

# WBI-14

## HUMIDISTREAM™ BY-PASS HUMIDIFIER

### 10.4 to 14.0 gpd (34 to 53 lpd) Capacity

Bulletin No. 210269  
November 1999

**FEATURES****Applications**

- Applicable to most forced air installations.
- Installs on the return or supply air plenum with a by-pass duct from the opposite plenum of a forced air system.
- Provides additional humidity to the home during the heating season to increase comfort level.
- Humidifier, saddle valve and humidistat 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.

**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 distribution tray and trickles down through evaporator pad, air is pulled through the by-pass duct, then evaporator pad and back into the air stream. When the humidistat is satisfied the water solenoid valve closes.

**Cabinet**

- Rugged, corrosion resistant molded plastic.
- Switching the side panels converts unit to left or right by-pass duct connection.

**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 10 in. (254 mm) wide sheet metal plenum.
- 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.

**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.

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

- Used to mount humidifier to duct board plenum.

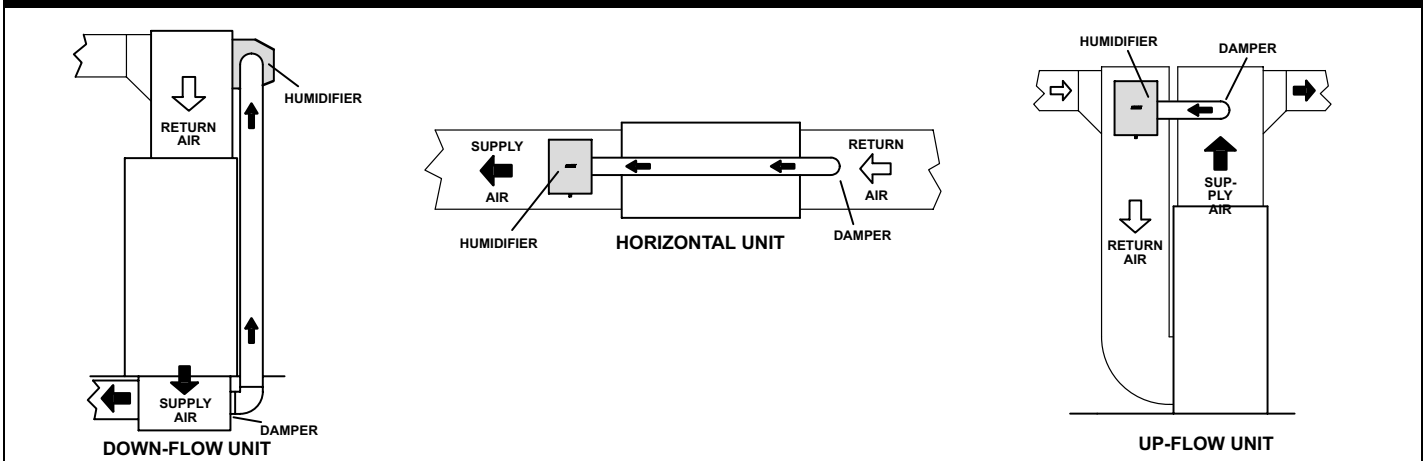
**Replacement Media (98N30)**

- Recommended annual replacement of media pad.

## SPECIFICATIONS

Model No.		WB1-14					
Plenum Connection		Supply			Return		
Capacity	By-Pass Air Temperature	140°F (60°C)	120°F (49°C)	100°F (38°C)	140°F (60°C)	120°F (49°C)	100°F (38°C)
	Gallons per day (liters per day)	12 (45)	12 (45)	9 (34)	14 (53)	12 (45)	10.4 (39)
Plenum Connection - in. (mm)		8-5/8 x 10-3/4 (219 x 273)					
By-Pass Duct Connection - in. (mm)		6 (152) (round)					
Evaporator pad size - in. (mm)		11 x 9 x 2 (279 x 229 x 51)					
Water supply connection - in. (mm)		1/4 (6) compression					
Drain connection - in. (mm)		1/2 (12.7) I.D.					
Electrical characteristics		24v					
Shipping weight - (1 pkg.)		6 lbs. (3 kg)					
<b>OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA</b>							
Mounting Kit - for duct board applications		98N31					
Replacement Media		98N30					

## TYPICAL APPLICATIONS



## DIMENSIONS - INCHES (MM)

