

PRO-600

Owner's Instructions for Electronically controlled FLOW-THRU Humidifier Operating and Maintenance Tips - Warranty.

1. Principle of operation

- This humidifier uses a vertical evaporator pad, wetted by a pulsed water flow. Warm air is by-passed from the warm air plenum and forced through the evaporator pad. Humid air is drawn back into the return duct.
- The pad is enclosed in a plastic frame with a marking that clearly indicates the bottom. It is designed to retain water before it is evaporated. The excess of water is sent to the drain.
- Although all flow-through humidifiers improve performance and evaporative capacities if they are used with constant blower operation and are connected to the service hot water (max 140°F), this unique pulse action model optimizes performance and reduces water consumption by up to 80%.
- Your humidifier is installed in such a way that it operates in conjunction with the furnace blower motor. If the furnace is equipped with a multi-speed fan motor, the system is connected to the heating cycle speed. When the motor is running in heating cycle speed **and** the humidistat is calling for humidity, the electronic module allows a controlled water flow on the evaporating pad. It opens the electric valve for an average of 3 seconds and then closes the valve for another 30 seconds, and so on, thus giving the time for the water dispersed on the pad to be evaporated in the system, without wasting a lot of water which normally would go directly to the drain. This is one of the main features of this model and it saves up to 80% of water consumption. It is normal to have a bit of water flowing in the drain tube, though. This flushing-away method removes the dissolved minerals that are always left on the pad in a normal evaporation process before they settle and dry up on parts that are in contact with water. Just consider that little water waste as a "*rinse n' drain cycle*".

2 Adjusting the humidity level in your home

- A relative humidity environment of 40% is recommended. Please refer to the table on the humidistat to help determine the proper level.

Outside Temperature	Recommended Setting
- 22°F (-30°C)	15 %
- 13°F (-25°C)	20 %
- 4°F (-20°C)	25 %
+ 5°F (-15°C)	30 %
+ 14°F (-10°C)	35 %
above 23°F (-5°C)	40 %

- At the beginning of the heating season it might take some time (a few days) to build up the humidity to the comfortable level you want. Depending on the original dryness of the house, carpets, furniture and wood will absorb moisture before you could really feel a difference.
- If your house remains unoccupied during the winter season, adjust the humidistat to a lower setpoint in order to prevent condensation.

3 A few tips

- Do not use the supply valve (installed on the supply line) to regulate the water flow. This type of valve is designed to be completely opened or closed.
- Do not allow the drain tube to fill with water in bends, elbows or kinks. Water could accumulate in them and that could become a place for deposit build-up.

4 Annual Maintenance

To replace the evaporator pad :

- 1- Shut off the furnace power.
- 2- Open the humidifier by removing the plastic screw on the side of the cover.
- 3- Unlock the evaporator pad by turning the little plastic retainer.
- 4- Remove the old pad and replace it by a new one while checking the printed marking that clearly indicates the bottom of the pad.
- 5- Lock the new pad in place.
- 6- Put the cover back and secure it with the plastic screw.

Note : Depending on the quality of water, it is recommended to replace the evaporator pad once per heating season.

5 Summer season

- If the system is used in air conditioning during the summer, reduce the air volume going through the humidifier by closing the air damper located on the side of the humidifier. The control button shows the actual position of the damper.
- It is recommended to simply shut off the humidifier system :
 - 1- Close the water supply valve.
 - 2- Turn the humidistat knob to the "OFF" position.

6 Warranty

This humidifier is guaranteed against any defects in material and workmanship, under normal use, for one (1) year from the date of purchase. The frame and door are guaranteed for life against defects in material and workmanship, under normal use. This warranty applies only if the unit is properly installed and operated according to the instructions provided with this product. This warranty will not cover defects due to misuse or faulty installation. The manufacturer will not be held responsible for any bodily injuries or damages to personal property or real estate, whether caused directly or indirectly by the humidifier. If warranty service is required during the warranty period, the manufacturer will, at its sole discretion, repair or replace the product, without charge, upon delivery of the product where it was purchased, with proof of purchase.

7 Service

Please keep your contractor telephone number handy. He is the best person to give you service or supply you with replacement parts.