

TANKLESS GAS WATER HEATERS

CONTINUOUS HOT WATER.* ENDLESS INNOVATION.

U.S. Craftmaster® water heaters give you more choices in tankless gas water heating. The comprehensive line of U.S. Craftmaster tankless gas water heaters supplies continuous hot water at preset temperatures. Condensing models are ENERGY STAR® qualified.

With higher efficiency and innovative design, our tankless products are part of a new era in water heating.

*U.S. Craftmaster tankless water heaters provide continuous hot water when sized appropriately for your home's needs.

THINGS TO CONSIDER BEFORE PURCHASING A TANKLESS GAS WATER HEATER















Tankless gas water heaters have special installation requirements.

1. Gas Supply - A 3/4" or larger gas supply pipe is required except for the GTU-140-NIH and GTU-140-NEH which run off a 1/2" gas line.
2. Venting - Condensing models use 3" or 4" Schedule 40 PVC (solid core).
Non-condensing models require Category III stainless steel venting purchased separately.
3. Gas Meter and/or Regulator - Must have enough capacity to supply all gas appliances in the home.
4. Isolation Valves - Make required periodic maintenance easier.

U.S. Craftmaster has many other high efficiency water heating options available. One of these may be a better choice for your application.

PEAK HOT WATER DEMAND

The next step is to determine how much hot water will be required during the busiest usage period ("peak demand"). To use the chart, consider all appliances and fixtures that use hot water, including lavatory faucets, kitchen faucets, washing machines, dishwashers, showers, and bathtubs. Be sure to determine how many appliances and fixtures will be used at the same time ("peak demand").

MODEL	Warmer Climates 70°F Incoming Groundwater Temperature		Cooler Climates 40°F Incoming Groundwater Temperature	
	Capacity - Number of Shower Heads			
GTU-110	2 Showers		1 Shower	
GTU-310	3 Showers		2 Showers	
GTU-510	4 Showers		2 Showers	
GTU-140	2 Showers		1 Shower	
GTU-240	2 Showers		1 Shower	
GTU-340	3 Showers		2 Showers	
GTU-540	4 Showers		3 Showers	

Assuming the outgoing temperature is 105°F - Assuming a standard showerhead of 2.5 GPM

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ENERGY STAR® QUALIFIED



U.S. Craftmaster® Water Heater Company
500 Princeton Road
P.O. Box 1597 (Mailing)
Johnson City, TN 37605-1597

www.uscraftmaster.com

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Non-Condensing Residential/ Light Duty Commercial Gas, Low NOx

- Category III stainless steel venting is required for indoor models
- Indoor models include remote control and power cord standard
- Outdoor models include remote control as a standard feature
- Commercial Grade Copper Heat Exchanger (510 models only)
- Easy-Link up to 4 units (510 models only)
- 15-Year limited warranty heat exchanger residential
- 5-Year limited warranty parts

Altitude Range: 0-6,000 Feet Above Sea Level

Model Number	Type	BTU Input Natural/Propane		Uniform Energy Factor (U.E.F.)		Estimated Yearly Energy Cost		Hot Water Output (GPM)		
		Minimum	Maximum	Natural	Propane	Natural	Propane	Maximum	45°F Rise	70°F Rise
GTU-110-NI	Indoor	19,500	140,000	0.79	0.79	\$157	\$372	6.6	5.2	3.3
GTU-310-NI	Indoor	11,000	190,000	0.80	0.80	\$236	\$560	8.0	7.0	4.5
GTU-510-NI+	Indoor	11,000	199,000	0.80	0.80	\$236	\$560	10.0	7.3	4.7
GTU-110-NE	Outdoor	19,500	140,000	0.79	0.79	\$157	\$372	6.6	5.2	3.3
GTU-310-NE	Outdoor	11,000	190,000	0.80	0.80	\$236	\$560	8.0	7.0	4.5
GTU-510-NE+	Outdoor	11,000	199,000	0.80	0.80	\$236	\$560	10.0	7.3	4.7

For propane, change N to P in the model number when ordering. Example: GTU-110-NI would become GTU-110-PI.

+ Can be installed in light-duty commercial applications. Includes remote control and can connect up to 4 units.



Non-Condensing Residential/ Light Duty Commercial Gas Ultra Low NOx

- Quick natural gas to propane field convertibility (kit included with heater)
- 15-Year limited warranty on heat exchanger, 5-Year limited warranty on all parts

Altitude Range: Indoor Models: 0-10,100 Feet Above Sea Level, Outdoor Models: 0-6,000 Feet Above Sea Level

Model Number	Type	BTU Input Natural/Propane		Uniform Energy Factor (U.E.F.)		Estimated Yearly Energy Cost		Hot Water Output (GPM)		
		Minimum	Maximum	Natural	Propane	Natural	Propane	Maximum	45°F Rise	70°F Rise
GTU-110-UI*	Indoor	15,000	140,000	0.81	0.81	\$152	\$362	6.6	5.2	3.3
GTU-310-UI*	Indoor	15,000	190,000	0.82	0.82	\$228	\$546	8.0	7.0	4.5
GTU-510-UI*	Indoor	15,000	199,000	0.82	0.82	\$229	\$546	10.0	7.3	4.7
GTU-110-UE*	Outdoor	15,000	140,000	0.81	0.81	\$151	\$362	6.6	5.2	3.3
GTU-310-UE*	Outdoor	15,000	190,000	0.82	0.82	\$227	\$545	8.0	7.0	4.5
GTU-510-UE*	Outdoor	15,000	199,000	0.81	0.81	\$231	\$552	10.0	7.3	4.7

* Field convertible natural gas to propane. Factory configured for natural gas, ships with propane conversion kit.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.



Condensing Residential/ Light Duty Commercial Gas, Ultra Low NOx

- Condensing technology provides significant energy cost savings
- Indoor models feature a built-in temp controller and diagnostics
- Outdoor models include temperature remote control
- Power Direct Vent design
- Complies with low lead plumbing laws
- Commercial Grade Copper Primary Heat Exchanger
- Easy-Link up to 4 units and multi-link up to 20 units (540 models only)
- 15-Year limited warranty heat exchanger residential
- 5-Year limited warranty parts



Suitable for High Altitude Areas. Altitude Range: 0-10,100 Feet Above Sea Level

Model Number	Type	BTU Input Natural/Propane		Uniform Energy Factor (U.E.F.)		Estimated Yearly Energy Cost		Hot Water Output (GPM)		
		Minimum	Maximum	Natural	Propane	Natural	Propane	Maximum	45°F Rise	70°F Rise
GTU-140-NIH	Indoor	15,000/15,000	120,000	0.90	0.90	\$136	\$326	6.6	5.0	3.2
GTU-240-NIH	Indoor	15,000/13,000	160,000	0.94	0.94	\$199	\$476	6.6	6.6	4.3
GTU-340-NIH	Indoor	15,000/13,000	180,000	0.95	0.95	\$197	\$471	8.0	7.6	4.9
GTU-540-NIH	Indoor	15,000/13,000	199,000	0.93	0.93	\$202	\$482	10.0	8.4	5.4
GTU-140-NEH	Outdoor	15,000/15,000	120,000	0.91	0.91	\$135	\$322	6.6	5.0	3.2
GTU-240-NEH	Outdoor	15,000/13,000	160,000	0.95	0.95	\$196	\$471	6.6	6.6	4.3
GTU-340-NEH	Outdoor	15,000/13,000	180,000	0.94	0.94	\$198	\$476	8.0	7.6	4.9
GTU-540-NEH	Outdoor	15,000/13,000	199,000	0.95	0.95	\$197	\$471	10.0	8.4	5.4

For propane, change N to P in the model number when ordering. Example: GTU-140-NIH would become GTU-140-PIH.



Concentric Vent, Non-Condensing Residential/ Light Duty Commercial Gas, Ultra Low NOx

- Quick natural gas to propane field convertibility (kit included with heater)
- 15-Year limited warranty on heat exchanger, 5-Year limited warranty on all parts
- Contractor-preferred concentric venting

Suitable for High Altitude Areas. Altitude Range: 0-10,100 Feet Above Sea Level

Model Number	Type	BTU Input Natural/Propane		Uniform Energy Factor (U.E.F.)		Estimated Yearly Energy Cost		Hot Water Output (GPM)		
		Minimum	Maximum	Natural	Propane	Natural	Propane	Maximum	45°F Rise	70°F Rise
GTU-110C-NI*	Indoor	15,000	140,000	0.79	0.79	\$154	\$371	6.6	4.9	3.1
GTU-310C-NI*	Indoor	15,000	190,000	0.82	0.82	\$227	\$545	8.0	6.9	4.4
GTU-510C-NI*	Indoor	15,000	199,000	0.81	0.81	\$230	\$552	10.0	7.1	4.5

* Field convertible natural gas to propane. Factory configured for natural gas, ships with propane conversion kit.

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