

Advanced Heating
& Hot Water Systems

Versa- Flame

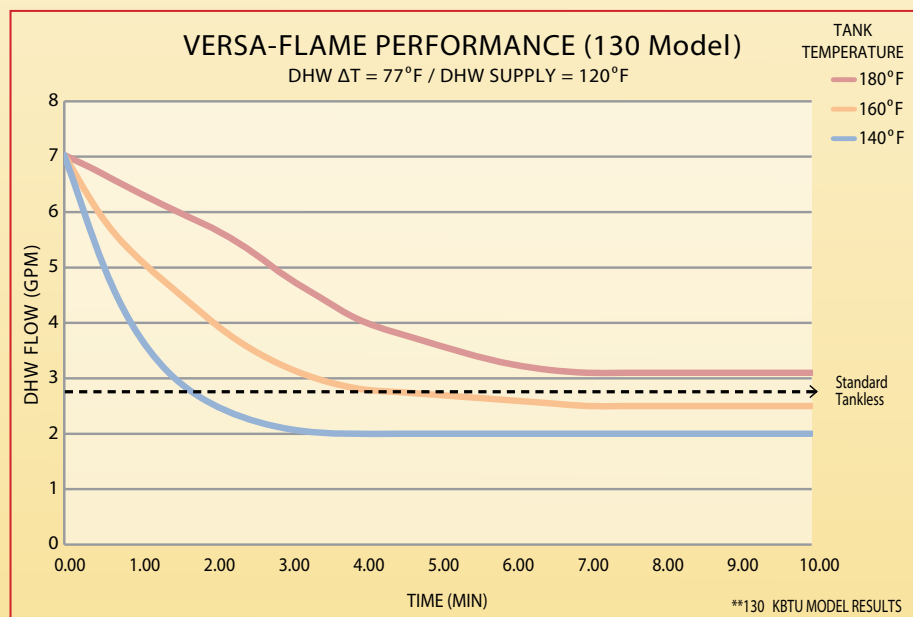
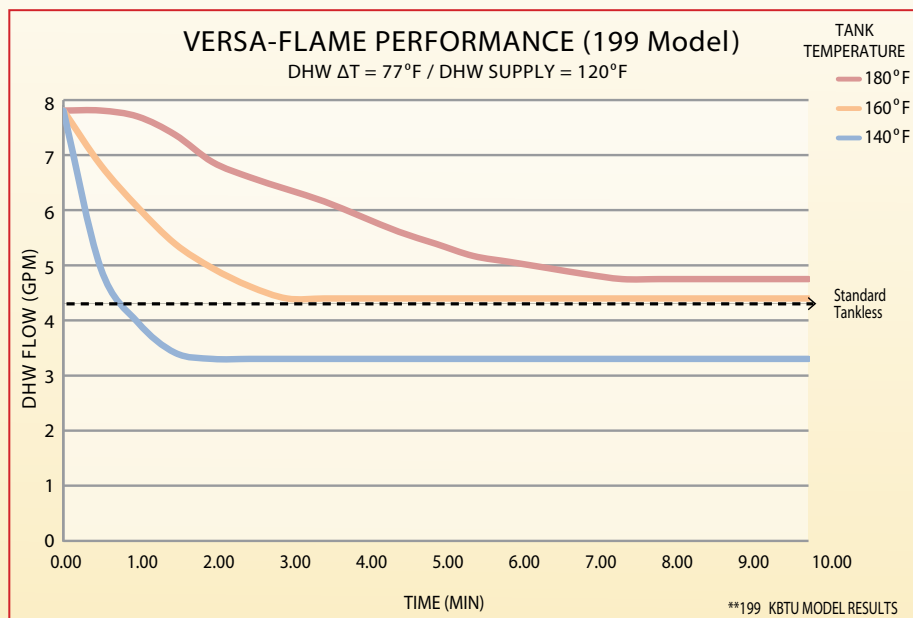


High Efficiency
Combination
**Space Heating &
Endless Hot Water**



Save Energy • **Save Money** • Save Space • Save On Installation

Versa-Flame vs Competition





Condensing Technology Saves!

The Versa-Flame's state of the art condensing technology is up to **95% Efficient**. That means about 95¢ of every heating dollar spent is used to heat your home. Compare that to the traditional non-condensing boilers, where as much as 40¢ of every heating dollar could quite literally be going up the chimney!



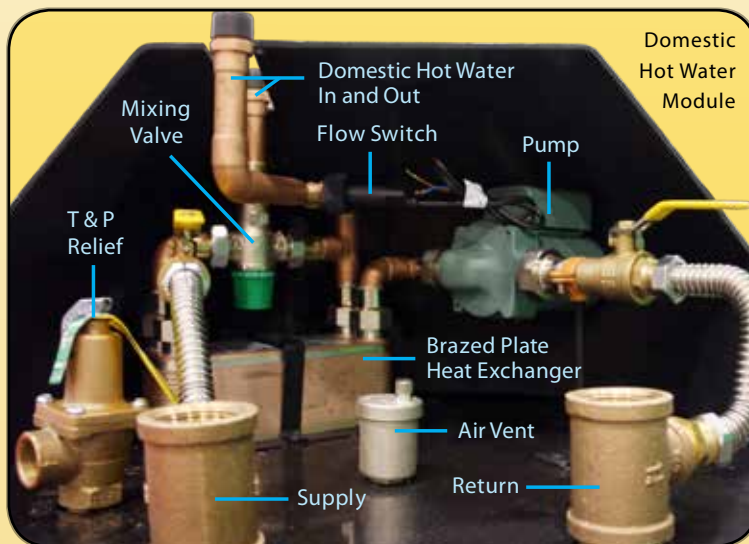
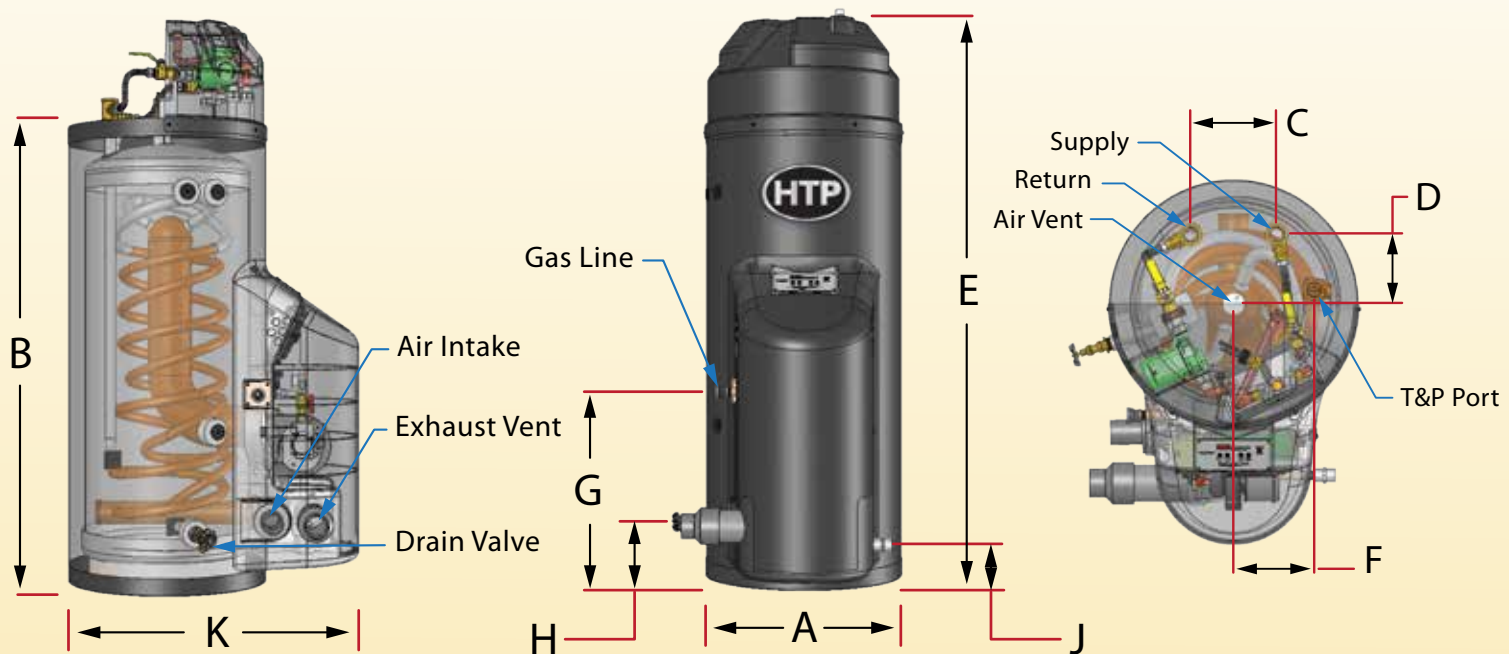
The Versa-Flame Out Performs Standard Tankless Combi Units!

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

Versa-Flame VS Competition

Combi Appliance	HTP Versa-Flame	Competition
Single Loop Design (eliminates need for primary secondary circulation)	YES	NO
High Mass	55 Gallons	NO
Low Pressure Drop	YES	NO

Specifications



Versa-Flame Dimensions									
A	B	C	D	E	F	G	H	J	K
23"	53"	8"	6.5"	64.5"	7.5"	22"	8"	6"	34"

Versa-Flame Specifications			
Supply-Return Sizes	Air Vent	Gas Conn	Vent Size
1.25" NPT	1/8"	3/4" NPT	2" (130) 3" (160, 199)



High Efficiency
Combination
**Space Heating &
Endless Hot Water
Appliance**

12 Year Warranty

Versa-Flame Model	BTU / Input Range	Tank Size	Approx. Shipping Weight	Gallons per minute @ 77° rise	First Hour Rating @ 77° rise	Height	Diameter
PHR-130-55C	35,000-130,000	55 Gallons	310 lbs.	3.2	210 GPH	64.5"	23"
PHR-160-55C	40,000-160,000	55 Gallons	310 lbs.	3.85	250 GPH	64.5"	23"
PHR-199-55C	40,000-199,000	55 Gallons	310 lbs.	4.8	300 GPH	64.5"	23"

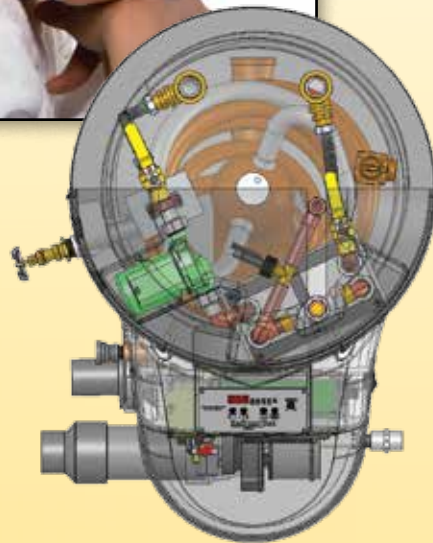
Endless Hot Water

The Versa-Flame Delivers!

Optimal comfort with
up to 4.8 gallons per minute
to multiple outlets delivering
ENDLESS DOMESTIC HOT WATER!

Unique Thermal Mass Design

With a first hour rating of up to 300 gallons
per hour @ 77° rise, the Versa-Flame will fill
a tub faster than any tankless appliance!



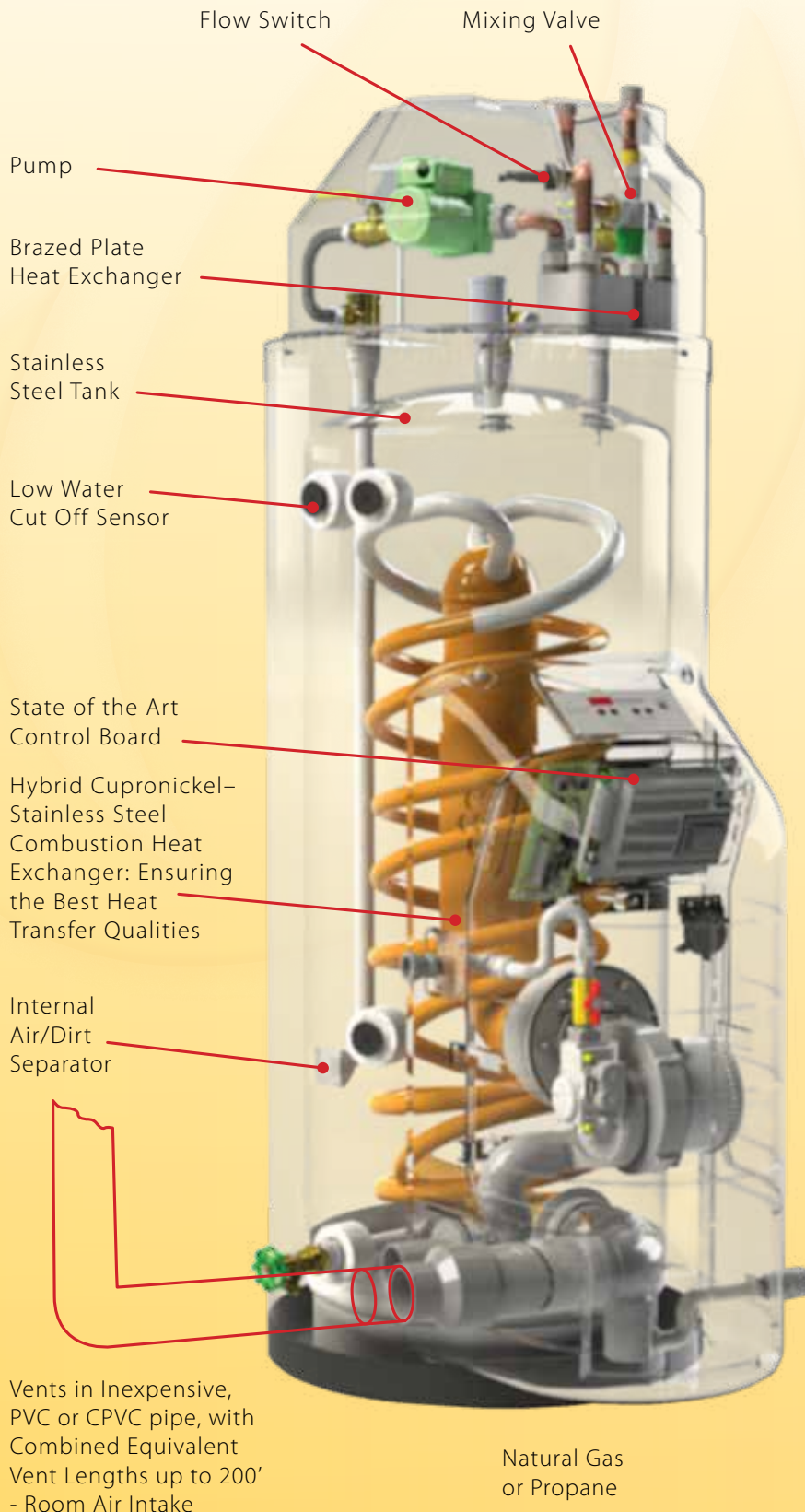
Stop Fighting Over Hot Water!
Run Multiple Hot Water Applications
Simultaneously!



Shower • Sink
Dishwasher
Laundry



Design Features



Long Lasting Stainless Steel

HTP's Versa-Flame uses durable stainless steel tanks eliminating the need for anode rods. HTP is the only company with high-thermal mass in a sanitary stainless steel tank.

Low Maintenance Design: The advanced hybrid cupronickel / stainless steel heat exchanger eliminates scale buildup through rapid thermal expansion / contraction and its "down fire" characteristics allow for rapid removal of acidic condensate.



The Air/Dirt Separator keeps the Versa-Flame operating smoothly. Any air bubbles that enter the tank will hit the separator and escape out of the air vent. Any dirt or debris will fall harmlessly to the bottom of the tank.

Space Heating Advantages

High Efficiency High Mass Space Heating

Hydronic Stabilization

Stored hot water in the stainless steel tank provides a buffer against cycling during low load conditions.

Save Energy with Modulating Technology

Up to 5:1 Turndown

Up to 95% Efficient

PVC Venting Material

Easier installation!

Reduced cost! Up to 200 combined equivalent feet. Intake combustion air can be pulled from in the room.

Single Loop Installation

The heat exchanger is constantly surrounded by water, which protects against "flashing" during low flow conditions and eliminates the need for a primary/secondary piping setup.



Alternative to Mid-Efficiency Boilers

Ample thermal mass eliminates primary/secondary piping. This unit is an easy replacement for mid-efficiency boilers, minimizing the change to piping.

