

**Aprilaire**<sup>®</sup>

# Fresh Air Solutions

Whole-Home Ventilation



*Trusted Solutions for a Healthy Home*<sup>®</sup>

HOUSEHOLD PROBLEM:

**Stale, polluted air**  
*trapped within your home.*

For more information about the health, comfort and structural problems caused by stale indoor air, visit [aprilaire.com](https://www.aprilaire.com)



# Is your home's ventilation under control?



Today's homes are being built with energy efficiency in mind. They are sealed tightly, so air that's been heated or cooled can't escape. As a result, you pay less to maintain an ideal temperature.

While saving money on energy is good for the pocketbook, a tightly sealed home also means that stale indoor air is recirculated throughout your home and fresh, outdoor air is not introduced.

Without ventilation you may notice cooking odors that linger long after you've eaten. Maybe you have a pet that contributes to odor in your home.

## It gets worse

Air that's trapped in your home can also contain harmful, toxic chemicals that could be threatening the health of your family. According to the Environmental Protection Agency (EPA), the concentration of pollutants can be up to 10 times greater inside your home than outside.

## Common household contaminants:

### Mold, mildew and biological contaminants

Without proper ventilation, excess moisture is trapped, which causes condensation on windows and doors, and creates the perfect breeding ground for mold and mildew.

### Household chemicals

Ironically, many of the products you use to clean your home and make it more healthy, actually put you at risk. The average home has at least nine bottles of household chemicals that emit harmful gases into the air you breathe.

### Formaldehyde

This is a chemical found in building materials, such as pressed wood products and adhesives. It can cause difficulty breathing and trigger asthma attacks. It's also been shown to cause cancer in animals and may cause cancer in humans.\*

### Smoke

Secondhand smoke is an asthma trigger and is responsible for up to 300,000 lower respiratory tract infections each year.\*\*



*Air that's trapped in your home can also contain harmful, toxic chemicals that could be **threatening the health of your family.***

# Fresh air is within your reach.

Excess moisture, chemical fumes and odor-laden indoor air can have a negative effect on the health and comfort of your family. Thankfully, a whole-home ventilation system from Aprilaire® can help. Installed as part of your home's heating and cooling system, it introduces fresh, clean air throughout your entire home. That means from the bedroom to the basement, cancer-causing pollutants and foul-smelling air are pushed out while fresh, outdoor air is pulled in.

## An Aprilaire Whole-Home Ventilation System Can Help

### *PROTECT YOUR HOME*

Excess humidity is a breeding ground for mold and mildew, which destroys the surfaces on which they grow. Humidity also causes condensation build up on windows, destroying their finishes and structural integrity. A whole-home ventilation system works in conjunction with other indoor air quality solutions to minimize damage.

### *CONTROL HEALTH*

Replacing stale air from your home with fresh, outdoor air removes and dilutes dangerous concentrations of VOCs (volatile organic compounds). Keep your family feeling safe and healthy by reducing indoor air pollution in your home.

### *CONTROL COMFORT*

A whole-home ventilation system can help you control the way your home feels—and the way it smells. Not only does it remove air that's uncomfortably humid from your home, it helps you exchange odors caused by pets, cooking and everyday activities with fresh, clean-smelling outdoor air.

### *SAVE ENERGY*

Excessively hot or cold air in your home could cause you to spend more on heating and cooling depending on the condition of the outdoor air. With whole-home ventilation, air that's too hot or too cold never enters the home, which keeps your air conditioner or furnace from operating inefficiently.

**Aprilaire**®

Learn more about the benefits of whole-home ventilation  [aprilaire.com](https://www.aprilaire.com)

## Experience the exhilaration of fresh air—on your terms.

Aprilaire offers many ventilation options. Our ventilation controller and fresh air ventilators are designed to efficiently and easily manage fresh air ventilation when needed. Our advanced Energy Recovery Ventilator (ERV) conditions the outside air to achieve a comfortable temperature and humidity level before delivering it throughout your home. The ERV also ensures that balanced air pressure is maintained and saves energy by transferring extremely hot or cold air through the system to the outside.



### Ventilation controller

Aprilaire ventilation controls are designed to meet new home construction ventilation requirements and are programmed to automatically ventilate based on the size of your home and family size.

Setup is handled by your installer for worry-free operation. You can also choose to ventilate based on events, such as cooking, entertaining or cleaning.

You can control your ventilation level with a variety of options. They allow you to modify the automatic set points based on your personal preferences.

### Intelligent control

The 8120X ventilation controller allows your HVAC contractor to set high and low levels for incoming outdoor air temperature and indoor relative humidity to bring you fresh air while conserving energy usage and maintaining your home's comfort.

### Wi-Fi control of indoor air quality

Aprilaire Wi-Fi thermostats with IAQ Control provide the most convenient and accurate control of excess humidity and temperature. Automatic humidity control is integrated into the thermostat, and with the mobile app you can easily control temperature and humidity levels anywhere from your mobile device. The app also allows you to control other installed Aprilaire IAQ products for optimal fresh air ventilation and air purity and keeps you up-to-date about changing climate conditions in your home.



*ERVs provide the ultimate in comfort control and energy efficiency.*



*Our standard ventilation controller is available with fresh air ventilators and 8126X ventilation system.*



*Aprilaire offers a full line of Wi-Fi thermostats for convenient, efficient control of temperature, humidity and all indoor air quality accessories.*



## **Aprilaire—delivering comfort to your home and family.**

For more than 60 years, Aprilaire has developed innovative indoor air quality products that meet the comfort needs of homeowners throughout the country.

Aprilaire ventilation systems are designed to provide fresh air throughout your entire home. You can choose to control the system yourself, have it set for continuous operation or have it run only during preset times. Plus, we have a solution that controls the temperature and humidity of the air that's brought inside.

## **Performance & peace of mind**

Aprilaire ventilation solutions are designed to deliver improved performance and reliability. They are maintenance-free and come with a five-year warranty.



Aprilaire indoor air quality specialists will recommend the proper ventilation solutions for your home, family and local building codes.

*The leaders in  
healthy home solutions  
since 1954.*

# A fresh air solution for every home.

Your HVAC contractor will recommend which one is right for you.

Aprilaire Ventilation Systems	Model No.	Unit Size	Dehumidification Capacity ppd = Pints Per Day	Shipping Weight lbs	Airflow 0.2 in. w.c. @ (CFM)	Product Description
<b>FRESH AIR VENTILATORS WITH DEHUMIDIFICATION</b>						
	<b>8191</b>	W: 12½" H: 14½" L: 25"	70 ppd	82.50	120	The ventilation control is integrated into the Aprilaire whole-home unit. The unit energizes its blower and opens a damper drawing fresh air into the home. If the incoming air is above a set relative humidity percentage, the incoming air is dehumidified.
	<b>8192</b>	W: 12½" H: 14½" L: 27½"	95 ppd	84.00	230	
<b>FRESH AIR VENTILATORS</b>						
	<b>8140 8140NC</b>	W: 14½" H: 11⅝" L: 27⅝"	-	30.50 30.00	225	Aprilaire ventilation control energizes a blower in the ventilator and opens an integrated damper delivering fresh air into the return or the supply. NC models do not include an onboard controller so that ventilation can be controlled by a thermostat located within the living space.
	<b>8142 8142NC</b>	W: 13½" H: 6⅞" L: 11⅞"	-	12.36 9.80	210	
	<b>8144NC</b>	W: 10¼" H: 18⅞" D: 10¼"	-	20.50	130	The 8144NC is designed to provide continuous low-volume ventilation for smaller single- and multi-family homes. An 8120X ventilation controller may be added to set the unit for energy code ventilation or use high/low temperature and RH lock outs for comfort set up.
<b>VENTILATION CONTROLLER</b>						
	<b>8120X</b>	W: 4⅞" H: 3⅜" D: 1⅝"	-	.50	-	The 8120X engages a fan or damper on various Aprilaire ventilation solutions to allow the delivery of fresh air to a supply or return on the HVAC system. Control can be programmed to deliver the correct amount of fresh air required by code or within high/low outdoor temperature and indoor RH lockouts set by the installer or homeowner.
<b>VENTILATION SYSTEM</b>						
	<b>8126X</b>	W: 10⅝" H: 10¾" D: 6"	-	6.50	-	Aprilaire ventilation control energizes a powered damper mounted on the return side of the HVAC blower. When the HVAC blower energizes, negative pressure draws fresh air into the home.
<b>FRESH AIR EXCHANGER (ERV)</b>						
	<b>8100</b>	W: 37⅞" H: 20⅜" D: 12¾"	-	87.00	130	Aprilaire ventilation control (not included) or thermostat energizes blowers in the ventilator drawing fresh air in and exhausting stale air out of the home. The air flow is balanced, eliminating pressure, and energy is transferred between incoming and outgoing air.

## Ventilation Control Integrated into Aprilaire Thermostats



Model 8620/  
8620W with  
IAQ Control

- + Universal 2H/2C or 4H/2C HP
- + Event-Based™ Air Purification
- + Humidity or ventilation
- + Wi-Fi touch screen (8620W)



Model 8910/  
8910W with  
IAQ Control

- + Universal 3H/3C or 4H/2C HP
- + Event-Based Air Purification
- + Humidity and ventilation
- + 2 Part - 3-Wire design
- + Wi-Fi touch screen (8910W)



Model 8920W  
with IAQ Control

- + Universal 3H/3C or 4H/2C HP
- + Event-Based Air Purification
- + Humidity and ventilation
- + 2 Part - 3-Wire design
- + Full color Wi-Fi touch screen

HEALTH | COMFORT | PRESERVATION | ENERGY SAVINGS

*Delivering trusted solutions to homes and families like yours since 1954.*

To homeowners who do more for their families, Aprilaire is your trusted source for total indoor air quality solutions that will improve your family's health, make your home more comfortable and energy efficient while protecting your home assets.

For more information about the Aprilaire family of healthy home solutions, visit

 [aprilaire.com](https://www.aprilaire.com)

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*HEALTHY HOME SOLUTIONS*

- + Humidification
- + Dehumidification
- + Air Purification
- + Temperature Control
- + Ventilation

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