



Indoor Air Quality



FILL YOUR HOME WITH AIR THAT IS AS
CLEAN AS IT IS COMFORTABLE.

BUILT TO A HIGHER STANDARD™

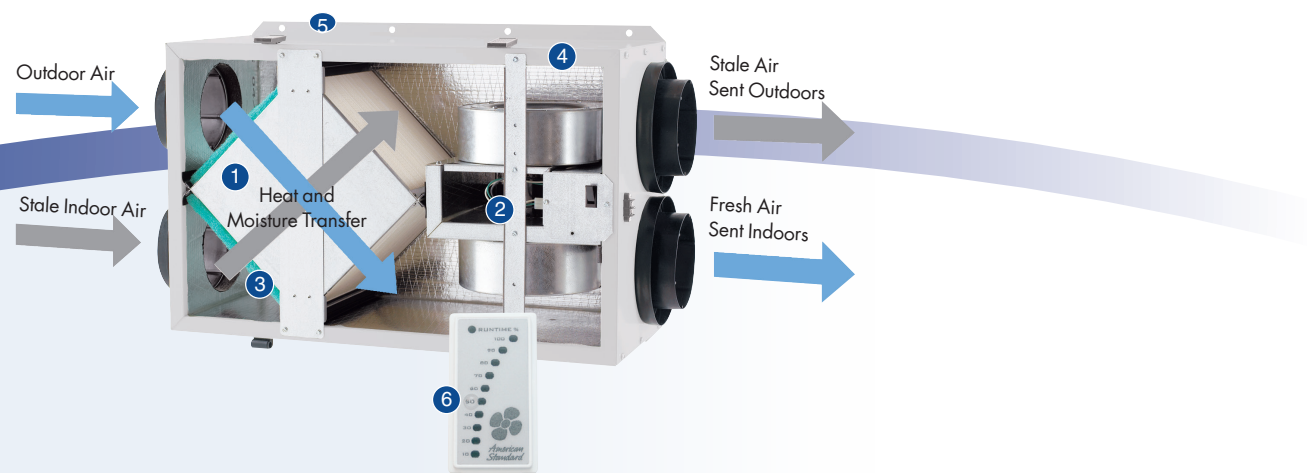
American Standard®

HEATING & AIR CONDITIONING



FRESHER AIR.

The Envirowise™ Energy Recovery Ventilator (ERV) exchanges stale, indoor air and provides heated and humidified fresh air in a more efficient and consistent manner than opening a window. In the winter, heat and moisture are transferred from the exhaust air back into the incoming fresh air. In the summer, Envirowise ERV removes heat and moisture from outdoor air to provide fresh, cooled, dehumidified air to your home.



Why is the Envirowise ERV good for your home and your family?

We believe that an indoor environment is optimized when fresh air is introduced into the home in a regular and controlled manner. Consider:

- Indoor pollutants can be five times higher than outdoor pollutants.
- 87% of homeowners are unaware that pollution inside their homes may be worse than outside.
- Children inhale 50% more air per pound of body weight than adults, so they're especially sensitive to air quality problems.
- Indoor pollution sources release gases called VOCs (Volatile Organic Compounds) into the air. They are a primary cause of indoor air quality problems in the home.

- 1 High efficiency crossflow energy transfer core**
High-performance core recovers heat and moisture from the outgoing air during cold weather. During hot, humid weather, it pre-cools and dehumidifies incoming air.
- 2 High-performance motor**
Engineered with permanently lubricated bearings for low maintenance and longer life.
- 3 Slide-out filter**
Easily accessed for quick cleaning with a household vacuum cleaner.
- 4 Powder-paint cabinet**
Sturdy, 20-gauge, metal cabinet with a scratch-resistant, high-gloss finish.
- 5 Flexible mounting**
Installs easily in the attic, garage or basement, in virtually any position.
- 6 Adjustable control**
Provides automatic timed ventilation, plus manual control for more ventilation if needed. Press the fan icon on the Envirowise control to adjust runtime percentage per hour.



A VALUE VENTILATION OPTION WITH INTELLIGENT LOGIC

The EnviroWise™ QF1 30V in-line ventilator offers a cost effective mechanical fresh air solution that controls humidity and temperature. The QF1 30V has a full ECM motor that makes installation fast and easy, with no balancing dampers required. The ECM motor allows for adjustable airflow to meet the ventilation requirements for homes up to 3500 sq. ft. The installer dials in the quantity (CFM) of fresh air needed and sets the desired limits for outside humidity and temperature, and the QF1 30V is ready. A 24V relay is included with the unit and allows the flexibility of controlling the QF1 30V from a wall mounted thermostat.



- 1 62.2 Compliant Ventilation**
With adjustable airflow from 30 to 130 cfm to meet ventilation codes for all size homes.
- 2 MERV 8 filter**
Included for improved indoor air quality. Optional heater available for extreme cold climates
- 3 On-board LCD "logic" controller**
Allows for customized set-up depending on climate conditions. High / low temp and high humidity lock out options with timed sampling to ensure minimum ventilation without excessive energy use.
- 4 Full ECM Motor**
With Intelligent Logic Controller. Quiet low speed motor means no noise objections.



THUMD500, THUMD300,
THUMD200

How relative humidity impacts your home and how an Envirowise humidifier can help.

As the outside temperature drops, so does the relative humidity inside your home which means less moisture and drier air. This chart suggests appropriate indoor relative humidity settings that an American Standard humidifier can help achieve in your home, bringing you greater comfort and welcome relief from dryness.



Outdoor Temperature (°F)	Indoor Relative Humidity
+40°	45%
+30°	40%
+20°	35%
+10°	30%
0°	25%
-10°	20%
-20°	15%

Relative humidity settings are based on double-pane windows or single-pane windows with storm windows. These settings reduce the likelihood of condensation forming on the windows inside a home.

Recommended Gallons of Humidity Per Day

Humidifier Sizing Chart (8' Ceilings)

Area (ft²)	Tight	Average	Loose
1000 ft²	4.3	8.6	12.7
1500 ft²	6.4	12.8	19.1
2000 ft²	8.5	17.0	25.5
2500 ft²	10.6	21.3	31.8
3000 ft²	12.7	25.4	38.1
4000 ft²	17.0	34.0	51.0
5000 ft²	21.2	42.6	63.6
Structure Tightness	Tight	Average	Loose

*AHRI Air Conditioning, Heating, and Refrigeration Institute GPD = Gallons Per Day Guideline F 2008

A family of 4 will add 2 gallons of humidity per day through everyday activities like cooking, bathing and washing.

How an Envirowise humidifier benefits your family.

During colder months, indoor humidity is a significant contributor to your comfort. But it helps in other areas as well. The right amount of humidity offers:

- Potential energy savings because humidified air feels warmer, so you can set your thermostat lower during heating season.
- Reduced static electricity.
- Less shrinkage of woodwork around doors, windows, and floors.



Whole-Home Evaporative Humidifiers

	Gold		Silver
	Power	Large Bypass	Small Bypass
1 Flow-through design	•	•	•
2 Controlled moisture distribution	•	•	•
3 Built-in fan	•		
4 Replaceable pad	•	•	•
5 Durable, rust-resistant housing	•	•	•
6 Automatic control	•	•	
7 Bypass damper		•	•
Outdoor sensor option	•	•	
Manual control			•
Evaporative capacity (gallons per day)	18	16.8	12
Warranty protection	<ul style="list-style-type: none"> • 5-year limited warranty on all parts • Optional extended warranty (Ask your dealer for details.) 		



EHUMD800, EHUMD800LC*
*120V application for low conductivity water



Features include fully insulated door, easy to open latches, inside cabinet insulation to prevent condensation on filter and a low profile painted cabinet.

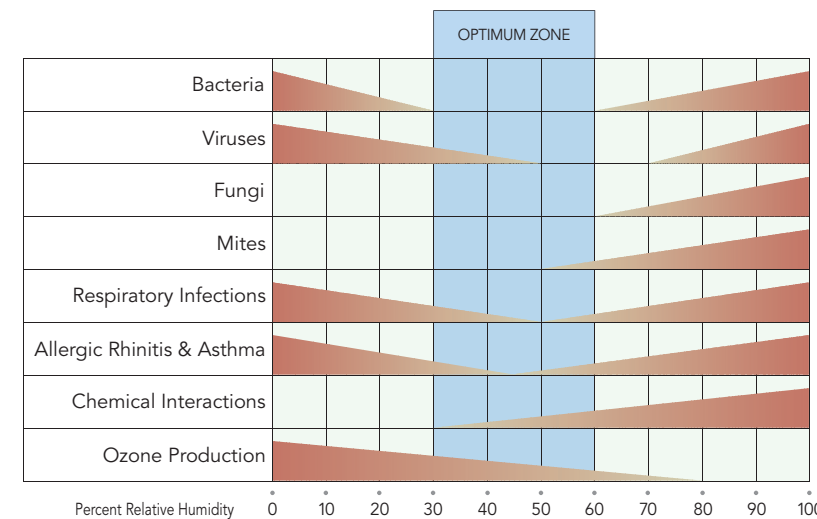
Whole-Home Steam Humidifiers

- 1 Six different capacities in one unit
Satisfies every application from 11.5 gallons per day to 34.6 gallons per day.
- 2 Humidity "on demand"
Uses your current system blower to distribute humidified air throughout your home without a call for heating from your furnace or heat pump.
- 3 Precise relative humidity percentage settings
Choose your settings based on your needs and outdoor conditions. Works with Nexia™-enabled connected controls without the need for additional controls.
- 4 Easy mounting flexibility
Mounts to your duct work or can be remotely mounted.
- 5 Electrode type steam canister
Fast, easy, low cost maintenance.*
- 6 Automatic shut down
Drains then shuts down after 72 hours of inactivity to eliminate standing water.

Five-year standard warranty

Includes all functional Parts. Extended Warranty available.

* Replace once a year.



ASHRAE Comfort Window

Optimum relative humidity range for human comfort and health

(A decrease in bar height indicates a decrease in effect for each of the items)

Having the optimum amount of humidity in your indoor air can impact your health. Either too much or too little can lead to the rise of unhealthy airborne particulates.

Source: "Criteria for Human Exposure to Humidity in Occupied Buildings"-Sterling, et al and other ASHRAE Studies.



SLIMFIT FILTER RACK

The SlimFit Filter Rack comes in made-to-fit sizes for the TEM Air Handlers and the S-Series furnace. The hinged front panel allows easy filter access, and the filter lasts up to 90 days. The pleated filter captures allergens and pet dander between 3 and 10 microns range. The SlimFit Filter Rack will also accommodate off-the-shelf retail filters.

- Hinged front door for easy filter replacement
- Pleated filter included. The pleated filter enables recommended equipment protection and captures allergens and pet dander between 3 and 10 microns range
- Heavy gauge, painted steel cabinet with 2" depth
- Accommodate off the shelf retail filters
- Proudly made in the USA



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We Encourage
Professionalism



Through Technician
Certification by NATE

Since American Standard Heating & Air Conditioning has a policy of continuous product improvement, it reserves the right to change specifications and design without notice. Read important energy cost and efficiency information available from your dealer.

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