

Introducing Residential Steam Humidification

Done Right.



We tested, refined and made certain the Model 800 delivers Aprilaire world-class quality.

Aprilaire and Dri-Steem—leaders in residential and commercial humidification—join forces to bring you the first residential steam humidifier that delivers on its promises.

The Aprilaire Model 800 utilizes electrode technology:

- No cleaning necessary—simply replace the low cost canister
- Easy, flexible installs—remote or duct mount with no added accessories
- Dri-Steem's dispersion technology—prevents condensation in ducts
- No water filtration necessary

Aprilaire, your Partners in Comfort, is the brand you can trust for product reliability and proven design. We understand the importance of your reputation.



Evaporative or Steam: the proven choice is always Aprilaire
Visit www.AprilairePartners.com or call 1-800-334-6011.

Aprilaire®
Your Partners in Comfort®



Company	Aprilaire	Honeywell	EWC	Skuttle
Product	Model 800	HM512	AutoFlow S2000	60-2
Technology	Electrode	Resistive	Resistive	Resistive
Capacity - gpd	11.5 or 23.5 depending on voltage	12	16	17
Water Filtration	None required	Required - water hardness test kit included with every unit.	Recommended	Recommended
Mounting	Plenum or Remote	Plenum or Remote	Plenum only	Plenum only
Remote Mount Kit	Included with unit	Purchased separately	Not available	Not available
Remote Distance	20 ft maximum, use steam tube up to 6 feet, any longer use insulated hard pipe	15 ft of steam tube	Must be duct mounted	Must be duct mounted
Remote Blower	Yes	No	No	No
Cleaning Wait Period	4 minutes for unit to drain	45 minutes for the unit to drain	Wait for tank to cool, time not published	Wait for tank to cool, time not published
Cleaning Instructions	Replace canister	Soak tank in CLR, Lime Away or white vinegar, carefully rub minerals from the heating element	Disconnect and remove entire unit from duct, use putty knife to scrape off deposits, do not scrape temperature probe, be careful not to damage	Check for build up every 2 months, disconnect and remove entire unit from duct, clean off deposits with steel wool or scouring pad
End of Season	72 hours of inactivity unit drains and waits for humidity call	48 hours of inactivity unit drains, must clean, or unit is permanently damaged	Homeowner must manually drain, must clean, or unit is permanently damaged	Homeowner must manually drain, must clean, or unit is permanently damaged
Voltage/Amps	12.7	12	13	8.3
Warranty	5 Year	5 Year	1 Year	1 year unit, 2 year heating element
Foam control	Control logic to detect and eliminate foam production, no user involvement	None	None	None
HVAC Blower control	Turns on HVAC blower automatically with humidity call	Turns on HVAC blower automatically with humidity call	Turns on HVAC blower when tank temperature reaches 170°F and turns off at 140°F degrees	Turns on HVAC blower when tank temperature reaches 170°F and turns off at 120°F degrees
Variable Speed Blower	Compatible	None Published	Wire to over-ride variable speed - minimum 800 cfm @ 800-900 fpm	None published
Dispersion Technology	Dispersion tube with tubelet technology	None, tube with hole at end pointed into duct	None, tank of water in the duct	None, tank of water in the duct
Dispersion Distance - Maximum	28" @23.5 gpd, 65°F and 45% RH and 300 fpm	24" No operating conditions or air flow velocity provided	24" No operating conditions or air flow velocity provided	48" to 72" No operating conditions or air flow velocity provided
Dispersion Distance - Minimum	<2" @11.5 gpd, 70°F and 30% RH and 1800 fpm	24" No operating conditions or air flow velocity provided	24" No operating conditions or air flow velocity provided	48" to 72" No operating conditions or air flow velocity provided
Downflow Furnace	Yes	Yes	No	No
Drain Operation	Control logic will automatically drain based upon water conductivity	Automatically drains based on time, regardless of conditions	Automatically drains based on time, regardless of conditions	Automatically drains based on time, regardless of conditions
Drain Tempering	Automatically flushes drain water and inlet water < 140 degree	None, condensate pump must be able to accommodate 212° F	None	None
Drain Plugging Protection	Drain valve pulses to dislodge mineral deposits	None	None	None
Air Flow Proving Device	Yes	Yes	Yes	Yes
Backflow Prevention	Integral to unit	Installed separately during installation	Integral to unit	Integral to unit
Duct Humidity Sensor	Yes	Yes	Yes	Yes
Recurring Revenue	Yes	No	No	No

Note: Honeywell HM506 and HM509 are designed the same as the HM512 with capacity and electrical usage the primary differences.

In the residential humidifier market, products use either electrode or resistive technology to heat the water.

Resistive: Electrical element submerged in water and heated similar to a stove top.

Electrode: Electrical current flows between submerged electrodes, resistance of the water to the electric current heats the water.

RESEARCH PRODUCTS RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.