Genesis®

9 Models 400,000 BTUs to 2.07 Million BTUs,
up to 85% Efficient
85% Efficient, Space-Saving Water Heaters.

The Genesis® water heater line offers one of the best all-around values in the industry, for a wide variety of water heating applications. Through continuous innovation, A. O. Smith has refined Genesis® technology and expanded the range of available inputs. Genesis® boilers are now available from 399,000 BTUs through 2.07 million BTUs, with features and benefits that include...

- 85% thermal efficiency… the highest possible efficiency for a non-condensing boiler
- The heat exchanger features glass lined headers and copper-finned tubes with extruded integral fins spaced 7-fins per inch for exceptional heat transfer
- Venting flexibility for installation versatility
- Compact “stackable” design packs maximum water heating power into minimum space
- Models available for indoor or outdoor installation

Genesis Model GWH2100 (2.07 million BTUs) shown
A. O. Smith Engineering Delivers Everything You Want in a Non-Condensing Low NOx Boiler

Electronic Control provides remote tank temperature sensing and +/- 1° tank temperature control. Controls the factory furnished pump to assure maximum heat transfer and reduce stand-by heat loss.

Ceramic Fiber Combustion Chamber Rated for temperatures up to 2300°F.

Copper Finned Tube Heat Exchanger
- Copper-finned design delivers superior heat transfer and energy efficiency
- Copper is lightweight, immune to rust and thermal shock

Electronic Control

Ceramic Fiber Combustion Chamber

Multi-Stage Firing

Pressurized Combustion System
Clean burning Stainless Steel Premix Burners for smooth ignition, clean combustion and low NOx that meets or exceeds the most current NOx requirements

Stackable Design for “Mini-Footprint” Installation
With the optional Stack Rack, two Genesis® boilers can be installed in the same floor space as one!

Hot Surface Ignition

Combustion Air Blower with Air Shutter Adjusts to the application for maximum efficiency.

Unique gasketless glasslined header design eliminates gaskets and O-rings.
**Standard Vent or Direct Vent Versatility!**

Genesis® boilers provide multiple options for exhaust venting and standard indoor atmospheric or direct-from-outdoors (direct vent) intake of combustion air. Sidewall vent and intake runs can save substantially on installation costs where vertical runs are not practical. Direct vent operation utilizes a 2-pipe system that allows clean, uncontaminated outside air to be pulled directly into the unit, and is an ideal choice when negative indoor air pressure is a concern.

**Multiple Venting Options**

The Genesis models offer eight venting options to meet the most challenging installation requirements. The Genesis can vent vertically in Category I with double wall “B” vent or horizontally in Category IV with AL29-4C stainless steel vent material. Vent termination can be Rooftop or Sidewall with combustion air drawn naturally from the equipment room or via dedicated air intake piping. And if floor space is limited, the Genesis water heater can be installed outdoors with an optional Outdoor Vent Cap.

Note: For the most current Genesis venting distances/information, consult the Genesis Product Manual, available through your local A. O. Smith representative, or online at www.hotwater.com.
Burkay® Genesis® Water Heaters
up to 2.07 Million BTU

With Ac-U-Temp, A. O. Smith makes it easy as possible to install a complete packaged hot water supply system, combining 85% efficient, non-condensing Genesis® Water Heater with A. O. Smith storage tanks up to 10,000 gallons. Each Ac-U-Temp system is custom-made to your specifications for each application, and shipped fully assembled, pre-piped and pre-wired. All the installer has to do is make the flue, gas, electrical and water connections, so field errors are eliminated.

Consult your A. O. Smith representative for more information on the wide range of available Genesis Water Heater/Storage Tank combinations using the Ac-U-Temp system.
Common Piping Method
Two Genesis Water Heaters with A. O. Smith Storage Tank