

# **BoilersOnDemand.com™**

**— The Delta-T ( $\Delta T$ ) Hydronic Heating Specialists —**

## **The Packaged Delta-T ECM Hydronic System™**



Patents Pending  
(USA & Canada)

**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 the efficiencies of natural (gravity) convection with  
Taco® Delta-T ( $\Delta T$ ) 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 Delta-T ECM Hydronic System™**

### **The Technologies:**

A **Taco 00e Series VT2218 ECM Circulator®** and **Taco “Zone Sentry” Valves®** comprise an Intelligent Hydronic Distribution System, with unparalleled performance. Delta-T ( $\Delta T$ ) Hydronic Technology provides ideal temperatures and flow rates that optimize heating radiation efficiency. **Taco Comfort Solutions®** claims up to 85% electrical and 15% fuel consumption reductions. We see even more with our proprietary “Appliance” piping!

The **Fuel Smart Hydrostat®** on the **Weil-McLain Ultra “High-Mass”, “Triple-Pass” 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:**

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

Further integrating an **HTP SuperStor Heater®** provides efficient, prioritized, lifetime domestic hot (DHW) while extending heating system interruption capacity!

### **The Results:**

1. A truly pre-built, free-standing Hydronic (FHW) Heating Appliance for efficient "on demand" builds or upgrades! Very compactly and efficiently packaged.
2. The very heavy Weil-McLain® UO Cast Boiler with iron/steel/brass/bronze fittings provides an extended physical and chemical service life. Over 30 years..... ?
3. Taco Comfort Solutions® “Delta-T” ( $\Delta T$ ) Hydronic Distribution Technology from America’s Premier Supplier maintains ideal settings to optimize heating efficiency.
4. Our system is “hydronically correct” for heat generation to distribution points. Natural “gravity convection” continues heating supply in some component fail modes. We challenge ANY plumber, heating technician or installer to surpass it!
5. All system maintenance items are within an arm’s reach for servicing efficiency!
6. Locate the boiler module, set and fasten the application-correct supply & return assemblies for a ready-to-install appliance.
7. All IPS (Female Pipe Fitting) appliance interconnections permit hard pipe, soft or hard copper or PEX use, at the customer or installer option.
8. Extend your 115V and Thermostat Wiring, Exhaust, Fuel & Water Piping. Fill & purge the system. Fire it. Done.
9. The simplest, most durable and cost-effective Hydronic Heating System, bar none!

**Simple, Durable, Efficient FHW Heating — Period!**