

Boilers On Demand LLC

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

The ΔT ECM Hydronic (FHW) Heating Appliance™



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.
Do it right. **Taco**

00e series
ECM HIGH-EFFICIENCY CIRCULATOR



SUPERstor ULTRA



**AMTROL
WATTS®**
WATER TECHNOLOGIES



WEIL-McLAIN®

**“ENHANCED CONVECTION, DIFFERENTIAL TEMPERATURE MANAGED
HYDRONIC HEATING APPLIANCE” (Patents Pending—USA & Canada)**

**By combining efficiencies of natural (gravity) convection with Taco®
Delta-T (ΔT) ECM Distribution (proven on our multiple “Beta Sites”) we
provide the most efficient Hydronic FHW Heating Appliance 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 (FHW) Heating Appliance™

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 to optimize heating radiation efficiency. **Taco Comfort Solutions®** promotes 85% electrical and up to 15% fuel consumption reductions. We witness further with our proprietary enhanced convection (gravity) piped “Appliance”!

The **Fuel Smart Hydrostat®** controlled **Weil-McLain UO “High-Mass” Boiler** significantly reduces system operating temperatures and burner cycling, effecting system fuel efficiencies well above the published boiler AFUE value.

The Application:

A Delta-T ECM Hydronic Distribution System with our High-Mass Boiler proprietary near-boiler piping system dramatically simplifies construction, increases efficiency and lengthens service life. Natural (gravity) convection within ΔT circulation further enhances distribution efficiency. The resultant is the first, true Packaged Hydronic (FHW) Heating Appliance!

By 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 efficient "on demand" builds or upgrades. Very compact, simple, durable and efficient By Design!
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 temperatures to optimize both heating distribution & 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 will continue heating and DHW 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. Functionally a Universal Hydronic (FHW) Heating Appliance. #2 Fuel Oil, Natural or Propane Gas Burner firing. Change the Fuel Burner – not the entire system!

Join the Delta-T ECM Hydronic Heating Revolution!

www.BoilersOnDemand.com

All Consumer, Trade & Dealer Inquiries Welcomed!