Humidity Source
Quality, Selection, Support

INSTALLATION AND MAINTENANCE INSTRUCTIONS

MODEL WF-HP-226

NOTE: MAXIMUM STATIC AIR PRESSURE ALLOWED AT SUPPLY IS .25" H_2O.

1. Choose a mounting location, with a 6 ft. minimum straight unobstructed downstream run, on the side of a 12 inch minimum width by 12 inch minimum height supply or return duct. See Fig. F.

2. Place the mounting plate against the duct at the mounting location and scribe the (2) large air tube holes and (11) mounting screw locations on the duct.

3. With a straight edge scribe a 3 inch wide by 8 inch high rectangle enclosing the (2) large circles on the duct and cut out this rectangle.

4. Drill (2) 9/32 inch diameter holes at the two top screw hole locations and drill the remaining (9) screw hole locations with a #30 drill.

5. Assemble the mounting plate to the duct with (2) ¼ -20 screws and nuts and (9) #10 sheet metal screws.

6. Slide the intake tube with a tube seal onto the reservoir air intake tube oriented such that when the humidifier is assembled on the mounting plate the intake end of the elbow will be facing directly into the duct air flow. Slide the extension tube onto the dome and seal the joint with the supplied rubber seal band as shown in Fig. B. This extension tube must be tilted upward approximately 5^{o} to prevent water from dripping into the duct.

7. Insert (3) rubber feet in the bottom of the mounting plate, with rubber bumper up, and attach nuts to the feet. Tighten the front nut and leave the (2) rear nuts loose.

8. Place the reservoir on the mounting plate while slipping the air intake tube through the lower hole in the mounting plate. Again, make sure the intake tube faces the duct air flow.

9. Connect water supply line to float valve as illustrated in Fig. C. Turn on water valve and adjust the water level to ½" below the overflow port by adjusting the float position with the adjusting screw. See Fig. D

10. Place the atomizer unit in the reservoir with its electrical cord located in the notch provided in the reservoir lip. Place the dome on the atomizer unit while slipping its extension tube through the upper hole in the mounting plate. Attach the dome strap assembly. See Fig. A.

11. Adjust the reservoir so that it touches the front rubber foot. Slide the tube seals up to the mounting plate. Move the two rear rubber feet so they touch the reservoir, holding it in place. Tighten the rear nuts.

12. Provide a receptacle in a convenient location and make necessary electrical connections as indicated in the schematic wiring diagram in Fig. E.

13. If the water has a high concentration of minerals, a Humidity Source reverse osmosis unit may be required.

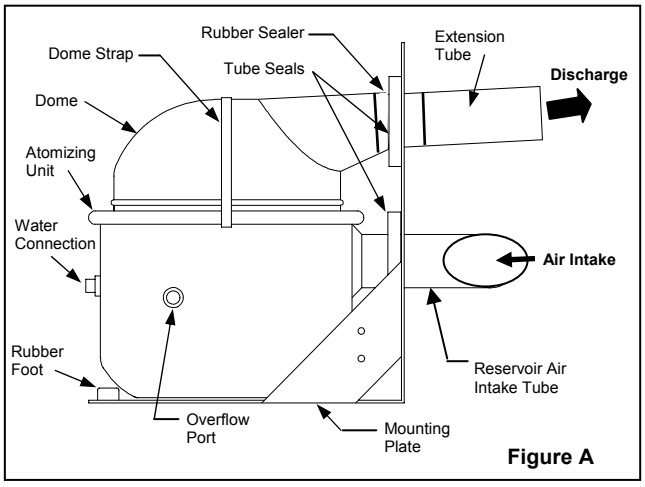


Figure A

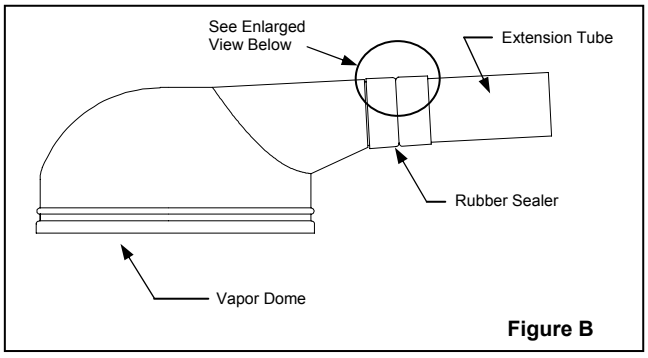


Figure B

Slip rubber sealer end of extension tube all the way over vapor tube of dome. Peel top layer of rubber sealer off the extension tube and on to the vapor tube.

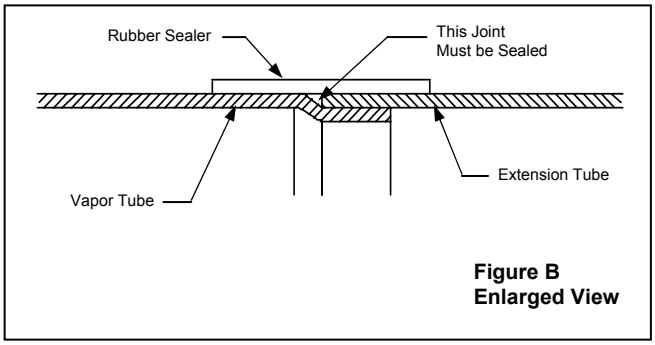


Figure B Enlarged View

Be sure that the rubber seal over laps the extension tube and the extension tube overlaps the vapor tube as shown in the illustration above.

Positive capacity atomizing humidifiers produce moisture that will quickly evaporate in the air stream, provided there is no impingement of water particles against barrier surfaces before the water is completely absorbed by the air in the duct. Strict attention to minimum clearance dimensions must be adhered to in order to avoid condensation in the duct.

Float Assembly Details

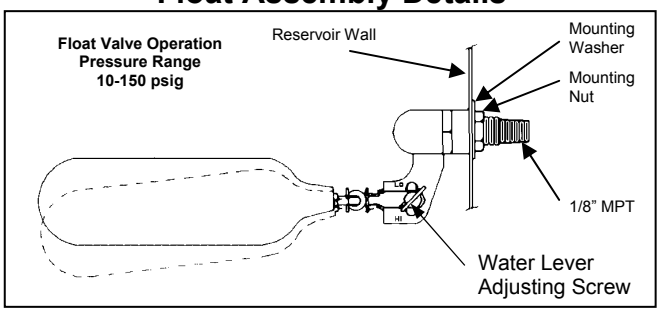


Figure D

Water Supply Connections

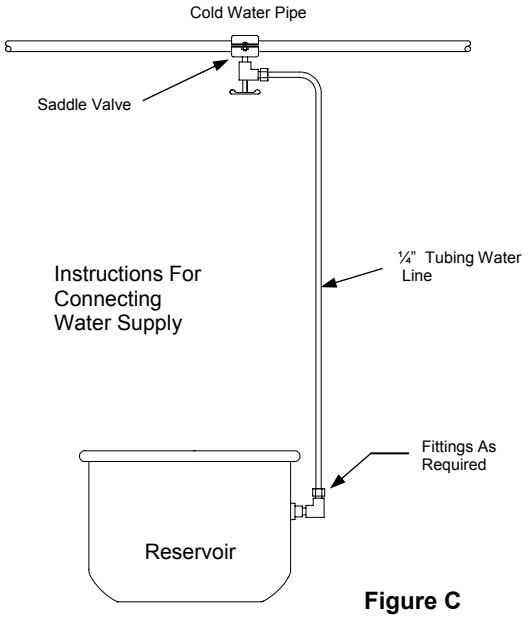


Figure C

Duct Location Requirements

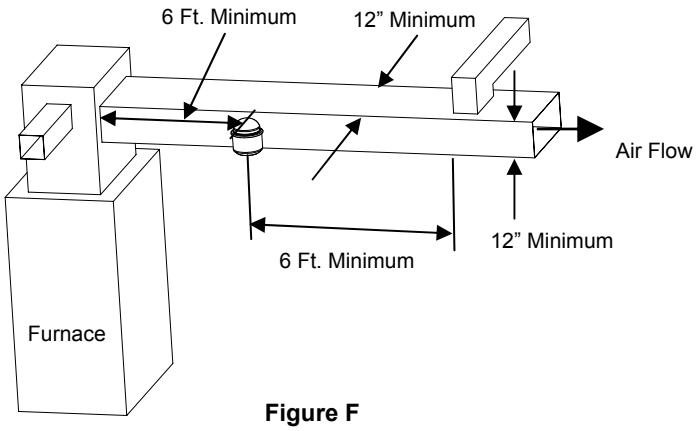


Figure F

Wiring Diagram For P-825 Humidistat

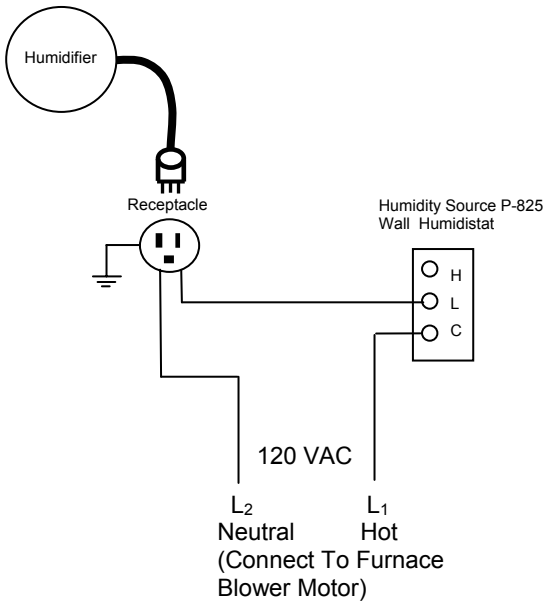
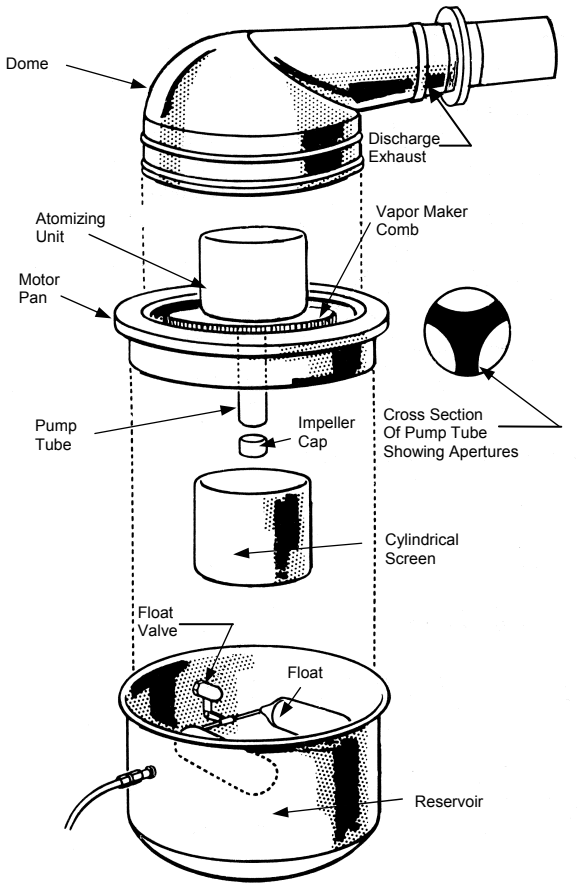


Figure E

Humidity Source LLC 90 Dayton Ave. Passaic, New Jersey 07055
Phone 973-916-1001 e-mail HumiditySource@aol.com

Your Humidity Source humidifier is a precision-built instrument that, given proper care, will provide years of dependable service. All that is required is periodic cleaning during the humidifying season when your humidifier is most used. Depending on local water conditions, mineral solids and other matter may accumulate in various parts of the unit. These accumulations must be removed so that water flows freely for efficient operation of the humidifier. A reverse osmosis water treatment system will remove minerals and greatly reduce the need to clean the humidifier.



CLEAN YOUR HUMIDIFIER AT END OF THE HEATING SEASON. LEAVE THE UNIT EMPTY AND DRY
DURING THE SUMMER MONTHS. REFILL AGAIN IN THE FALL. INSPECT AND CLEAN (IF NEEDED) ONCE OR TWICE DURING THE HEATING SEASON. IF USED ALL YEAR, INSPECT AND CLEAN AS NECESSARY QUARTERLY

STEP 1.
DISCONNECT ELECTRICAL PLUG FROM HOUSE LINE. TURN OFF WATER SUPPLY.

STEP 2.
REMOVE DOME FROM UNIT, AFTER FIRST REMOVING DOME STRAP. The dome rests on the copper motor pan; it lifts up and away from the duct and the unit. The vapor tube and extension tube are connected by the rubber tube seal and will come out together.

STEP 3.
LIFT OUT THE ATOMIZING UNIT. This rests freely in the reservoir pan and lifts out easily.

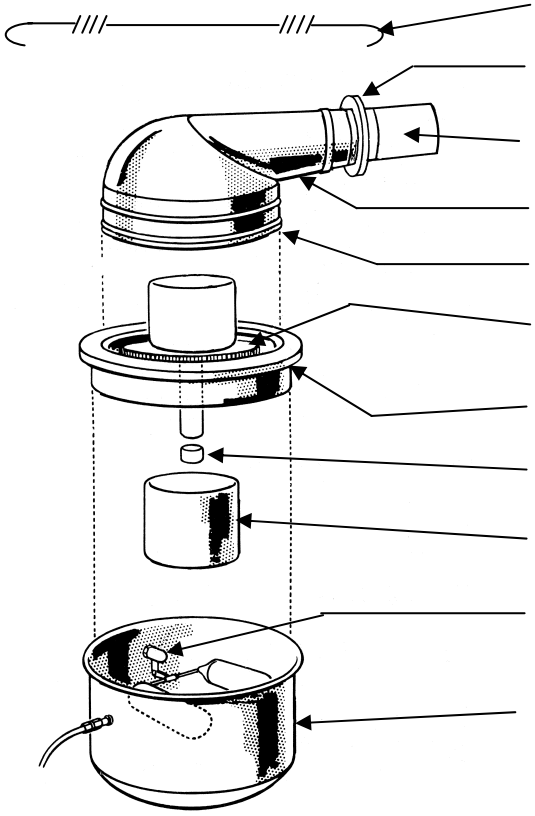
STEP 4.
CLEAN THE ATOMIZING UNIT. *Do not submerge unit in water or the atomizer motor will be damaged.* First, remove the cylindrical screen. Twist slightly out of lock position and remove. Next, remove the impeller cap from the pump tube by tapping lightly on edge of cap with a flat object (such as a file or flat screwdriver). *Do not tap on face of cap, this can damage its ability to pump water.* Insert a pointed scraper or pipe cleaner through the open end of the pump tube into the three apertures located inside the pump tube (you may not actually see the apertures but you can “feel” them). Gently poke and free the three apertures of any solids that may have accumulated. Scrape out waste materials along the inner walls of the pump tube. Flush out pump tube with low pressure water being very careful to not force water into the atomizer motor. Replace impeller cap on pump tube by tapping into place around edge of cap, *again, do not tap face of cap.* Spin the pump tube by hand to insure it rotates freely. Replace screen by twisting into lock position. Brush-clean the vapor maker comb with a small wire brush or old tooth brush. Rinse out motor pan being careful not to get water into the motor.

STEP 5.
EMPTY AND CLEAN RESERVOIR of all liquids and waste materials. Use white vinegar to dissolve minerals. Care should be taken so as not to disturb floats or float valve.

STEP 6.
REASSEMBLE THE UNIT. Replace the atomizing unit in the reservoir. Place the dome on the motor pan with the discharge exhaust and extension tube positioned in line with the air intake tube on the reservoir. Set entire unit back on mounting plate positioning discharge tube and air intake tube through the duct openings. Be sure the angled cut of the intake tube is pointing toward the duct air flow.

TURN ON YOUR WATER SUPPLY, PLUG IN YOUR ELECTRIC CORD AND YOUR HUMIDIFIER IS AGAIN READY TO BRING YOU HEALTY HUMIDIFICATION TO YOUR HOME.

MODEL WF-HP-226 Replacement Parts



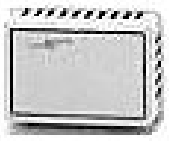
Description	Part Number
Dome Strap Assembly	079590
Tube Seal	908576
Extension Tube Sealer	905528
Dome	905026
Channel Rubber	905582
Atomizing Assembly	WFHP526
Motor Pan Gasket	905615
Impeller Cap	905503
Cylindrical Screen	905543
Float Valve Assembly	079057
Reservoir	905062

Humidifier Accessories

P-825 Humidistat
Human Hair Element

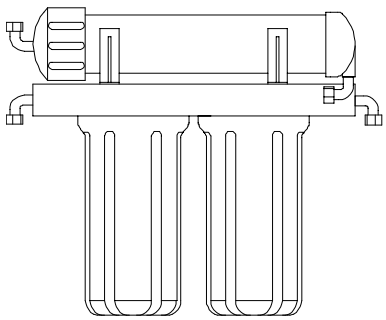
Standard

W351 Humidistat
Electronic Sensor



For high humidity
And/or close
tolerances

Humidity Source Reverse Osmosis water Treatment systems. Sizes range from industrial capacities down to individual room units.



Humidity Source, LLC 90 Dayton Ave. Passaic, New Jersey 07055
Phone 973-916-1001 e-mail HumiditySource@aol.com