

ATTENTION INSTALLER:

This product must be installed by a qualified heating and air conditioning contractor. Failure to do so could result in serious injury from electrical shock.

This product must be installed in compliance with all local, state and federal codes.

Proper humidification and humidity control also requires that the home be constructed in accordance with local codes and good building practices.

Aprilaire® MODEL 700 SERIES HUMIDIFIER

WARNING

ELECTRICAL SHOCK HAZARD.

Disconnect electrical power to the furnace before starting installation. Failure to do so could result in serious injury from electrical shock.

SHARP EDGES HAZARD.

Sharp edges may cause serious injury from cuts.

Use care when making plenum openings and handling ductwork.

RISK OF SCALDING.

Water temperatures above 120°F can cause severe burns and could instantly shut off the hot water supply. Before backflushing or repairing, wait until water reaches safety level.

CAUTION

RISK OF PROPERTY AND EQUIPMENT DAMAGE.

- Do not install humidifier where freezing temperatures could occur. The water line could freeze and crack causing water damage to the home.
- Do not install humidifier on the furnace plenum.
- Do not install humidifier on a plenum floor where the plenum air plenum of the cooling coil will restrict air movement through the coil.
- Do not set humidity level above recommended or to recommended level if condensation occurs on inside surfaces of any uncoated metal, as condensation damage may result. Excessive humidity can cause moisture accumulation which can allow the possibility for mold growth in the home.

- Do not connect the Model 700 or 700M water coil to multi-speed furnace, between coillets or between coillets other than 120 VAC. Furnace component failure may result. Use Research Products Corporation Model 30 Current Sensing Relays.
- When installing Humidifier Control on a domestic furnace, ensure blower continues to run after a heat call is satisfied to eliminate high temperatures from damaging the Control.
- Do not install humidifier where static pressure exceeds 125 ps, severe damage to the humidifier may result. Follow codes in effect concerning pressure reduction.
- Do not install humidifier on the supply plenum where static pressure exceeds 0.4 in. w.c.

SPECIFICATIONS

HUMIDIFIER DIMENSIONS

Width 15 7/8"

Height including control valve and drain-coat 38"

Depth 10 7/8"

PLenum OPENING

14 1/8" W x 14 1/8" H

WATER FLOW RATE

6 gpm

ELECTRICAL DATA

120 VAC-60 Hz, 0.8 AAMP

RECOMMENDED WIRING DIAGRAMS

SEE STEP 8 ON BACK AND "HUMIDIFIER CONTROL SAFETY AND INSTALLATION INSTRUCTIONS" FOR DETAILED WIRING INSTRUCTIONS

Model 700

DIGITAL HUMIDIFIER
CONTROL



Model 700M

MANUAL CONTROL



INSTALLATION OPTIONS

Typical Installation



Alternate Installation



Orientation of Aprilaire Model 700 and 700M to Cooling Coils



NOTES

1. Models 700 and 700M are not suitable for installation on plenum with horizontal airflow. Performance will be reduced.

2. When installing the Aprilaire humidifier with the Aprilaire Digital Humidifier Control or on a frost-free system, use hot water. This heated water supplements the reduced supply air temperature as added heat for evaporation.

Aprilaire Model 6owners Manual

LL Leslie

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