

# THERMOGENICS THERMISER HEAT RECOVERY

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The Thermogenics Thermiser Heat Recovery unit preheats Feedwater or Process Fluids from Waste Heat.

Thermiser Heat Recovery units are primarily applied to High Pressure Steam Boilers for pre-heating of boiler feedwater coming from the existing condensate or deaerator systems.

Other opportunities for heat recovery include:

- Preheating domestic hot water
- Perimeter heating
- Water glycol heating
- Preheating of process water

Contact our sales office for a free performance analysis.

## APPLICATIONS

- Steam Boilers
- Gas Engines for Cogeneration.

## PRESSURE

- Standard 600 psig (4138 kPag) design.

## FUELS

- Natural Gas
- Number 2 Oil
- Propane
- Combination of any of the above

## EFFICIENCY

- 3% to 7% percent average fuel savings.\*

\*Dependant on existing site conditions.

## CODES

- ASME BPVC section VIII unfired pressure vessel.



## TRIM OPTIONS AND UPGRADES

- Modulating Dew Point Control Damper.
- Mating/Transition Flange for field-matching to stack.
- Flue Gas Stack Extension.
- NPT standard or optional Flanged Inlet/Outlet Connection
- Optional Stainless Steel Wrapper Sheets.
- An integrated Thermiser Heat Recovery unit is available for new Thermocoil boilers if there is a restriction on installation space.

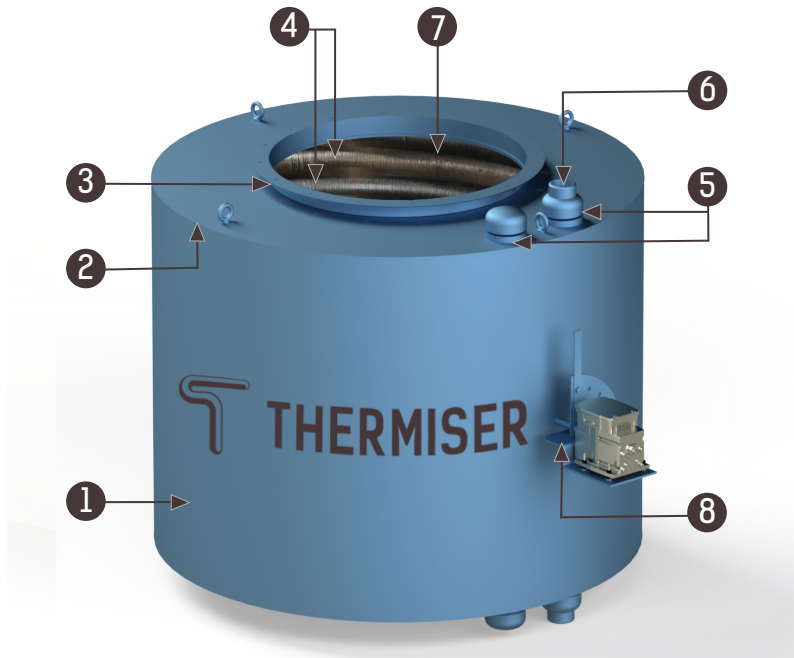
## DIMENSIONS AND WEIGHTS

Model Family	Stack Connection Height <sup>1</sup>	Overall Height <sup>2</sup>	Diameter Range	Approx. Shipping Weight Range
FTR 1	25"	30"	42" - 54"	450 lbs - 600 lbs
FTR 2	46"	50"	42" - 74"	850 lbs - 1700 lbs
FTR 3	66"	70"	50" - 74"	1500 lbs - 3000 lbs

1. Custom models are available for sites with restricted space. Please contact Thermogenics.  
2. May vary depending on the connection option selected.



## Thermiser Heat Recovery Standard And Optional Trim Equipment



1. Double-wall pre-insulated wrapper sheets are easily removed for coil inspection.
2. Full Gasketing – assembly-sealed with gasket tape to prevent leakage and add joint insulation.
3. Mounting Flange.
4. Single-Row Design – reduces fouling of fins and assures easy cleaning.
5. Tube Headers – separate headers for liquid inlet and outlet. Both are generously sized for low pressure drop.
6. Female NPT Connection. Optional Flanged Connection.
7. Finned Tubes are available in standard Carbon Steel. Stainless Steel is available on request. Please contact Thermogenics.
8. Integral Damper – damper is ideal for static pressure and heat recovery adjustment. Available as manual or motorized operation.

## Economizer Typical Flow Schematic

