

# SUPERstor<sup>®</sup> ULTRA<sup>®</sup> MAX



## Stainless Steel Indirect Fired Water Heaters

HTP's Superstor Ultra line has enjoyed great success over the years, maintaining its leadership as the number one selling indirect in the US and Canada. But rather than rest on our success, our partnership with Ariston has pushed us to improve upon these already successful products while continuing to address the ever-evolving demands of the marketplace.

The highly efficient *Superstor Ultra Max* is the culmination of New England manufacturing tradition and the finest in global R&D, incorporating many new features to boost performance while providing reliability and quality.

### Design

- All tanks and coils feature high quality 316L Stainless Steel construction to reduce corrosion and extend tank life
- Highly accurate surface mount thermostat eliminates additional aquastat well welds which fail over the product lifetime
- Top cold inlet, hot outlet, and relief valve connections ease installation
- The top inlet dip tube prevents mixing, ensuring only the hottest water is drawn from the top of the tank
- 2+ inch thick Super Foam insulation allows less than 1/2°F heat loss per hour
- Corrosion free and dent resistant plastic jacket
- Models available in 30, 45, 60, 80, and 119 gallon sizes for residential and commercial use

### Super Flex Heat Exchanger

- Lightweight, corrugated stainless steel heat exchanger allows the coil to flex, minimizing scale buildup and prolonging tank life
- Higher heat transfer - Up to 50% more energy than smooth coil heat exchangers

### Performance

- Improved First Hour Rating
- Extremely low pressure drop
- Virtually maintenance free

### Low Energy Costs

- Generates 50% more hot water than many water heaters of similar size
- When paired with an HTP high efficiency boiler, operating costs decrease further

### Installed Components

- T&P Relief Valve
- Drain Valve
- Surface Mount Control

### Trusted Quality Backed by a Strong Limited Warranty\*

- Standard Residential Use - Ten (10) Years
- Extended Residential Use - Lifetime (with Online Registration)
- Commercial Use - Five (5) Years



### Model Numbers:

**MSSU-30N**  
**MSSU-45N**  
**MSSU-60N**  
**MSSU-80N**  
**MSSU-119N**

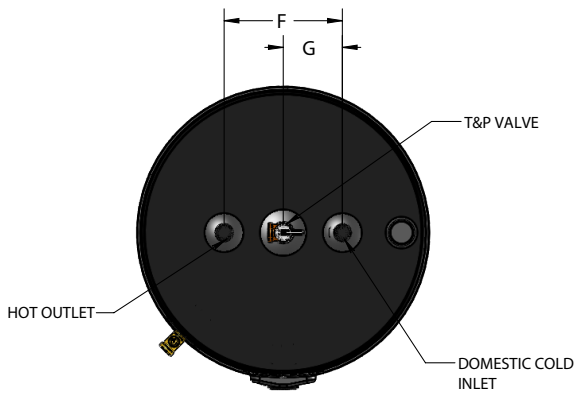
\*Refers to tank coverage against leaks. See product warranty for full details.

Model	Heat Exchanger Surface	Test Pressure	Working Pressure	180° F Boiler Water 1st Hour Rating <sup>†</sup>	180° F Boiler Btuh / Size	Recommended Flow Rate	Pressure Drop at Recommended Flow Rate
MSSU-30N	15 Sq. Ft.	300 PSI	150 PSI	286 Gal.	170,000	14 GPM	5.4 Ft
MSSU-45N				317 Gal.	185,000		
MSSU-60N				340 Gal.	185,000		
MSSU-80N	18 Sq. Ft.	300 PSI	150 PSI	405 Gal.	215,000	14 GPM	2.0 Ft
MSSU-119N				433 Gal.	215,000		

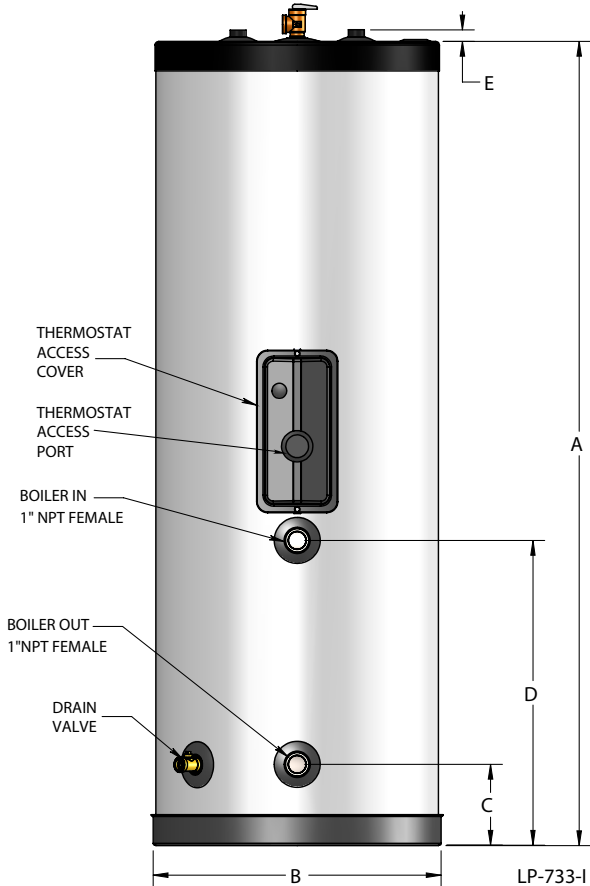
<sup>†</sup>AHRI TEST METHOD BASED ON 77°F TEMPERATURE RISE, 58°F / 135°F W/BOILER WATER AT 180°F NOTE: TANK RECOVERY FROM COLD START WILL BE BETWEEN 10-13 MINUTES WHEN SIZED WITH CORRECT FLOW RATE, BOILER SIZE AND PRESSURE DROP RATINGS FROM LIST IN ABOVE CHART.  
 CONTINUOUS FLOW RATING CALCULATION: FIRST HOUR RATING - (.75 \* GALLON CAPACITY) = CONTINUOUS FLOW RATING.

# Dimensions and Specifications

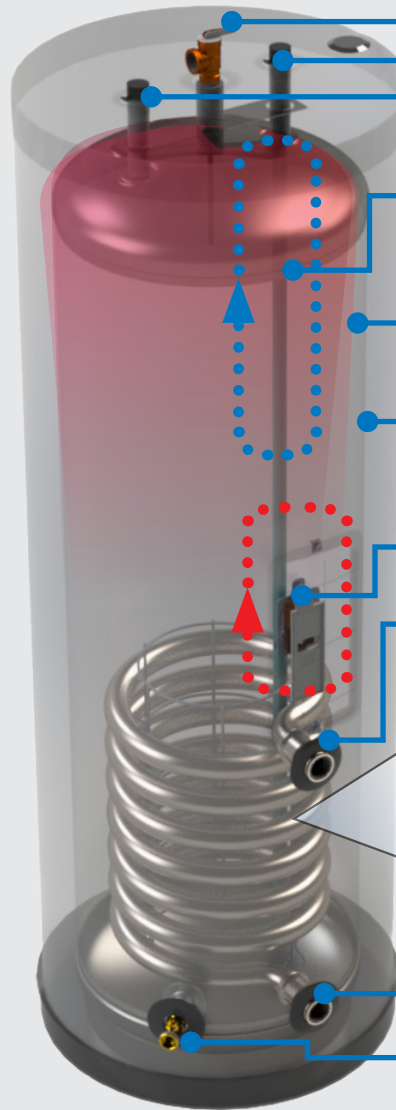
## TOP VIEW



## FRONT VIEW

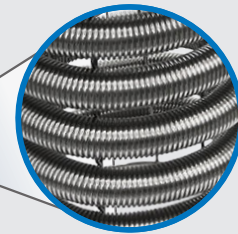


## A Closer Look



### Top Connections

- T&P Relief Valve
- Stainless Steel Inlet Port
- Stainless Steel Outlet Port
- Inlet Dip Tube directs cold water to the bottom of the tank, preventing mixing
- 316L Stainless Steel Tank for high temperatures & corrosion resistance
- Environmentally safe, CFC free, water blown, 2" thick foam insulation allows less than 1/2° F heat loss per hour
- Surface Mounted Thermostat for highly accurate temperature control
- 1" NPT Female Boiler Supply
- 1" NPT Female Boiler Return
- Full Port Brass Drain Valve



The high output corrugated surface 316L Stainless Steel **Super Flex** Heat Exchanger provides maximum heat transfer and efficiency, with increased surface area over traditional smooth tube coils

Model	A	B	C	D	E	F	G	Domestic Ports	Boiler In/Out	Weight
MSSU-30N	42-1/8"	19-3/8"	5-7/8"	21"	1-3/8"	8"	4"	3/4" NPT Male	1" NPT Female	58 lbs
MSSU-45N	54-1/4"									70 lbs
MSSU-60N	52-5/8"	23-1/2"						105 lbs		
MSSU-80N	69"		135 lbs							
MSSU-119N	69"	27-1/2"	8-1/8"	20-1/4"	1-1/2" NPT Male	190 lbs				



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