

Boilers On Demand LLC

— The Delta-T (ΔT) Hydronic Heating Specialists —

Packaged ΔT ECM Hydronic Heating System™



Patents Pending
(USA & Canada)

**NOW! Interchangeable Gun Firing!
#2 Fuel Oil, Natural or Propane Gas**

**Featuring Premium American
Manufacturers with Delta-T
ECM Hydronic Technology**

Do it once. **Taco**
Do it right.

00e series
ECM HIGH-EFFICIENCY CIRCULATOR



SUPERstor ULTRA



WEIL-McLAIN®

**“ENHANCED CONVECTION, DIFFERENTIAL TEMPERATURE MANAGED
HYDRONIC HEATING APPLIANCE” (Patents Pending—USA & Canada)**
Combining the efficiencies of natural (gravity) convection and **Taco®**
Delta-T (ΔT) ECM Circulation (proven on our multiple “Beta Sites”) we
provide the most efficient FHW Heating System available!

Simple, Durable, Efficient FHW Heating — Period!

by MERCIER ENGINEERING, Antrim, NH USA (603) 588-2333

(See Back For Details)

The Packaged ΔT ECM Hydronic Heating System™

The Technologies:

A Taco 00e Series VT2218 ΔT ECM Circulator® with Taco “Zone Sentry” Valves® comprises an Intelligent Hydronic Distribution System, with unparalleled performance. Delta-T (ΔT) Hydronic Technology provides ideal temperatures and flow rates optimizing heating radiation efficiency. Taco Comfort Solutions® promotes 85% electrical and up to 15% fuel consumption reductions. We witness even further with our proprietary enhanced convection “Appliance” piping system!

The Fuel Smart Hydrostat® on our Weil-McLain Ultra “High-Mass” Boiler reduces burner cycling and operating temperatures, providing fuel efficiencies above the published boiler AFUE values. (The Weil-McLain UO is the World Super-Heavyweight Boiler Champion, by far! Built to Last!)

The Application:

A Delta-T ECM Hydronic Distribution System supplying our High-Mass Boiler proprietary near-boiler piping system dramatically simplifies construction, increases efficiency and lengthens service life. Uses up to 1/3 the space, 1/2 the piping with no additional controls or wiring!

Natural (gravity) convection with ΔT circulation further enhances distribution efficiency.

Further integrating an HTP SuperStor® Indirect Water Heater provides efficient, prioritized, lifetime warranted domestic hot (DHW) supply. It also extends “fail-mode” heating continuity.

The Resultant:

1. A truly pre-built, free-standing Hydronic (FHW) Heating Appliance for field proven efficient "on demand" builds or upgrades! Very compactly and efficiently packaged.
2. The heavy Weil-McLain® UO Cast-Iron Boiler with all iron/steel/brass/bronze fittings provides an extended physical and chemical service life. Over 30 years..... ?
3. Taco Comfort Solutions® revolutionary Delta-T ECM Hydronic Distribution Technology maintains ideal temperature control, optimizing heating radiation efficiency.
4. An enhanced (gravity) convection effect is enabled by controlled ΔT Flow Management.
5. Our system is “hydronically correct” from heated water generation to distribution points. Natural (gravity) convection continues heating supply in several component fail modes. We challenge ANY plumber, heating technician or installer to surpass it!
6. All system maintenance items are located within an arm’s reach for servicing efficiency!
7. Simply position the boiler module, then set and fasten the application-correct supply & return modules for a ready-to-install appliance. Takes minutes vs. hours.
8. All IPS (Female Pipe Fitting) appliance interconnections permit hard pipe, soft or hard copper or PEX use, at the customer or installer option.
9. Extend your 115V and Thermostat Wiring, Exhaust, Fuel & Water Piping. Fill & purge the system. Fire and check operation. Done.
10. #2 Fuel Oil, Natural or Propane Gas Burner fired. Change only the gun – not the system!
11. Simplest, most flexible, durable and cost-effective Hydronic Heating System available.

Simple, Durable, Efficient FHW Heating — Period!