

Aprilaire®

100% Efficient

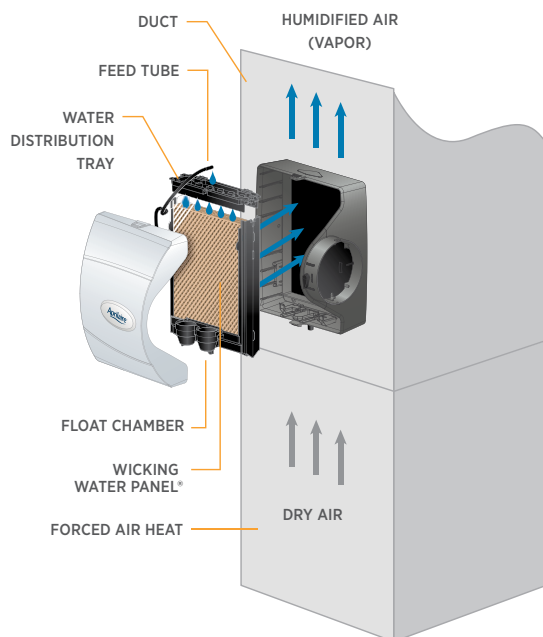
The Only Humidifier on The Market Wasting Zero Water



Aprilaire offers the top performing humidifier for environmentally conscious homeowners.

Enjoy all the benefits of a properly humidified home, optimum comfort, improved health and protection of your home and furnishings – all with zero water wasted. With the Aprilaire Model 400K drainless evaporative humidifier, 100% of the water is delivered to the air, eliminating the need for a drain.







Evaporates 100% of the water – no drain needed.

Like all evaporative humidifiers, the 400 models use forced-air heating systems to deliver moisture to air throughout the house and increase relative humidity.

The unique benefit of the 400 models is that they do not waste any water. All of the water is evaporated and used to increase the humidity in your home, making the unit 100% efficient. Unlike other models where water runs down the panel and then into a drain, the patented design of the 400 models wick moisture up from the bottom of the panel, evaporating all the water delivered to the unit. Simply replace the water panel twice per season and enjoy the benefits of proper humidity without wasting any water.

Aprilaire Humidifiers	Model No.	Type of Humidification	Unit Size Width x Height x Depth	Plenum Opening W x H	Capacity lpd / gpd	Electrical Data
	400K* 400MK**	Bypass Unit Uses 100% of water and evaporative technology that eliminates the need for a drain. Conserves Water. 	390.53 mm x 400.05 mm x 260.35 mm 152.4 mm dia. round opening	254.00 mm x 323.85 mm	64.35 litres per day	24V-60 Hz 0.5 AMP
			15.375" x 15.75" x 10.25" 6" dia. round opening See note on heat pumps†	10" x 12.75"	17 gallons per day	



HUMIDIFIER SIZING CHART LPD/GPD Needed Per Square Metre/Foot† Based on Building Structure Tightness							
Structure Tightness - CAN (2.44 m Ceilings)	92.90 m²	139.35 m²	185.81 m²	232.26 m²	278.71 m²	371.61 m²	464.52 m²
Tight	16.30 lpd	24.20 lpd	32.20 lpd	40.20 lpd	48.07 lpd	64.40 lpd	80.30 lpd
Average	32.60 lpd	48.50 lpd	64.30 lpd	80.60 lpd	96.20 lpd	128.70 lpd	162.00 lpd
Structure Tightness - US (8 Ft Ceilings)	1000 Ft²	1500 Ft²	2000 Ft²	2500 Ft²	3000 Ft²	4000 Ft²	5000 Ft²
Tight	4.3 gpd	6.4 gpd	8.5 gpd	10.6 gpd	12.7 gpd	17 gpd	21.2 gpd
Average	8.6 gpd	12.8 gpd	17 gpd	21.3 gpd	25.4 gpd	34 gpd	42.6 gpd

*Automatic Digital Control with Auto-Trac® (shown)

**Manual Control - For those rare occurrences where an automatic control is not practical, Aprilaire digital control can be installed in manual mode while still delivering the accuracy and information you need for optimum performance.

† 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.

‡ AHRI Air Conditioning, Heating, and Refrigeration Institute LPD = Litres Per Day Guideline F

A family of 4 will add 7.57 litres 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 48.89°C and water is cold.

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

Water Usage Rate - Model 400 is 2.65 lpd

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Aprilaire®

Trusted Solutions for a Healthy Home