

# 4 Step Process

## BEFORE INSTALLING THE GF5500 STEAM HUMIDIFIER

### 1 Calculating Gallons Per Day

Follow the formula below to understand the GPD needed for your home.

Total Square Footage (including Basement) x Average Ceiling Height = Number  
 That Number x **Relative Humidity** x 1.05 per Fireplace in Home = Humidity Load (PPH)  
 Humidity Load x 2.88 (GPD conversion) = Desired Gallons Per Day

Please reference section 1.3 of the Installation Manual for more clarity on GPD calculation

Indoor Air Temp	Indoor Relative Humidity Percentage			
Temp (Celsius)	35%	40%	45%	50%
20	0.00015	0.00018	0.00021	0.00024
21	0.00017	0.00020	0.00023	0.00026
22	0.00019	0.00022	0.00025	0.00028

Use this chart to identify your RH (**Relative Humidity**) and Furnace Heat running temperature.

### 2 Test the (Municipal, especially Lake or Well) Water Conductivity Using the AP-2 Conductivity Tester

Follow these steps to ensure 5500 Steam Humidifier can be installed.

1. Fill a glass with one cup of water from the steam humidifier water supply (Figure A).
2. Turn the AP-2 tester on. Insert the tester into the glass of water (Figure B).
3. Ensure that GF5500 Steam Humidifier can be used by correlating results with GF5500 specifications.



**GF5500 Specifications**  
 Conductivity Range: 125 to 1250 µS/cm  
 Conductivity: Regular  
 Replacement Cylinder: GF55



Figure A

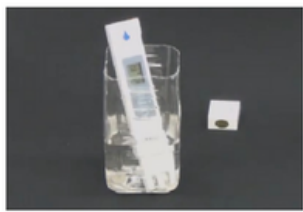


Figure B



Aquapro Digital Water Tester (AP-2)

### 3 Follow Section 4.4 in Install Manual to Configure 5500 for Amps/Voltage

Visit our website ([www.GeneralAireIAQ.ca](http://www.GeneralAireIAQ.ca)) or check your physical copy of the GF5500 Installation Manual and proceed to section 4.4 (Page 20) titled "Initial Configuration"

*If Necessary: Change Maximum Production, follow Section 5.3 (Page 23)*

### 4 Use RMB when an application does not have duct work or an air handler unit.



RMB15  
Remote Mount Blower  
110V



RMB35  
Remote Mount Blower  
230V