

# Specification Sheet

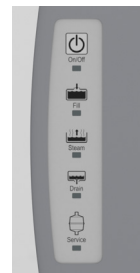


## Model 800/800LC Steam Humidifier



### Features

- **Internal control board** – Manages the complete operation of the humidifier. Fills and drains to maintain proper amperage draw and water level and notifies when service is required.
- **Superior dispersion and absorption** – “Dispersion tubelets” deliver the hottest, driest steam to the air, preventing condensation in the duct
- **Display panel** – Illuminated LEDs show unit operation (fill, drain, steam), diagnostics, and when the canister needs to be replaced
- **Versatile mounting options** – Remote and duct-mounted options. Fan Pack option also available (see Model 865).
- **Water level sensor** – Manages the water level in the steam canister to prevent overfilling
- **Back flow protection** – Air gap in fill cap prevents pressure buildup
- **Automatic drain and fill cycle** – Unit flushes and fills periodically to maintain the proper conductivity
- **End-of-Season drain** – After 72 hours without a humidity call, unit automatically drains and enters standby mode
- **Operating time monitor** – Accumulates actual humidifier run time to activate periodic drain and fill cycles and monitors the life of the canister
- **Drain water tempering** – Unit uses cold inlet water to temper canister drain water, protecting PVC piping and condensation pumps
- **Easy to maintain** – Canister does not require cleaning or scrubbing— simply remove it and replace. Replace electrode wires every three years.



### Specifications

<b>Unit dimensions</b>	10 1/8" W x 20 7/8" H x 7 1/8" D
<b>Weight - unit only/ operating weight</b>	23 lbs 27 lbs.
<b>Drain water temperature</b>	Drain water not to exceed 140°F. Tempered with cold fill water.
<b>Installation accessories included</b>	Steam dispersion tube, 6 ft. commercial grade steam hose, 10 ft. drain hose, clamps/hardware
<b>Supply water conductivity</b>	125 to 1250 µS/cm
<b>Supply water pressure range</b>	25 to 120 psi
<b>Supply/drain connection</b>	Supply: 1/4" copper compression fitting Drain: 7/8" for flex hose
<b>Electrical characteristics</b>	Voltage: 120, 208, or 240 VAC Amp Draw: 11.5 or 16 amps

### Principle of Operation

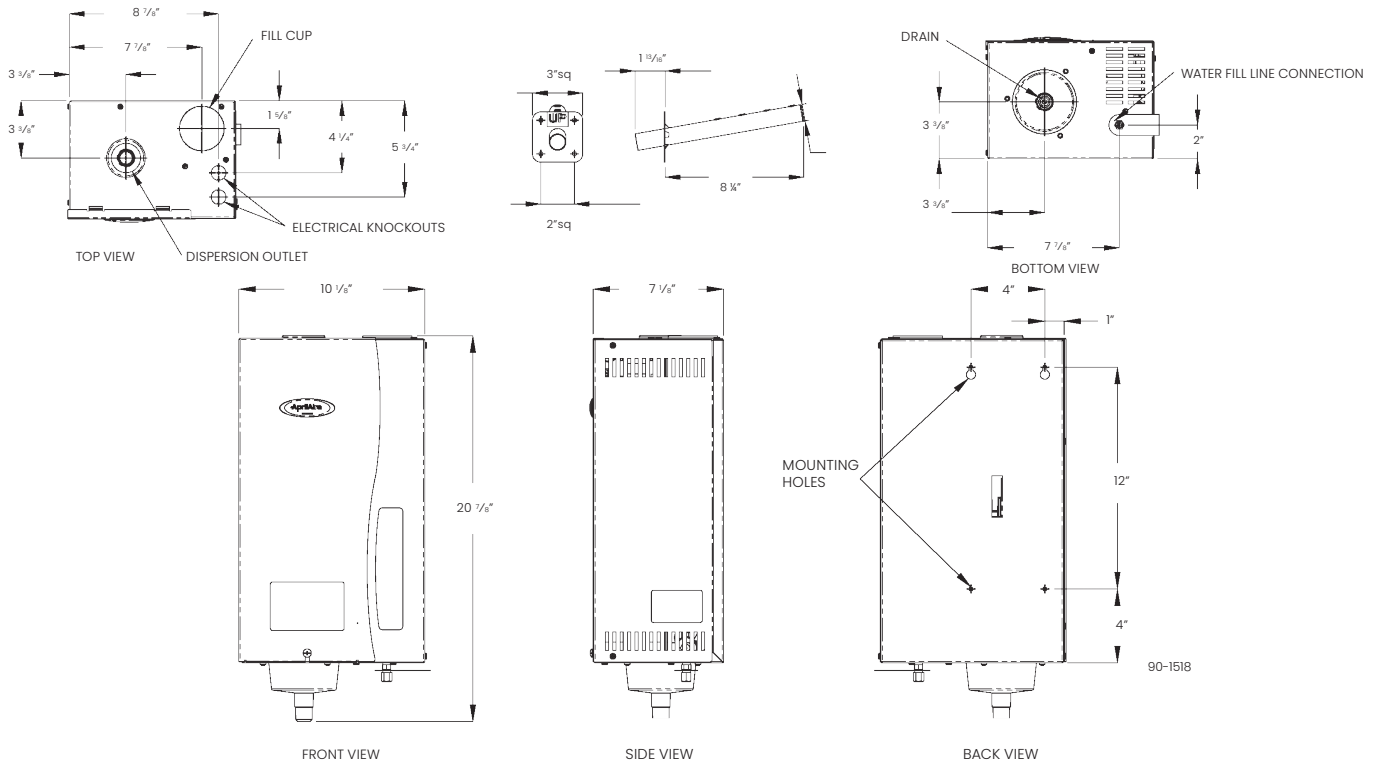
The AprilAire Steam Humidifier delivers humidity to a home's conditioned space through the use of the HVAC system ductwork. The humidifier operates utilizing electrode technology: current flowing between two electrodes in the disposable steam canister boils water to generate steam. Drain and fill valves in the humidifier work together to maintain the correct water level in the canister to satisfy the demand for humidity based on the electrical conductivity of the water.

### Model Selection Based on Water Conductivity

Conductivity	Hardness	Water Characteristic	Recommended Model Installed at 208/240VAC
75-100	0-3	Naturally Soft	Model 800LC
100-300	3-9	Naturally Soft	Model 800LC
300-500	9-15	Slightly Hard	Model 800
500-650	15-20	Moderately Hard	Model 800
650-850	20-25	Hard	Model 800
850-1250	25-36	Very Hard	Model 800
Above 1,250	Above 36	Extremely Hard	Installation Not Recommended

Steam Capacity Gallons/Day	Voltage	Hertz	Current Draw	
			Amps	kW
11.5	120V	60 Hz	11.5	1.4
16.0			16.0	1.9
20.5	208V	60 Hz	11.5	2.4
30.0			16.0	3.3
23.3	240V	60 Hz	11.5	2.8
34.6			16.0	3.8

## Dimensional Information



## Accessories

### Model 62 Automatic Digital Humidifier Control

- Large backlit display
- Continuous 24/7 RH monitoring
- Automatic control with outdoor sensor
- Built-in blower activation
- Status lights



### Model 4991 Steam Distribution Tube, Model 4974 Drain Tube, Model 4973 Steam Hose, and Model 4001 Saddle Valve

- Stainless steel design won't corrode
- Steam Tublets™ designed to distribute steam over a wide area in the duct and direct any condensed moisture back into the steam hose.



### Model 62 Specifications

<b>Dimensions (W" x H" x D")</b>	6 x 4 1/4 x 1 1/2
<b>AC Power</b>	24 VAC (18-30 VAC) at 60 Hz
<b>Power Consumption</b>	0.08A @ 24 VAC
<b>RH Setting Range</b>	10%-45%, Off (45%: max humidity)
<b>Humidity (RH)</b>	Control Accuracy: ±3% Control Range: 0% to 45% Differential: 3%
<b>Control Options</b>	System Setting: Auto or Manual Blower Activation: On or Off

## Annual Maintenance

- Replace canister and O-ring annually
- Clean drain valve and fill valve screen annually
- Inspect electrode wires annually and replace every 3 years or as needed



80/80LC



5768/7000028 Maintenance Kit