

**No.:** AOSRG84019

**Date:** 8/28/12

## **New, Residential High Input, 50-Gallon Ultra-Low NOx Gas Water Heater**

We are pleased to introduce our new High Input 50-Gallon Ultra-Low NOx (ULN) atmospheric vent residential gas water heater. This model is an addition to our current Ultra-Low NOx atmospheric vent water heater offering that meets the ULN emissions (less than 10 ng/j) required by SCAQMD and other Air Quality Management Districts with similar requirements for low NOx emissions.



This model ships from the factory with side loop fittings that allow for easy connection to hydronic heating installations and other re-circulating loop applications. The input rating on this model is 50,000 Btuh which provides the extra heating capacity for large homes and high demand applications. This model has a 2" foam cavity and has an Energy Factor of .59EF.

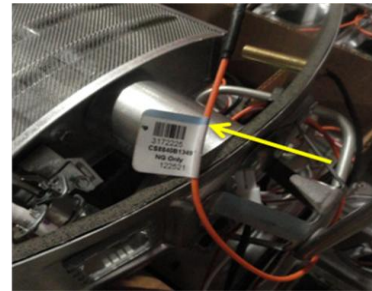
This new model is designed to operate using the Honeywell control system. This technologically advanced control enhances operating parameters by utilizing tighter differentials for precise sensing and faster heating response to optimize performance. This gas control is a self-powered valve that uses a thermopile to generate the power required to hold the pilot valve open and the added power needed to operate the electronics. This is all accomplished without an external power source.

The model number is GCNT-50 and we will begin production of this product September 5th. We have added this model to the existing ULN spec sheet and it can be found on our website at [www.hotwater.com](http://www.hotwater.com).

Please note that this high input model does use a different gas control & pilot assembly from the other atmospheric vent Ultra Low NOx (ULN) models, we currently offer. We have added a differentiator (labeling) to the gas control and pilot assembly that will help match the correct components for servicing. On this model the label on the right side of the gas control will have a blue band on the top section of the label.



This will match the label on the ignitor wire coming from the pilot assembly. The label on this part will also have a blue band on the top section of the label. See the photos to the right for the visual differentiating labeling on these components. Additionally we have added similar labeling to the other ULN models with the exception of the color code being yellow for the standard Btu input ULN products.



Please visit our website to look up parts or print the specification sheets for this new model at [www.hotwater.com](http://www.hotwater.com).

Should you have questions, please feel free to contact me or your A. O. Smith Representative.

Sincerely,

A handwritten signature in cursive script that reads "Cliff Deidiker".

Cliff Deidiker  
Residential Product Manager  
(615) 792-6275