

Aprilaire[®]

**Whole-Home Humidifiers
for Non-Ducted Applications**

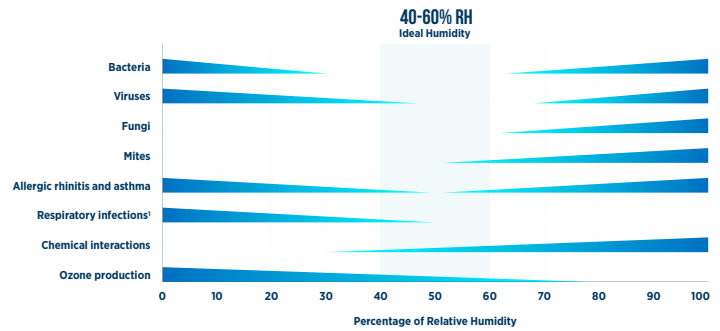


Answer The Demand for Humidity Control In Your Market

Humidity Control Plays A Key Role in Healthy Air

Aprilaire introduced the first whole-home humidifier in the industry in 1954, and since then Aprilaire continues to lead the industry in humidification technology and healthy home solutions. Manufactured in the USA, we ensure world-class quality backed with our 5-year warranty.

Humidification is part of providing homeowners with Healthy Air – especially during the colder months of the year. To minimize airborne virus survival rates, maintaining healthy levels of humidity between 40-60% is essential.



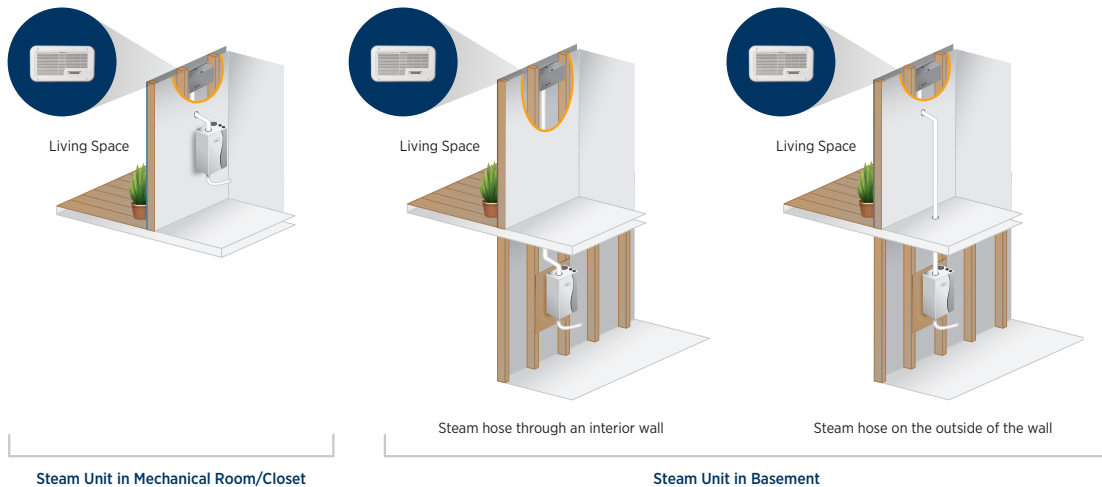
Model 865 Ductless Steam Humidifier System

- Can provide between 11.5 and 34.6 gallons per day
- Includes Model 800 Steam Humidifier, Fan Pack, Model 65 digital humidistat and Model 4028 drain trap assembly, steam hose, and drain tube
- Recommended for homes up to 10000 sq. ft.*
- Whisper-quiet fan pack recessed into a wall to blend into a home's environment
- Canister does not require cleaning or scrubbing—simply remove it and replace



*Based on tight construction as stated in AHRI Humidifier Sizing Guidelines

Install Applications



Dry air is not only unhealthy, it's uncomfortable. In addition to accelerating the transmission of airborne viruses, it can aggravate asthma and allergy symptoms, and cause wood floors and furnishings to warp. Maintaining healthy levels of humidity helps to reduce these symptoms and protect the wood in your home.

about
21
million



homes are heated without ductwork. Differentiate your business by solving this problem in your region.

Our humidifiers provide whole-home humidification for every application. We utilize steam and evaporative technologies in our products to provide you with effective options based on such variables as square footage and existing heating/cooling system. When it comes to the 21 million homes with non-ducted systems such as boilers, mini-splits, and radiant heat, we have what you need to provide Healthy Air through humidity control to more customers.

Model 300 Self-Contained Evaporative Humidifier

- 13 gallon per day capacity - 30% more than previous Aprilaire self-contained evaporative models
- Includes Model 65 humidistat, saddle valve, 6' power cord, mounting brackets, and 10" to 8" reducer
- Recommended for homes up to 3500 sq. ft.*
- Quiet operation - 40 dBA when installed with flex duct
- Extended dry-time fan
- Easy water panel replacement accessible underneath the unit
- Can be mounted off the joists or in between joists spaced at least 14.5" apart, delivering healthy humidified air into the living space

*Based on tight construction as stated in AHRI Humidifier Sizing Guidelines



Install Applications*

Mechanical Closet

Ducted to dedicated grilles in the living space.

Crawl Space

Ducted to dedicated grilles in the living space.

Basement

Ducted to dedicated grille in the living space.

*Can also be installed in homes with forced air where limited space is available for installations.



HUMIDITY CONTROL

Humidifiers – Part of the Aprilaire Healthy Air System

Humidifiers	Type of Humidification	Unit Size Width x Height x Depth	Plenum Opening	Capacity GPD = Gallons Per Day	Electrical Data	Water Panel/ Canister
800 SERIES 	Steam For applications when evaporative units are less practical (attics, crawl spaces, closets, milder winter climates, non-forced-air heating source).	10 ¹ / ₈ " x 20 ⁷ / ₈ " x 7 ¹ / ₈ "	-	11.5 GPD 16.0 GPD 20.5 GPD	120V 60Hz 11.5 AMP 120V 60Hz 16 AMP 208V 60Hz 11.5 AMP	80 ^{††}
	Ductless Steam Includes the Model 800, Fan Pack, Model 65 Control and Model 4028 Drain Trap. For homes without forced-air heating systems.	Fan Pack: 14" x 6 ² / ₃₂ " x 3 ¹ / ₁₆ " Finished Grille: 16 ³ / ₁₆ " x 9" x 1 ³ / ₃₂ "	-	30.0 GPD 23.3 GPD 34.6 GPD	208V 60Hz 16 AMP 240V 60Hz 11.5 AMP 240V 60Hz 16 AMP	
700 SERIES 	Fan Powered Evaporative Built-in fan that pulls heated air directly from the furnace.	15 ² / ₃₂ " x 18" x 10 ¹ / ₃₂ "	W: 14 ³ / ₄ " H: 14 ³ / ₁₆ "	18 GPD	120V 60Hz 0.8 AMP	35
600 SERIES 	Large Bypass Evaporative Uses the furnace blower to move air through a Water Panel®.	15 ³ / ₈ " x 15 ³ / ₄ " x 10 ¹ / ₄ " 6" dia. round opening	W: 10" H: 12 ³ / ₄ "	17 GPD	24V 60Hz 0.5 AMP	35
500 SERIES 	Small Bypass Evaporative Designed for smaller homes.	15 ⁵ / ₈ " x 13" x 10 ¹ / ₄ " 6" dia. round opening	W: 9 ¹ / ₂ " H: 9 ¹ / ₂ "	12 GPD	24V 60Hz 0.5 AMP	10
400 SERIES 	Water Saver Bypass Evaporative Uses 100% of water and evaporative technology that eliminates the need for a drain. Conserves Water.	15 ³ / ₈ " x 15 ³ / ₄ " x 10 ¹ / ₄ "* 6" dia. round opening See note on heat pumps [†]	W: 10" H: 12 ³ / ₄ "	17 GPD	24V 60Hz 0.5 AMP	45
300 SERIES 	Self-Contained Evaporative For boilers, mini-splits, radiant heat and ductless systems.	14 ³ / ₈ " x 12 ¹ / ₂ " x 22 ³ / ₃₂ "	-	13 GPD	120V 60Hz 0.7 AMP	35



HUMIDIFIER SIZING GUIDELINES GPD Needed Per Square Foot** Based on Building Structure Tightness							
Structure Tightness	VOLUME OF BUILDING (FT ³)						
	8000	12000	16000	20000	24000	32000	40000
	BUILDING FLOOR AREA (FT ²) WITH 8 FT CEILINGS						
	1000 Ft ²	1500 Ft ²	2000 Ft ²	2500 Ft ²	3000 Ft ²	4000 Ft ²	5000 Ft ²
Tight	3.3 GPD	5.0 GPD	6.7 GPD	8.3 GPD	10.0 GPD	13.4 GPD	16.7 GPD
Average	6.7 GPD	10.0 GPD	13.4 GPD	16.7 GPD	20.0 GPD	26.7 GPD	33.4 GPD
Loose	10.0 GPD	15.0 GPD	20.0 GPD	25.0 GPD	30.1 GPD	40.1 GPD	50.1 GPD

*Automatic Digital Control (shown)

**Manual Control - For those rare occurrences where an automatic control is not practical, Aprilaire offers the same great humidifiers with a mechanical control.

***801 & 866 Modulating Steam Humidifier - For precise RH control. Controls are sold separately.

†Heat Pumps - Model 400 can be installed in heat pump applications. However, due to the fact that heat pumps deliver lower temperature air to the home than gas furnaces, evaporation will be approximately 60% of rated capacity. (With other Aprilaire models, hot water can be used instead of cold to maximize evaporation. However, due to the nature of the wicking water panel in the Model 400, hot water provides less benefit.) As such, your dealer will need to take the size and age of your home into consideration to ensure the Model 400 will provide satisfactory comfort and protection through adequate humidification.

††Model 800LC available with 80LC canister for less conductive water 75-300µS/cm and 120VAC applications.

‡AHRI Air Conditioning, Heating, and Refrigeration Institute GPD = Gallons Per Day Guideline F

A family of 4 will add 2 gallons of humidity per day through everyday activities like breathing, cooking, bathing and washing. Evaporative capacities assume blower is active 100% of the time, plenum temperature is at 120° F and water is cold.

Bypass Humidifiers - Can be installed on the supply or return plenum.

Water Usage Rate - Model 300 is 6 gph (gph=gallons per hour); Models 500, 600 and 700 are 3 gph; Model 400 is 0.7 gpt; Model 800 is 0.6 to 1.8 gph depending on voltage, amp draw and water quality.