

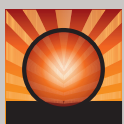


H2O MAX™

Commercial Hot Water Heat Exchanger

The Leader in Performance, High Efficiency,
and Longevity

- 99% Thermal Transfer Efficiency
- 30-40% Energy Savings vs. Conventional Heaters
- Versatile –Potable Water, Buffer Tank, Pool Heater, Sanitization, or Glycol Zone
 - Natural Gas, Propane, Oil, Electric or Solar
- 2.5 Times the Output of Stainless Steel Indirects
- Instantaneous and Continuous
 - No Storage/No Recovery Time
- Minimizes Potential for Lime Scaling
- Maintenance and Corrosion Free Tank Design
 - No Anodes to Replace
 - No Interior Lining To Repair
- 10-Year Commercial Limited Warranty *Best in Industry!*
- Designed and Made in the U.S.A.



THERMAL®
SOLUTIONS
Innovative Equipment for Hot Water Systems

Ever wonder why traditional storage tank-type water heating systems need recovery time or why you heat an entire tank to be sure you have enough hot water? H2OMax's unique injection system with extended heating surface allows for 99% thermal transfer efficiency providing hot water supply immediately, and continuously, without the need for storage, or waiting for tank recovery. This "on demand" approach reduces overall consumption (30% energy savings) while saving valuable floor space (up to 75%) over storage tank-type water systems. H2OMax's tankless design eliminates the need for maintenance. Turbulence from inside the tank minimizes the potential for scaling, ensuring product longevity without sacrificial anodes or special protective linings.

H2OMax's high performance with distinctive design, all in a compact package, provides versatility by transforming itself into multiple heat generation sources for any application where hot water is used.



Restaurants



Commercial Car Washes



Commercial Buildings



Schools & Universities



Apartments, Condos, Hotels



Retirement/Nursing Homes



Fitness Centers



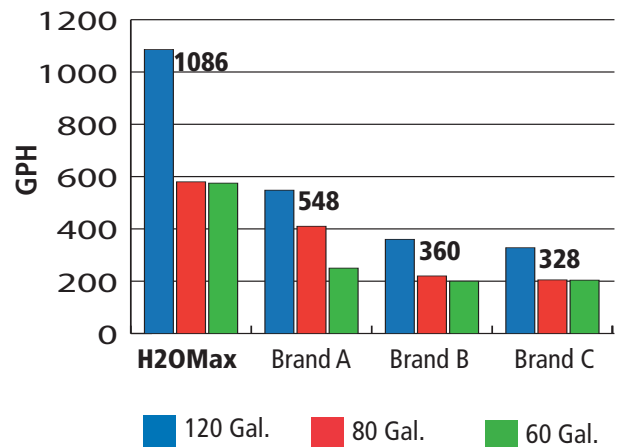
Commercial /Coin Laundry

99% Thermal Transfer Efficiency

Copper, contrary to stainless steel, has the highest thermal conductivity of any other material to effectively & efficiently transfer heat into cold water.

High Output

Simply stated, more coiled copper tubing is used to produce up to 2.5x more output of same-sized stainless steel indirect water heaters.

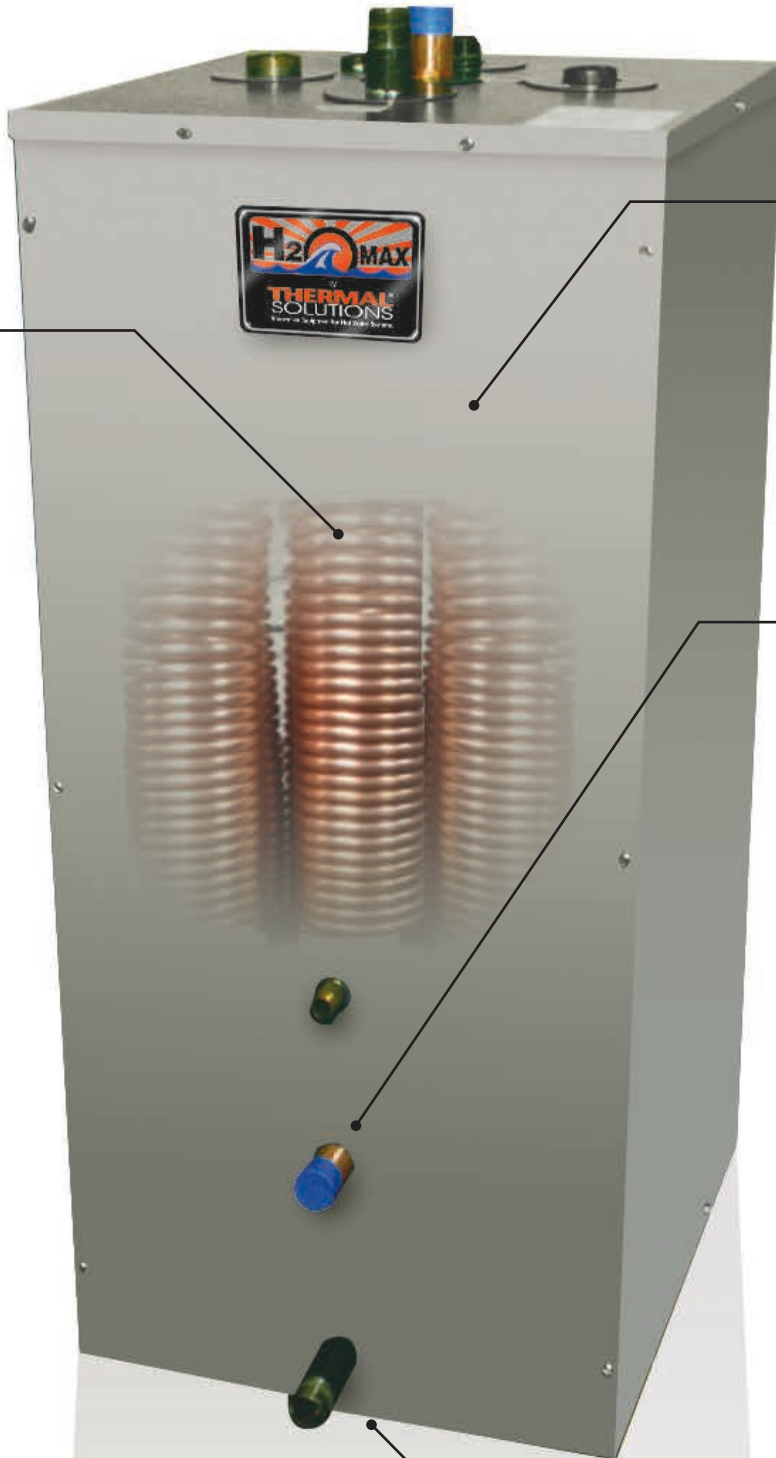


Maintenance and Corrosion Free

H2OMax's tankless design doesn't require a sacrificial anode or interior lining to protect against corrosion, eliminating the need for maintenance and promoting longevity over other products

Instantaneous

Always hot and ready to go. H2OMax's "on demand" approach provides hot water when needed and continuously, reducing consumption (30-40% energy savings) and eliminating the need for storage or recovery time.



Boiler Water

Thermal storage inside tank provides instant heat in seconds and helps buffer low mass, high efficiency boilers from short cycling.

Turbulence

From top to bottom, designed turbulence promotes heat transfer, reduces tank stratification and thermal stress, and minimizes the potential for scaling.

Cold Water

Unlike other indirect hot water generators, cold water travels inside the copper coils in an upward, counterflow motion, increasing heat transfer efficiency which creates scale-reducing turbulence.

Multi-Purpose

H2O Max's versatility makes it ideal for many water or low pressure steam applications (potable water, buffer tank, pool heater, sanitation, or glycol zone) using energy from natural gas, propane, oil, electric, or solar.

Double-Wall Exempt

Boiler water inside the tank is stored at low pressure. A built-in safety valve is designed to protect the tank in the unlikely event of cold water pressure leakage from the coils.

10-Year Limited Warranty

Industry-leading commercial limited warranty instills confidence in the product's performance and longevity.

Small Footprint

H2O Max's compact design (4-5 sq. ft.) allows it to fit in the most challenging installation spaces. 75% less space than storage tank hot water systems!

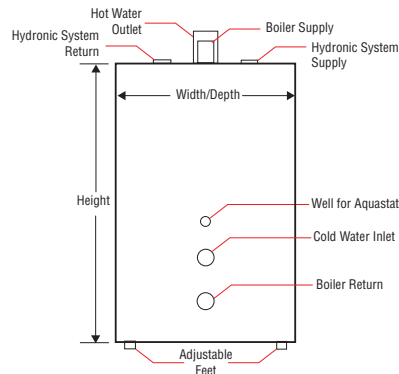
Ratings

Boiler Water Supply: 180°F
Boiler Water Return: 160°F

Cold Water In: 40°F
Hot Water Out: See Below

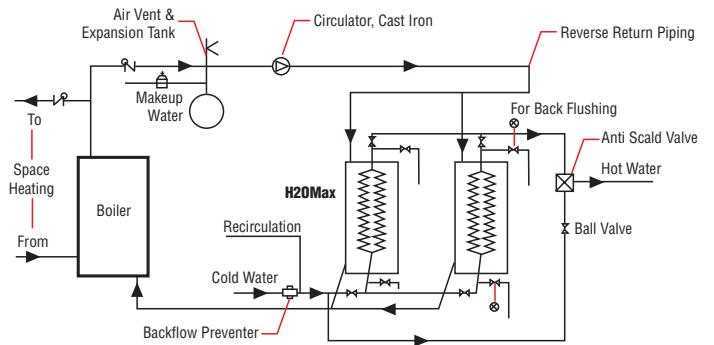
Tank Models		H26				H48				H72				H119			
Hot Water Out		110°F	120°F	140°F	160°F	110°F	120°F	140°F	160°F	110°F	120°F	140°F	160°F	110°F	120°F	140°F	160°F
Temp. Rise		70°F	80°F	100°F	120°F	70°F	80°F	100°F	120°F	70°F	80°F	100°F	120°F	70°F	80°F	100°F	120°F
Boiler Output (BTU/HR)	Pump Flow (GPM)	CONTINUOUS Maximum Hot Water Produced in U.S. Gallons Per Hour (GPH)															
		150,000	15	258	226	181	151	258	226	181	151	258	226	181	151	258	226
200,000	20	344	301	241	202	344	301	241	202	344	301	241	202	344	301	241	202
250,000	25	429	376	302	—	429	376	302	252	429	376	302	252	429	376	302	252
300,000	30	515	452	362	—	515	452	362	—	515	452	362	302	515	452	362	302
350,000	35	601	527	422	—	601	527	422	—	601	527	422	353	601	527	422	353
400,000	40	687	—	—	—	687	602	483	—	687	602	483	—	687	602	483	403
450,000	45	—	—	—	—	773	678	543	—	773	678	543	—	773	678	543	453
500,000	50	—	—	—	—	859	753	—	—	859	753	—	—	859	753	603	504
550,000	55	—	—	—	—	—	—	—	—	945	828	—	—	945	828	664	554
600,000	60	—	—	—	—	—	—	—	—	1,031	—	—	—	1,031	903	724	—
700,000	70	—	—	—	—	—	—	—	—	—	—	—	—	1,202	1,054	845	—
800,000	80	—	—	—	—	—	—	—	—	—	—	—	—	1,374	1,205	965	—
900,000	90	—	—	—	—	—	—	—	—	—	—	—	—	1,546	1,355	1,086	—
1,000,000	100	—	—	—	—	—	—	—	—	—	—	—	—	1,804	1,581	—	—
1,050,000	105	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Contact Thermal Solutions for Commercial Sizing Guide and other ratings



Typical Installation

One Boiler, Two H2OMax Heat Exchangers



Models	Tank Volume (Gal.)	Heat Transfer Area (Sq. Ft.)	Maximum Design			Water Connections			Overall Dimensions		Shipping Weight (Lbs.)
			Exchanger (MAWP)	Boiler (MAWP)	Temp. (°F)	Cold In/Out	Supply & Return		Height	Width & Depth	
H26	26	21.0	150 Psig	30 Psig	190	1.25"	1.00"	1.25"	42"	19.5"	210
H48	48	26.2	150 Psig	60 Psig	190	1.50"	1.25"	1.25"	45"	24.5"	375
H72	72	26.2	150 Psig	115 Psig	190	1.50"	1.50"	2.00"	49"	26.5"	575
H119	119	47.1	150 Psig	115 Psig	190	2.00"	2.00"	2.00"	60"	30.5"	800

Standard Equipment

- Steel tank (ASME or Non-ASME)
- Jacket and insulation
- Adjustable feet for leveling / clearances
- Temperature & pressure gauge
- Relief valve
- Drain valve
- Temperature well



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