

On-Demand
Gas Water Heaters



Innovation On-Demand



ENERGY STAR® QUALIFIED
MODELS AVAILABLE

A. O. Smith's complete line of tankless gas water heaters

A. O. Smith On-Demand Gas Water Heaters

Endless Hot Water.* Endless Innovation.

Trust the innovation leader to give you more choices in on-demand water heating. A. O. Smith's comprehensive line of tankless water heaters supply endless hot water at a preset temperature. With up to 84% efficiency and increased flow rates, these models save money in both residential and commercial applications.



Product Features:

Innovative Technology

- Indoor and outdoor installation options
- Continuous hot water on-demand (up to 9.8 GPM)
- Whole house water heating solution
- Direct electronic ignition – no pilot light
- On-board diagnostics and safety monitoring
- Interior sealed combustion (Direct-Vent)
- Applicable for residential hydronic heating applications

Excellent Performance

- 12-year limited warranty on heat exchanger in residential applications, 5-year limited warranty on heat exchanger in commercial applications, 5-year warranty on all parts
- Can be installed outdoors, saving valuable indoor square footage

Energy Efficiency

- Up to 84% thermal efficiency providing significant energy cost savings

Sleek Design

- Smooth pleasant lines and rounded corners
- Matching pipe cover available for finished appearance

Commercial Application Features:

- ASME Certified models available
- Hot water capacity of 0.6–9.8 GPM
- Min.–Max. input: 19,000–237,000 BTU
- Max. temperature: 185°F with commercial controller
- Ideal for small restaurants, multifamily housing, hair salons and spas, laundromats, car washes and other limited commercial needs

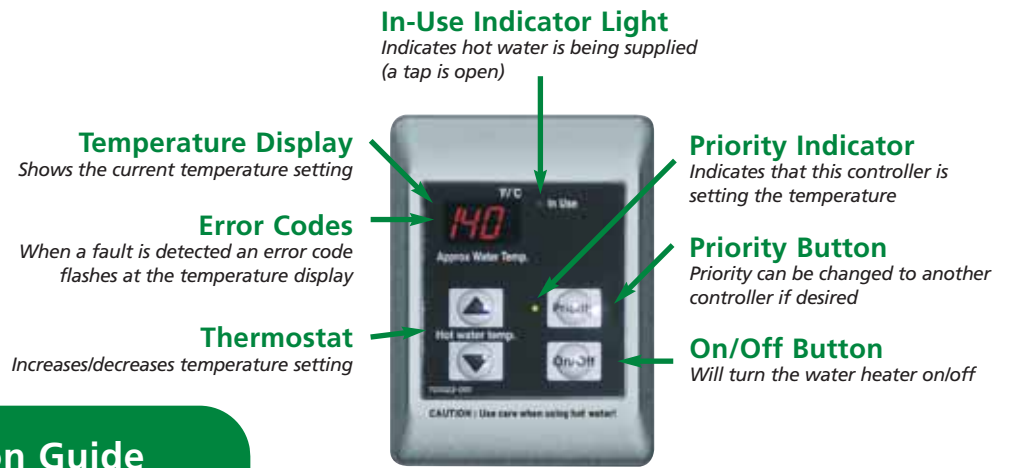
* A. O. Smith tankless water heaters provide endless hot water when sized appropriately for your home's needs.



305 (200/201 Series) and all 505 models

Temperature Controller

All models come with a temperature controller that can set the temperature of the water within a specific range.

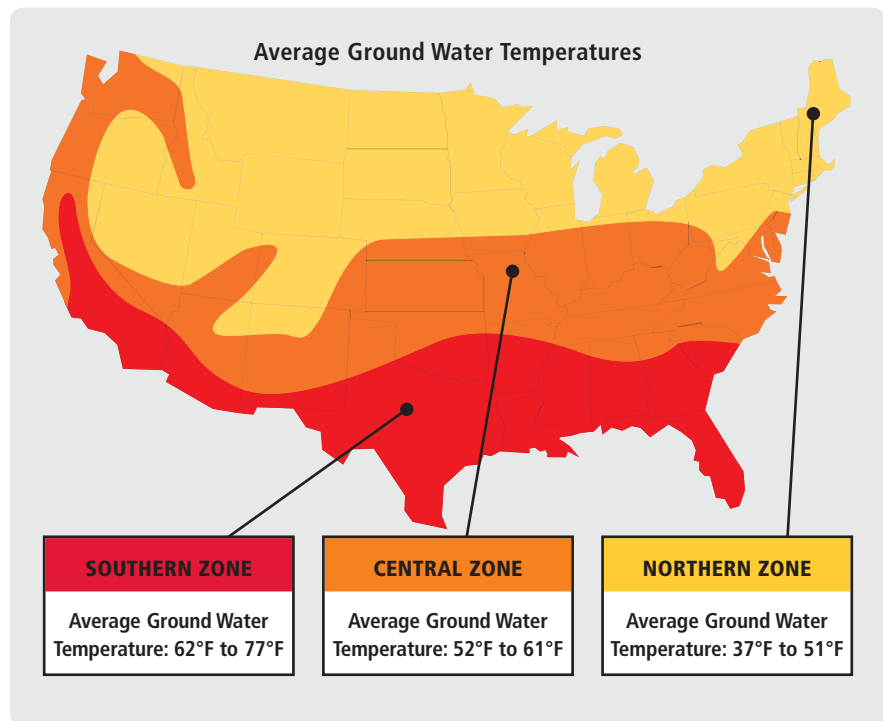


Model Selection Guide

Ground water temperature factor.

The temperature of incoming ground water (cold water inlet temperature) varies greatly throughout the U.S. and also fluctuates with change of season. The temperature of water as it enters the water heater will determine the amount of "temperature rise" required to achieve the desired hot water outlet temperature (120°F is recommended).

The best way to measure your incoming ground water temperature is to use a thermometer to measure cold water temperature during the coldest season of the year. To simplify the process, use this map to determine whether your installation location is in the Southern Zone, Central Zone or Northern Zone.



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").

Appliances or fixtures in simultaneous use during peak demand	Ground Water Temperature Zone		
	Southern Zone	Central Zone	Northern Zone
1	305 or 505	305 or 505	305 or 505
2	305 or 505	305 or 505	305 or 505
3	505 or 705	(2) 505 or 705	(2) 505
4	(2) 505	(2) 505	(2) 505
5	(2) 505	(2) 705	(2) 705
6 or more	Multi-system	Multi-system	Multi-system

**Note: This selection guide is based on 120°F outlet water temperature.*

A. O. Smith On-Demand Gas Water Heaters

Each A. O. Smith on-demand water heater is designed for a specific application. Consult your sales representative or contact A. O. Smith for specifications and recommendations on which model is right for the application.

Model Specifications							
Model Number	BTU Input Natural/Propane		Hot Water Output (GPM)			Energy Factor (E.F.)	Approximate Shipping Weight (lbs)
	Minimum	Maximum	Maximum	45° F Rise	70° F Rise		
INDOOR MODELS							
ATI-305N (200/201 Series)	15,000	180,000	7.5	6.6	4.3	.82	50
ATI-505N (200/201 Series)	15,000	199,000/190,000	9.4	7.4/7.1	4.7	.82	50
ATI-705N	19,000	237,000	9.8	8.8	5.7	N/A	55
ATI-705AN*	19,000	237,000	9.8	8.8	5.7	N/A	55
OUTDOOR MODELS							
ATO-305N (200/201 Series)	15,000	180,000	7.5	6.6	4.3	.82	46
ATO-505N (200/201 Series)	15,000	199,000	9.4	7.4	4.7	.82	46
ATO-705N	19,000	237,000	9.8	8.7	5.7	N/A	55
ATO-705AN*	19,000	237,000	9.8	8.7	5.7	N/A	55

* 705A models are ASME Certified. For propane, change "N" to "P" in model number (ATI-305P).

Up To \$1,500 Tax Credit

Due to a recent extension of residential tax credits for energy-efficient improvements, the models below are now eligible* for a tax credit of 30% of the unit's total cost up to \$1,500.**

Eligible Models						
Model Number	BTU Input Natural/Propane		Hot Water Output (GPM)			Energy Factor (E.F.)
	Minimum	Maximum	Maximum	45° F Rise	70° F Rise	
INDOOR MODELS						
ATI-305N (200/201 Series)	15,000	180,000	7.5	6.6	4.3	.82
ATI-505N (All Series)	15,000	199,000/190,000	9.4	7.4/7.1	4.7	.82
OUTDOOR MODELS						
ATO-305N (200/201 Series)	15,000	180,000	7.5	6.6	4.3	.82
ATO-505N (All Series)	15,000	199,000	9.4	7.4	4.7	.82

* To be eligible, units must be placed into service by December 31, 2010.
 **For more information, visit www.hotwater.com.



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