

**LENNOX**

ENGINEERING DATA

**HUMIDISTREAM™ POWER HUMIDIFIER****14.5 to 24.0 gpd (55 to 91 lpd) Capacity**

Bulletin No. 210268

November 1999

**FEATURES****Applications**

- Applicable to most forced air installations.
- Installs on the supply air plenum.
- Provides additional humidity to the home during the heating season to increase comfort level.
- Humidifier, saddle valve, humidistat and transformer shipped in one package.

**Warranty**

- All covered components have a limited warranty for two years in residential applications.
- Refer to the Lennox Equipment Limited Warranty certificate included with the unit for additional details.

**Approvals**

- Units are UL and ULC listed.

**Sequence of Operation**

- Humidifier will only operate when indoor blower is operating
- When the level of moisture in the return air or living space area drops below the set point of the humidistat, the water solenoid valve opens, water flows into a distribution tray and trickles down through evaporator pad, fan draws air in through the moistened evaporator pad and forces the humidified air back into supply air stream. When the humidistat is satisfied, the water solenoid valve closes and the fan turns off.

**Cabinet**

- Rugged, corrosion resistant molded plastic.
- Motor and electrical service access located on front of cabinet in separate compartment.
- Front of unit lifts off to access the evaporator pad and internal plumbing.

**Evaporator Media Pad**

- Provides large evaporation capacity.
- Pad and support frame removable for cleaning or replacement.
- Annual pad replacement recommended.

**Drain**

- 1/2 in. (12.7 mm) drain fitting at bottom of cabinet.
- Unused water from the evaporator pad is drained from the unit to help remove mineral deposits left from the evaporative process.

**Mounting**

- Requires minimum 14 in. (356 mm) wide sheet metal supply air plenum for vertical plenums.
- Requires minimum 17 in. (432 mm) high sheet metal supply air plenum for horizontal plenums.
- Optional mounting kit required for duct board applications. See Optional Accessories.

**Saddle Valve**

- All necessary fittings furnished as standard equipment.
- Field installs in the water supply line.

**Transformer**

- 12VA (120/24 VAC) furnished for field installation.

**Humidistat**

- Can be mounted on wall (horizontal or vertical) or duct.
- Provides automatic control of room relative humidity.
- Wired in series with the humidifier water solenoid valve.
- Adjustable setting.

**Water Supply**

- Consists of supply tubing assembly, fluid restrictor, distribution tray, cleanable/replaceable internal mesh strainer and 24 volt brass water solenoid valve.

**Motor**

- Thermally protected.
- Permanently lubricated for long life.
- Factory installed in molded plastic housing for protection against moisture.

**OPTIONAL ACCESSORIES****Mounting Kit (98N31)**

- Used to mount humidifier to duct board plenum.

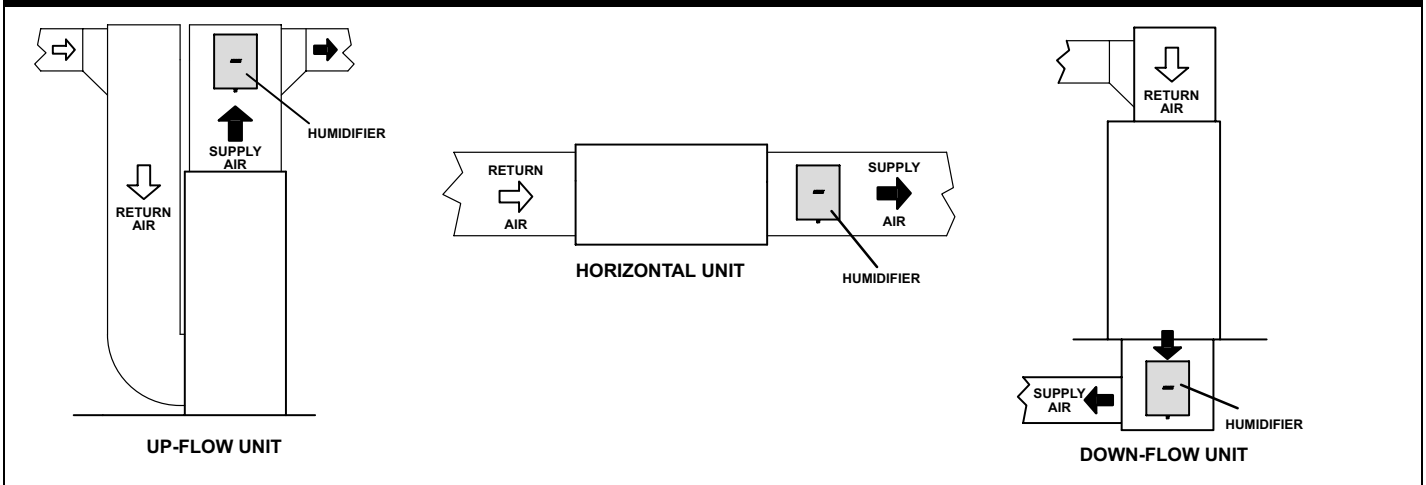
**Replacement Media (98N29)**

- Recommended annual replacement of media pad.

## SPECIFICATIONS

Model No.		WP1-19		
Capacity	Supply Air Temperature	140°F (60°C)	120°F (49°C)	100°F (38°C)
	Gallons per day (liters per day)	24.0 (91)	19.0 (72)	14.5 (55)
Evaporator pad size - in. (mm)		14 x 9 x 2 (356 x 229 x 51)		
Plenum Connection - in. (mm)		12 x 15 (305 x 381)		
Water supply connection - in. (mm)		1/4 (6) compression		
Drain connection - in. (mm)		1/2 (12.7) I.D.		
Electrical connection		Power cord with 3 prong plug		
Electrical characteristics		120v — 60hz — 1ph		
Shipping weight - (1 pkg.)		17 lbs. (8 kg)		
OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA				
Mounting Kit - for duct board applications		98N31		
Replacement Media		98N29		

## TYPICAL APPLICATIONS



## DIMENSIONS - INCHES (MM)

