



AIR CLEANING EQUIPMENT INC
303 N Main St • Broadway NC 27505 • 800-962-0650

WWW.INDUSTRIALAIRTREATMENT.COM

Gas Fired Steam

Sterile Steam Humidification
For Ducted or Direct Space Application
Information – Specifications

• Gas Fired Steam ACE – Neptronic SKG 3000 Steam Humidifier



Neptronic Gas Fired Steam Humidity Control

automatically maintains your desired relative humidity (e.g. 45% @ 72°F)

Operational Features

- **Uses Natural or Propane Gas**
91% LHV combustion efficiency.
- **110 to 810 lbs/hr Capacities**
Modulation range for maintaining set point humidity with minimal variation.
- **One Third Operational Footprint**
Verses all other equivalent capacity systems.
- **Uses Domestic or RO/DI Water**
With automatic de-scaling process.
- **Simplified Maintenance**
Evaporation tank removed, cleaned and re-installed in 5 minutes.
- **Auto Programmable**
For drain and maintenance cycle.



SKG 3000 Display



Ease of Communication

Remote communication using BACnet for remote changing of variables such as set points, PID parameters and receiving comprehensive maintenance messages.

Operation

On a call for humidity, the combustion air blower creates a negative pressure across the valve orifice located at the air inlet. The gas valve opens and the gas/air mixture is forced through the burner port and is ignited. Heat from the product of combustion is transferred to the water, by means of the heat exchanger, to produce steam and the products of combustion are vented out of the flue. The burner then begins to modulate based on demand.