

## TANKLESS RESIDENTIAL/LIGHT COMMERCIAL MODELS

Fully modulating, gas fired, tankless water heater specifically designed for residential and light commercial applications. Capable of supplying hot water for domestic hot water systems or combination heating and domestic heating applications (local codes dictate proper compliance). Features HRS35 copper alloy and a thicker heat exchanger drum for added durability. Up to four units can be easily linked, using the Easy-Link system, without a multi-unit controller in systems for larger applications.

### FEATURES

#### HEAT EXCHANGER IS CONSTRUCTED OF HRS35 COPPER

- Stronger than standard copper and more resilient against erosion and heat stress

#### CONTINUOUS MAXIMUM FLOW RATES UP TO 10.0 GPM

#### CAN BE USED IN BOTH RESIDENTIAL AND LIGHT COMMERCIAL APPLICATIONS

#### ENERGY STAR® QUALIFIED

#### MODELS INCLUDE REMOTE CONTROL AND POWER CORD AS STANDARD FEATURES

#### EASY-LINK UP TO 4 UNITS

- With no additional parts or accessories needed
- Includes Temperature Controller

#### SAFETY FEATURES:

- Built in Freeze Protection
- Manual Reset Hi Limit (Set at 194°F)
- Overheat Cutoff Fuse
- Inlet, Outlet & Mixing Thermistors for Constant Temperature Monitoring
- Surge Bar Power Supply Connection
- Flame Sensor

#### VENTING AND COMBUSTION

- 4" Category III Stainless Steel
- Air Fuel Ratio Rod
- Vertical or Horizontal Installation
- 50' Max Length, 5 elbows max (90° elbows = 5' equivalent length)
- Power Vent
- Electronic Ignition - No Pilot Light
- 3" Combustion Air Intake (with optional kit)

#### OPTIONAL ACCESSORIES

- Direct Vent Conversion Kits
- Complete Line of Stainless Steel Venting
- Pipe Cover
- Isolation Valve Kits (includes Pressure Relief Valve)
- Concentric Termination Kits

#### WARRANTY

- 15-year limited warranty on heat exchanger in residential applications
- 10-year limited warranty on heat exchanger in commercial applications
- 5-year warranty on all parts



**ATI-510-N  
ATI-510-P**



ANSI Z21.10.3

CSA 4.3

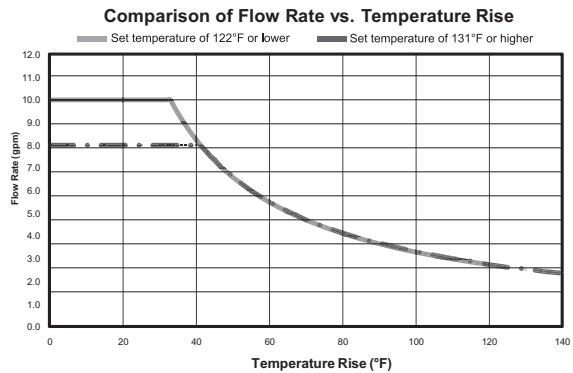
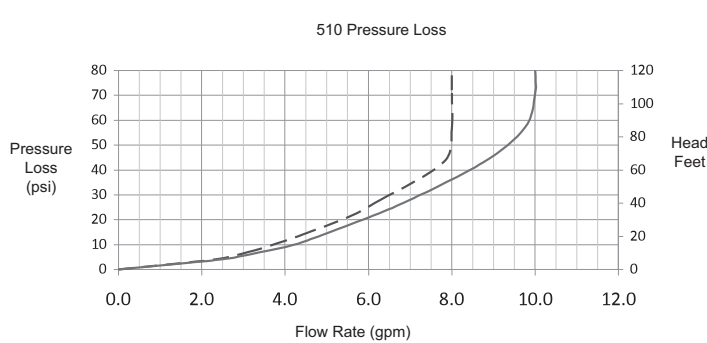


# Residential/Light Commercial Gas Tankless Water Heaters

## TANKLESS RESIDENTIAL/LIGHT COMMERCIAL MODELS

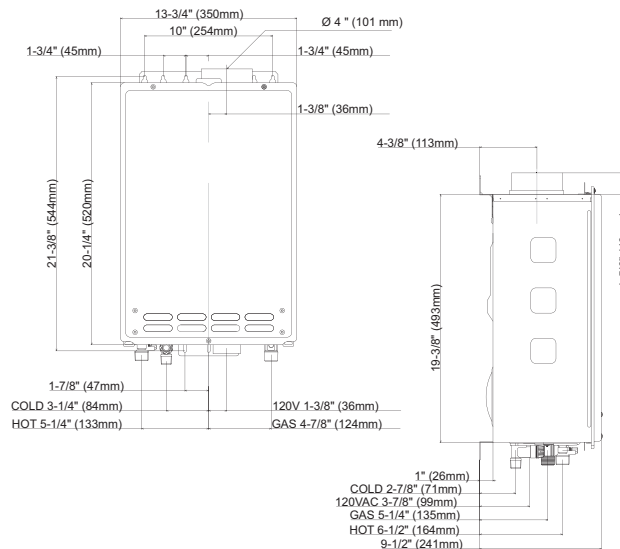
MODEL NUMBER	FUEL TYPE	GAS CONSUMPTION INPUT		ENERGY FACTOR	INLET GAS PRESSURE		MAX GPM*	DIMENSIONS (INCHES)			VOLT	AMP	FLUE**	INTAKE (OPTIONAL)	HOT/COLD GAS CONN.	APPROX. SHIPPING WEIGHT (LBS)
		MIN. BTU/H	MAX. BTU/H		MIN. W.C.	MAX. W.C.		HEIGHT	WIDTH	DEPTH						
ATI-510-N	Natural	11,000	199,000	0.83	5.0	10.5	10.0	20-1/2	13-3/4	8-1/2	120	0.75	4" O.D.	3" O.D.	3/4" NPT	45
ATI-510-P	Propane	11,000	199,000	0.82	8.0	14.0	10.0	20-1/2	13-3/4	8-1/2	120	0.75	4" O.D.	3" O.D.	3/4" NPT	45

All dimension are in inches.  
 15-150 psi water pressure. 40 psi or above recommended for maximum flow.  
 \*Current numbers based on factory testing, 0.4 GPM required for continuous fire after initial ignition.  
 \*\*Category III Required  
 Pressure only relief valve requires (Min. 200,000 BTUs. 150 PSI).



### DIMENSIONS

CLEARANCES: Top 12", Bottom 12", Front 24", Back 1", Sides 2"



### Specification

Water heater(s) shall be Model \_\_\_\_\_ as manufactured by A. O. Smith. The water heater(s) shall be a copper coil integral fin and tube construction with quick release brass or bronze waterways. Heater(s) will be factory assembled and tested. The heater shall be vented with 4" Stainless steel Category III vent pipe a distance not to exceed 50' (equivalent) feet terminating vertically or horizontally as prescribed. Intake air with optional direct vent kit may be of such material as ULC s636 PVC or CPVC, galvanized B-Vent, corrugated aluminum or stainless steel or Category IV stainless steel not to exceed a total of 50' (equivalent). The heater(s) shall be controlled by onboard solid state printed circuit board monitoring incoming and outgoing temperatures with factory-installed thermistors, sensing and controlling flow rate to set point temperature with control both air and gas mixture inputs to maintain thermal combustion efficiency. Unit also consists of, inline fusing, spark ignition and sensor system, aluminized stainless steel burners, air-fuel ratio rod, Hi limit switch, modulating and proportional gas valves, freeze protection sensor and heating blocks and overheat cutoff fuses. The water heater(s) shall be CSA listed, exceeds the energy efficiency requirements of ASHRAE 90. 1b-1992.

For Technical Information call 1-888-479-8324. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.