

Thermogenics – Thermiser Heat Recovery



Preheat Feedwater.

Preheat of process water from Waste Heat.
Three to seven per cent average fuel savings.

Applications – Steam Boilers, Gas engines for Cogeneration.

Pressure – Standard 600 PSIG design.

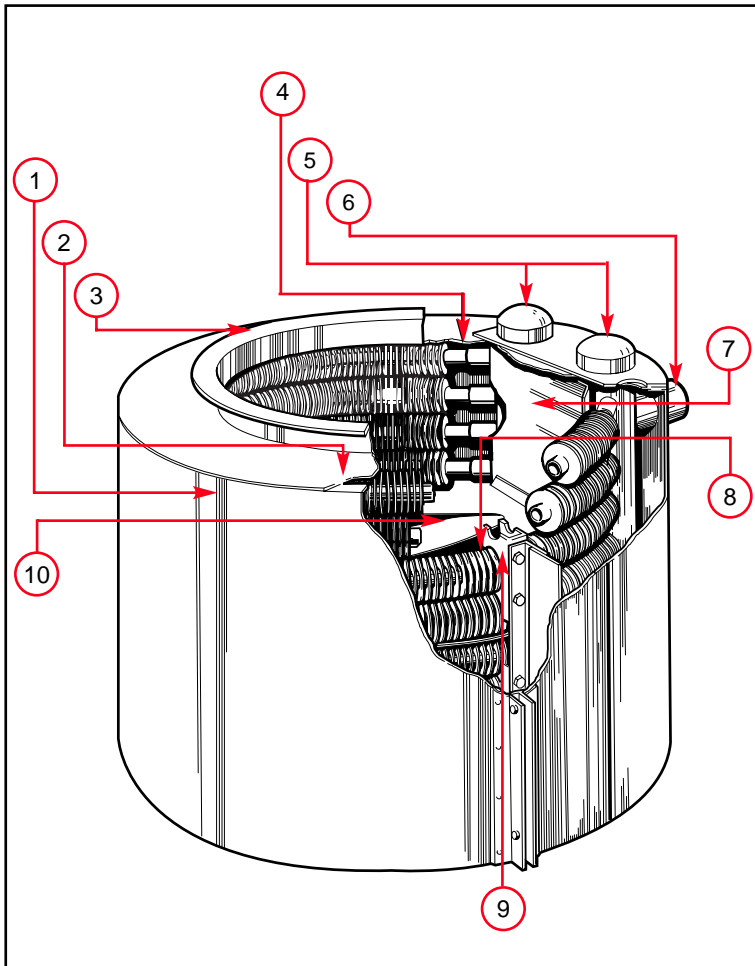
Fuels – Natural Gas and Number 2 Oil.

Efficiency – Three to seven per cent average fuel savings.

Codes – ASME SEC VIII unfired pressure vessel.

Options – Modulating dew point control damper, relief valve, isolation valves, stainless steel wrapper sheets.

Thermiser Heat Recovery



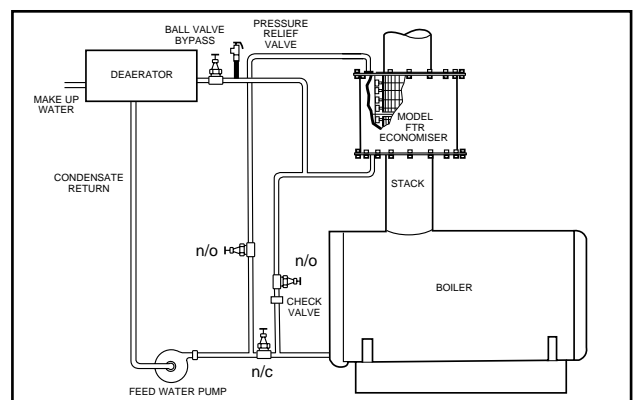
1. Double-wall pre-insulated wrapper sheets are easily removed for coil inspection.
2. Full Gasketing—assembly-sealed with woven insulating rope to prevent leakage and add joint insulation.
3. Mounting Flange—facilitates field-matching of FTR to stack or transition.
4. Single-Row Design—reduces fouling of fins and assures easy cleaning.
5. Tube Headers—separates headers for liquid inlet and outlet both are generously sized for low pressure drop.
6. Female Connection—supplied with pipe plugs to protect ANSI standard pipe thread. Accepts standard piping flanges.
7. Finned Tubes—fins are segmented or spirally wound with various fin spacing available; tube and fin assemblies can be of A-178A carbon steel or metallurgical bonding of aluminum fins and stainless steel tubes. Type 3003 aluminum fins promote efficient thermal conductivity and strength. Heavy wall type 321 stainless steel tubes are corrosion resistant on both liquid and air sides.
8. Header Baffle—presents by-pass of flue gas through area of unfinned tubes.
9. Coil Spacers—provide coil support and separate fins from meshing.

10. Integral Damper—damper is ideal for static pressure and heat recovery adjustment, determining number of exhaust air passes and provides emergency by pass. Located in centre position (illustrated) for two passes, or on top of tubes for single pass. Damper can be manually set or automatically controlled. Wrapper sheet clamps ensure tight seals between housing and wrapper sheets.

THERMISER HEAT RECOVERY

Thermisiers are primarily applied to High Pressure Steam Boilers for pre-heating of boiler feedwater coming from the existing condensate or deaerator system. Average fuel savings vary between three to seven per cent depending on existing conditions. Other opportunities for heat recovery include: Preheating domestic hot water, Perimeter heating, Water glycol heating and Preheating of process water.

Contact our sales office for free computer analysis.



*The descriptions and specifications contained in this brochure are approximate and were in effect at the time of printing.

Thermogenics policy is one of continuous improvement and update. Changes to specific models may occur at anytime without notice or incurring any obligation.

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