler allowing quick steam from cold startup. This design is also suitable for hot water or thermal oil heating applications with high temperature differences.

• **EXCELLENT THERMAL SHOCK** protection warranty offered by the manufacturer.

• **SYMMETRICALLY** balances furnace heat transfer improving water natural circulation and steam quality.

• **OVERSIZED FURNACE** improves boiler life expectancy by reducing heat release while reducing NO\textsubscript{X} emissions.

• **LARGER HEATING SURFACE AREA** than most similar boilers, resulting in fewer problems in water treatment extending the life expectancy of the unit.

• **EVOLUTION OF A WELL KNOWN PROVEN DESIGN**

• **LOW WATER VOLUME** boiler approved by TSSA does not require engineers in specified areas, such as Ontario. Please check with your local authorities.

• **FOR REDUCED MAINTENANCE COST** all boiler and burner parts are easy to source for replacement. Routine maintenance can be provided by most service companies.
Boiler can be field erected when access is limited.

*measurements in inches.

For more information, visit our website:
www.novathermboiler.com

Novatherm reserves the rights to review or modify the specifications and dimensions without prior notice and with no obligation.