

Introducing:
America's First Hydronic
(FHW) Heating Appliance!



Patents Pending
 (USA & Canada)



Featuring:

Gravity Enhanced
Hydronic Convection!
— “Naturally Efficient” —

BOILERS ON DEMAND LLC

The ΔT ECM FHW Heating Specialists

www.BoilersOnDemand.com

Boilers On Demand LLC

— America's First ΔT FHW Heating Appliance —
 Five High Street, Antrim, NH USA 03440



(Patents
 Pending)

Neo-Gravity Hydronic Convection Heating™ — “Naturally Efficient”

High-Mass Neo-Gravity Heating
“Emulating Nature”



Our Delta-T ECM Appliance:

1. The Premium All-American Product
2. Technological Simplicity that will outperform ANY “Built-In-Place” Hydronic (FHW) Heating System
3. Uses far fewer Materials & Space
4. Flexible, Modular Construction
5. Installation in Hours vs. Days using Basic Trade Assembly Skills
6. Heavy Duty Cast-iron, Steel, Brass and Bronze Construction guarantee an extended service life. (30+ yrs?)
7. Superior Chemical (Water Quality) Tolerance vs. any other materials.
8. Simplified System Maintenance (Uses Standard Trade Components)
9. Multi-Fuel Interchangeable Firing!
 — Oil or Gases (Natural & Propane)

Delta-T ECM Performance:

1. Lowered, Precise Temp. Control for Optimized Heating Efficiencies.
2. Reduces Distribution Energy 85%+.
3. Radiation Temperature Re-Profiling For Fuel Reductions of up to 15%.

Contact:

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— Boiler + Distribution + Radiation = Hot Water (Hydronic) Heating —

The Gravity Hot Water Heating System - Up to 1920

1. **Simple, Durable Construction:** Larger Cast-Iron Boiler & Radiation with Iron/Steel Piping.
2. **Natural Gravity Convection:** No Distribution Energy Required (similarly with Steam).
3. **Dynamic Energy Utilization:** Vary the Fire (Wood/Coal, etc.) to directly control Heating
 - A. Solid Fuel Firing (Wood, Coal or other) required No Electrical Controls.
 - B. Powered Firing (Gas or Oil Burners) required a Thermostat & Limit Switch (as Steam).
4. **The Limitations of Gravity Convection Heating**
 - A. Installation Costs due to Materials and Skill Level Requirements.
 - B. Single Zone (Whole House) Heating with Limited Individual Radiator Adjustments.

The Powered Hydronic Heating System - 1920 to Date

1. The Electrical Circulator (Pump) instantly revolutionized Central Hydronic Heating.
2. Boiler, Piping and Radiation Sizes reduced Installation Costs and Increased Flexibility.
3. Multi-Zone Heating, Domestic Hot Water and Intelligent Thermostats are now The Norm.
4. Increasing Fuel Costs are driving sophisticated Combustion/Control Systems—and Costs!

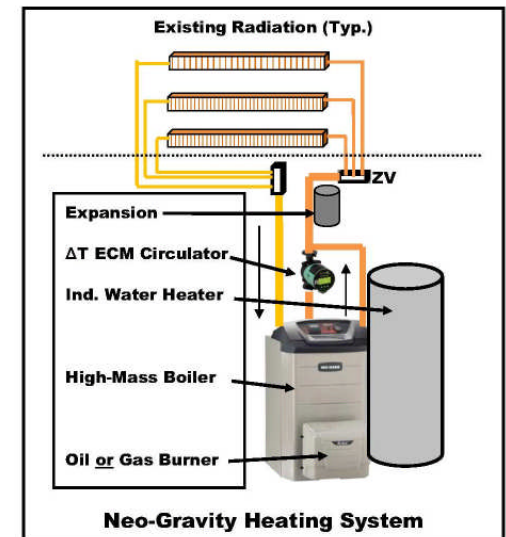
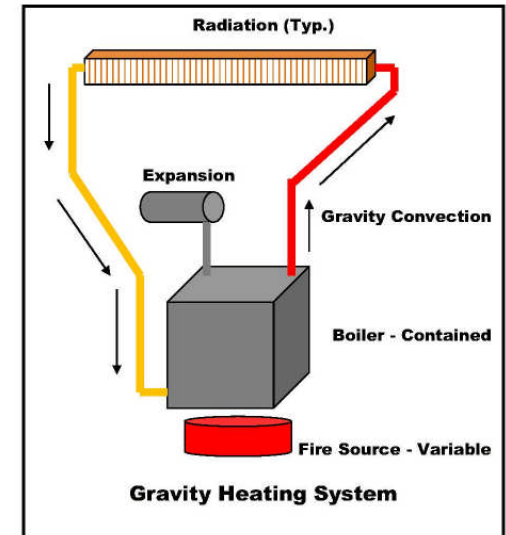
The New Hydronic Distribution Revolution! - Delta-T ECM Circulation

1. Again Hydronic Distribution (Circulation) is revolutionizing the Hot Water Heating System.
 - A. The ΔT ECM Circulator maintains Ideal System Delivery Rate & Water Temperature.
 - B. It is like “Putting an ‘Automatic Transmission’ on a Boiler™”, to use Our Slogan.
 - C. Distribution Energy is reduced by 85% & Fuel Usage by up to 15% (or more).
2. Contemporary Heating System Installations totally ignore Heating Distribution Efficiency!
 - A. Only Boiler AFUE Rating is considered in defining Heating System Performance.
 - B. Excessive Distribution Piping/Control Practice we call “The Plumber’s Playground”.
 - C. Current Hydronic Heating Systems are typically overly-built and under-performing.

Our “Neo-Gravity Hydronic Heating Appliance™”

1. Integrating Natural Gravity Heating with ΔT ECM Technology equates a “Green” Appliance.
 - A. Near-Boiler Piping and ΔT ECM Distribution Design optimize Gravity Convection.
 - B. Our High-Mass ΔT ECM Appliance runs at more efficient, lower system temperatures.
 - C. A Modular-Construction, Design-for-Manufacture Product provides unequalled value.
 - D. High-Mass Boiler with Multi-Fuel (Oil, NG or LP) Capability - Change the Burner, not the System!
2. Appliance Features & Performance based on over twenty (20) system-years of our Beta-Site Installations.
 - A. All systems use 8-13 Watts of circulation power - 1/3 to 1/2 of the Manufacturer’s Expectation!
 - B. Full Cast-Iron/Steel/Brass/Bronze Construction. Over 30 Year Life with no water condition issues?
 - C. Selective Fail-Mode System Heating Continuity w/ Prioritized Indirect Water Heater Operation.
 - D. and all with NO SYSTEM-RELATED SERVICE CALLS TO DATE!

SIMPLE, DURABLE, EFFICIENT HYDRONIC (FHW) HEATING — PERIOD!



2020 Winter Special

**A Residential 3-Zone Heating + 45 Gal. IWH
Delta-T ECM System
As pictured, installed in
NH (Oil only) - 1 Unit**

\$7,775

**Without IWH, Only \$6,175
(Subject to Site Pre-Qualification)**