



Advanced Heating  
& Hot Water Systems

High Efficiency  
Residential  
& Commercial  
Water Heating



# A Product For Every Water Heating Need



	Mod Con VWH	Elite VWH	Phoenix	Oil Fired	Ultra	Contender (Glass Lined)	Hybrid Heat Pump	Everlast	Marine	Versa-Hydro	Versa-Flame
Tank Material	–	–	Stainless Steel	Glass-Lined w/ Anode Rods	Stainless Steel	Glass-Lined w/ Anode Rods	Glass-Lined	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Modulation	5:1	5:1	up to 5:1	–	–	–	–	–	–	up to 5:1	up to 5:1
Heat Exchanger	316 L Stainless Steel	316 L Stainless Steel	Cupronickel & Stainless Steel	Ceramic Fiber	Finned Cupronickel	Smooth Enamel Coil	Copper Tubed / Heating Element	Incoloy Stainless Steel Element	Finned Cupronickel or Stainless Steel Element	Cupronickel & Stainless Steel	Cupronickel & Stainless Steel
Storage Tank Option	Requires Storage Tank	Requires Storage Tank			Ultra CB	SuperStor GL					
Double Wall Exchanger					Option						
Commercial: with 2 Heat Exchangers					Option						
Solar Option			X		X	X				X	
Combination Space & Domestic Heating										X	X
Cascading	X	X									
High Temp. Sanitation			SA Models								
BTU's	301,000 to 850,000	80,000 to 399,000	100,000 to 199,000							130,000 to 199,000	130,000 to 199,000
Water Heater Type	Direct Gas	Direct Gas	Direct Gas	Direct Oil Fired	Indirect	Indirect	Direct Electric / Heat Pump	Direct Electric	Indirect & Direct Electric	Direct Gas	Direct Gas

Combined DHW & Space Heating

## Marine

### Stainless Steel Water Heater

Model	Height / Diameter	Tank Weight
SS-6M / EV-6M	16.5" / 14.25"	19 lbs
SS-12M / EV-12M	19" / 16.25"	26 lbs
SS-20M / EV-20M	27" / 19.25"	41 lbs

- Low energy costs: resulting from high recovery rates and low standby heat losses
- 2 options: 1. An internal heat exchanger to run off of the boat's engine loop  
2. Equipped with a 1500 watt stainless steel electric heating element with a corrosion resistant brass base
- Outer jacket of polyethylene provides an extra level of protection against fresh/salt water corrosion and rusting
- 6, 12 and 20 gallon models available with a 5 year warranty



# MOD CON <sup>V</sup> <sub>W</sub> <sub>H</sub>

Mod Con Model	BTU / Input Range	Gross Output BTU / hr	GPH @ 100° Rise	Thermal Efficiency
Mod Con 300vwh	60,000 - 301,000	283,000	338	94.0
Mod Con 500vwh	100,000 - 500,000	470,000	564	94.0
Mod Con 850vwh	170,000 - 850,000	799,000	959	94.0



## Commercial Hot Water Supply Boiler

- Ultra high 94% thermal efficiency rating
- 316L stainless steel construction heat exchanger
- Vents up to 200 ft. in PVC, CPVC, or stainless steel
- Cascading capability: up to 8 boilers - increased turndown ratios, built-in redundancy, and a total heating capacity of up to 6,800,000 BTUs
- Numeric control panel and USB connection allows boiler history to be displayed on a computer
- Modulating burner with 5 to 1 turndown ratio
- Removable front cover, easy to service
- 5 year limited warranty

# Elite <sup>V</sup> <sub>W</sub> <sub>H</sub>

## Hot Water Supply Boiler

## Best In Class Up To 98% AFUE



- 5 to 1 turndown ratio
- Vents in inexpensive, easy-to-install PVC pipe, up to 200 equivalent feet
- Energy Star rated: eligible for tax credits and utility company rebates (excludes EL-399)
- State of the art control interface: a 2-line 20-character LCD control interface (Total System Control)
- 316L stainless steel heat exchanger
- Impressive range: six models, ranging from 80,000 to 399,000 BTUs
- Floor or wall mount
- Cascade up to 8 Boilers
- 5 year limited warranty

Elite Model	BTU / Input Range	AFUE	GPH @ 100° Rise
EL-80vwh	16,000 - 80,000	96.1	91
EL-110vwh	22,000 - 110,000	96.1	124
EL-150vwh	30,000 - 150,000	96.1	169
EL-220vwh	44,000 - 220,000	98.0	259
EL-299vwh	60,000 - 299,000	96.0	344
EL-399vwh	80,000 - 399,000	96.0*	457

\* Thermal Efficiency



TSC = 36 Boiler functions under one control, including: Cascade Rotation, System Freeze Protection, Warm Weather Shut-off, DHW Set Point, Outdoor Sensor, etc.

# Phoenix

Stainless Steel, Gas fired, Commercial Water Heater



- Up to 160° F temperature
- Up to 96% Thermal efficiency
- Up to 5 to 1 turndown ratio
- The tank has minimal heat loss, thanks to 2" foam insulation
- Virtually maintenance free
- System flexibility: built in auxiliary taps provide connections to air handlers or supplemental storage tanks
- Quality construction: an extremely durable cupronickel and stainless steel heat exchanger boasts excellent heat transfer properties and resists corrosion
- Robust 316L stainless steel tank eliminates the need for anode rods
- Vents in inexpensive, easy to install PVC or CPVC pipe, with combined vent lengths up to 200' in 3" pipe and combined vent lengths up to 85' in 2" for the 100 and 130 models
- Eligible for tax credits and utility company rebates

Phoenix Model	Input Modulation	GAL.	First Hr. Rating	Recovery at 100° Rise	Thermal Efficiency
PH199-119	40,000-199,000	119	335 gal	230 gal	96.1%
PH160-119	40,000-160,000	119	295 gal	184 gal	96.1%
PH130-119	35,000-130,000	119	257 gal	152 gal	96.1%
PH100-119	35,000-100,000	119	214 gal	117 gal	96.3%
PH199-80	40,000-199,000	80	314 gal	229 gal	94.8%
PH160-80	40,000-160,000	80	265 gal	184 gal	95.2%
PH130-80	35,000-130,000	80	227 gal	150 gal	95.4%
PH100-80	35,000-100,000	80	189 gal	116 gal	95.8%
PH199-55	40,000-199,000	55	295 gal	229 gal	95.0%
PH160-55	40,000-160,000	55	245 gal	184 gal	95.1%
PH130-55	35,000-130,000	55	205 gal	148 gal	93.7%
PH100-55	35,000-100,000	55	169 gal	115 gal	94.8%

*Solar and Sanitizer Options Available*

## Combined Hydronic Applications

# Versa-Hydro

Space Heating & Domestic Hot Water Combined

- The modulating DHW burner operates up to 5 to 1 turndown ratio, while the space heating module operates at a 10 to 1 turndown ratio
- Low energy costs: ultra high 96% thermal efficiency
- The tank has minimal heat loss, thanks to thick, water blown, foam insulation
- Virtually maintenance free operation
- Incredible system flexibility: Built-in auxiliary taps provide connections to air handlers or supplemental storage tanks
- The Versa-Hydro saves space by combining the equivalent of a 135,000 BTU boiler, an indirect water heater, and a buffer tank into one small footprint
- An extremely durable cupronickel and stainless steel heat exchanger boasts excellent heat transfer properties and resists corrosion
- PVC or CPVC pipe, with combined vent lengths up to 200' in 3" pipe for the 199 model and combined vent lengths up to 85' in 2" for the 130 model
- 12 year limited warranty

Versa-Hydro Model	GAL.	BTU'S	SPACE HEATING MODULE BTU'S	MAX. SPACE HEATER TEMP.
PHE130-55 / PHE199-55	55	130,000	100,000	160°
		199,000	135,000	
PHE130-80 / PHE199-80	80	130,000	100,000	160°
		199,000	135,000	
PHE130-119 / PHE199-119	119	130,000	100,000	160°
		199,000	135,000	



*Solar Option Available*



# SUPERstor Oil Fired Water Heater

- Oil fired tank available in 30, 50 and 70 gallons
- Glass lined, long life heavy duty steel tank
- Two anode rods for extra protection and longer tank life
- State-of-the-art controls provide added efficiency and extra-fast reaction times
- Ceramic fiber combustion chamber
- Combustion efficiency exceeds 82%+
- Superstor oil fired water heaters are designed with all the new energy standards in mind
- Eligible for tax credits and utility company rebates
- Limited five year warranty



Oil Fired Burners	Burner Type	Tank	BTU Input
6040P-553	Single Aquastat	OFT-30	87,425
6040P-554	Single Aquastat	OFT-50	100,875
6040P-555	Single Aquastat	OFT-70	114,325
6040P-574	Dual Aquastat	OFT-30	87,425
6040P-575	Dual Aquastat	OFT-50	100,875
6040P-576	Dual Aquastat	OFT-70	114,325

OFT Model	Height / Diameter	Ship Weight	Energy Factor
OFT-30	51"/22"	171 lbs	0.576
OFT-50	59"/24"	226.5 lbs	N/A
OFT-70	66"/26"	356 lbs	N/A

OFT  
Shown with  
Burner  
(Burner Sold Separately)

Everlast Model	Gallon Capacity	Wattage	Voltage	Height / Diameter	Ship Weight
Point of Use (single element)					
EV-6	6	1500/NA	120/240	16.5"/14.25"	19 lbs
EV-12	12	1500/4500	120/240	19"/16.25"	26 lbs
EV-20	20	1500/4500	120/240	27"/19.25"	41 lbs

# Everlast Stainless Steel Electric Water Heater

- Thermostat and high limit controls / Adjustable temperature range
- Hot water outlet connection: provides a natural thermo trap reducing the amount of energy normally lost with a top outlet connection
- Provides the finest protection against harsh water condition for a lifetime of durability against leaks - *Limited 15 year warranty*
- The tank has minimal heat loss, thanks to heavy-duty foam insulation
- Stainless steel incoloy element with brass screw base reduces chances of element burn out and provides longer service life versus conventional elements
- Directs cold water to the heating element near the bottom of the tank and minimizes mixing of cold water providing long draws of hot water
- Provides the lowest industry standby loss an electric tank can offer

NO ANODE  
RODS NEEDED  
RESISTS  
SCALE BUILD-UP  
LIGHT  
WEIGHT



# SUPERstor ULTRA

## Stainless Steel, Indirect Water Heaters

- Low energy costs: when used in conjunction with an HTP high efficiency boiler, operating costs decrease even further
- Ultra high performance, can generate over 50% more hot water than many water heaters of similar size (offered in 7 sizes: 20 to 119 gallons)
- Minimal heat loss, thanks to thick, water blown, foam insulation
- Virtually maintenance free operation
- Extremely durable cupronickel heat exchanger boasts excellent heat transfer properties and resists corrosion
- Robust 316L stainless steel tank eliminates the need for anode rods
- Limited lifetime residential warranty: The industry's strongest protection plan
- Number one selling indirect water heater in the country



Ultra Indirect Model	180° F Boiler Water 1st Hr Rating		Height / Diameter	Pressure Drop (Ft)	Shipping Weight
	140° F	115° F			
SSU-20	121 GPH	168 GPH	27"/19.25"	6.0	60 LBS
SSU-30	154 GPH	212 GPH	39.5"/19.25"	6.0	72 LBS
SSU-30LB	169 GPH	234 GPH	28.5"/23.25"	6.0	79 LBS
SSU-45	212 GPH	292 GPH	52.5"/19.25"	7.9	88 LBS
SSU-60	266 GPH	370 GPH	52.5"/23.25"	7.9	110 LBS
SSU-80	330 GPH	440 GPH	72"/23.25"	9.1	141 LBS
SSU-119	423 GPH	564 GPH	73.25"/27"	11.3	210 LBS

Ultra Storage Tank	Height / Diameter	Floor to Drain	Floor to Inlet	Floor to Outlet	Water Connection Sizes	Shipping Weight
SSU-30CB	39.5"/19.25"	4.5"	4.5"	33.75"	.75" NPT	40 LBS
SSU-45CB	52.5"/19.25"	4.5"	4.5"	45.75"	.75" NPT	64 LBS
SSU-60CB	52.5"/23.25"	4.5"	4.5"	45.75"	1" NPT	90 LBS
SSU-80CB	72"/23.25"	6"	16"	64.75"	1.5" NPT	129 LBS
SSU-119CB	73.25"/27"	7.25"	17.25"	66"	1.5" NPT	178 LBS

## SuperStor Ultra Storage Tanks

- Low standby heat loss
- 10 year limited warranty on SSU storage tanks
- Robust 316L stainless steel tank eliminates the need for anode rods and resists corrosion



## SuperStor Ultra Commercial Indirect

- The commercial SuperStor Ultra contains two heat exchangers to accommodate high volume needs
- 7 year limited warranty

Indirect Commercial Model	180° F Boiler Water 1st Hr Rating		Height / Diameter	Pressure Drop (Ft)	Shipping Weight
	140° F	115° F			
SSU-45C	314 GPH	414 GPH	42"/19.25"	6.8	99 LBS
SSU-60C	354 GPH	467 GPH	52.5"/23.25"	9.2	115 LBS
SSU-80C	490 GPH	647 GPH	72"/23.25"	10.0	141 LBS
SSU-119C	637 GPH	841 GPH	74"/27"	12.7	210 LBS

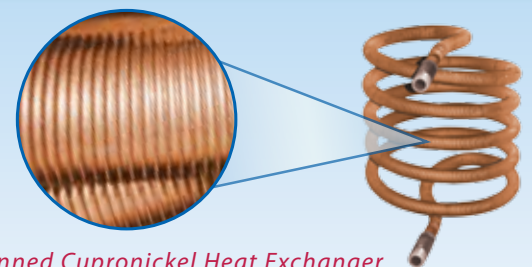
Commercial Indirect with 2 Heat Exchangers

Solar options available

## SuperStor Ultra Double Wall Indirects

- Provides additional protection against cross contamination
- Limited lifetime warranty

Double Wall Indirect Model	180° F Boiler Water 1st Hr Rating		Height / Diameter	Pressure Drop (Ft)	Circulator GPM
	140° F	115° F			
SSU-45DW	70 GPH	108 GPH	42"/19.25"	8.2	6
SSU-60DW	90 GPH	144 GPH	52.5"/23.25"	12.8	7
SSU-80DW	138 GPH	215 GPH	72"/23.25"	13.6	10
SSU-119DW	210 GPH	326 GPH	74"/27"	15.9	12



Finned Cupronickel Heat Exchanger Provides Maximum Efficiency - 11 Fins per inch

# Versa-Flame

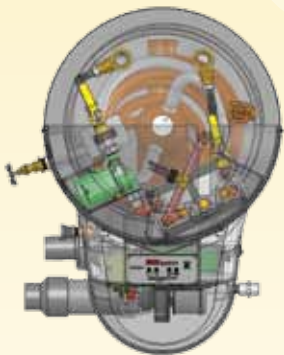
## High Efficiency Combination Space Heating & Endless Hot Water



### EndLess Hot Water:

- With a first hour rating of 300 gallons per hour, fill tub faster than any tankless appliance!
- At a 77 °F rise, deliver domestic hot water instantaneously about 5 gallons per minute to multiple outlets – Endless Hot Water
- 55 gallon thermal mass to draw heat from

### High Efficiency, High Mass Space Heating:

- Up to 95% Efficient
- Modulation provides up to 5:1 turndown ratio
- Stainless Steel Tank
- No primary Secondary piping required - Low Pressure drop
- 12 year limited warranty



DHW Source	199,000 BTUs @ 77° F Rise
Versa-Flame	 Up to 57 Gallons For 10 Min. Draw
Tankless (is less)	 Up to 42 Gallons For 10 Min. Draw

**Save Energy  
with Modulating  
Technology**

Versa-Flame Model	BTU / Input Range	Tank Size	Approx. Shipping Weight	Gallons per minute @ 77° rise	First Hour Rating	Height	Diameter
PHR-130-55C	35,000-130,000	55 Gallons	190 lbs.	3.2	210 GPH	68"	23"
PHR-160-55C	40,000-160,000	55 Gallons	197 lbs.	3.85	250 GPH	68"	23"
PHR-199-55C	40,000-199,000	55 Gallons	197 lbs.	4.8	300 GPH	68"	23"

# Hybrid Heat Pump Water Heater

- 2.26 Energy factor - Exceeds energy star performance standards
- 3 Year estimated pay back
- 60 GPH first hour rating
- Eco friendly - Low NOx and low CO<sub>2</sub> emissions
- Electric backup - Fast recovery
- 15 Ft duct capability - Easy installation
- 50 Gallon tank
- 10 Year warranty

HTP Heat Pump Water Heater
Model: HRW-50-6
Weight: 200 lbs.
First Hour Rating: 60 Gal.
COP: 3.0
EF Rating: 2.26
Ambient Temp: up to 115°F
Water Temp: 110° to 140°F
Height: 64.6"
Diameter: 22.3"
50 Gallon



## Glass-Lined, Indirect Water Heater



**Economy Mode**  
The most efficient energy saving mode. The Heat Pump Mode



**Vacation Mode**  
Drop temperature down to 50°F while on vacation



**Auto Mode**  
Uses the heat pump as the primary heat source and the electrical elements provide a backup



**Standard Electric**  
During high load conditions when the unit may need to expand more energy than usual.



# Contender

## Glass-Lined, Indirect Water Heater

- Available in 35, 50, 80 and 119 gallon models
- The tank has minimal heat loss, thanks to thick, water blown, foam insulation
- Flexibility: can be linked to a boiler using either a zone valve or a circulated pump
- Quality construction - a specially formulated enamel heat exchanger resists lime build-up, while an oversized anode rod protects the glass-lined steel tank from corrosion
- Durable plastic jacket ensures a rustproof finish, even in moist environments
- Slush coat glass lined, not sprayed
- High performance standards at a value price
- 7 year limited warranty

Contender Model	140°F 90°F ΔT	115°F 65°F ΔT	Height/ Diameter	Gallon Capacity	Shipping Weight
SSC-35	112 GPH	152 GPH	36.25"/23"	35	141 LBS
SSC-50	190 GPH	258 GPH	46.5"/23"	50	172 LBS
SSC-80	198 GPH	270 GPH	71.25"/23"	80	232 LBS
SSC-119	268 GPH	364 GPH	67"/28"	119	300 LBS



*Solar options available*