

Additional Products

hepa filters



UV air cleaners

air cleaners

When your reputation rides on the products you sell, don't settle for less than the best. Always specify GeneralAire residential air cleaners, air purifiers and humidifiers. For more than 65 years GeneralAire has designed and manufactured a full line of efficient, reliable and economical residential air quality products. And installation is always quick and easy. We put more value in the box, you and your customers benefit when you specify and sell GeneralAire air cleaners, air purifiers and humidifiers.

Distributed by:



General Filters, Inc.
43800 Grand River Avenue
Novi, Michigan 48375
(248) 476-5100
(248) 349-2366 fax
sales@generalfilters.com



Canadian General Filters, Ltd.
39 Crockford Blvd. · Scarborough, ON M1R 3B7
(416) 757-3691 · (416) 757-4687 fax
sales@cgfproducts.com



51042D 0105 EGD

www.GENERALAire.com

GENERALAire

Fresh Indoor Air Quality

humidifiers

Model 1042DME

Humidifier



Model 1042DME

When your name is on the line...
Make sure it says GeneralAire on the box.





GENERALAire Climate Control Technology Helps You Enjoy A Healthier, More Comfortable Home

Air quality is only a concern outdoors, isn't it?

Not true! The air inside your home can be even more of a concern to your health and comfort, especially in the winter.

When cold, dry air enters your home and is warmed to room temperature, the relative humidity in the average house can drop to as little as 5%. Compare that to the average 25% relative humidity of the Sahara Desert and you can understand why the air inside your home can seriously affect your health and comfort. Since various studies have estimated that most people spend as much as 90% of their time at home indoors, there's reason to be concerned about indoor air quality.



What is "RELATIVE HUMIDITY" anyway?

Relative humidity refers to the actual amount of moisture in the air expressed as a percentage of the amount of moisture the air is capable of holding.

This means that if the relative humidity of the air inside your home is 5%, the air has the capacity to hold 20 times more moisture than it contains. If the relative humidity is 100%, then the air is completely saturated with moisture. It's important to note that air will continue to add moisture (humidity) until it reaches its saturation point.

Temperature affects relative humidity, too. Warm air can hold more moisture than cold air. In the winter, when 30° outdoor air with a relative humidity of 50% enters your home and is heated to 70°, its relative humidity plunges to just 12%! Without supplemental moisture your home quickly becomes "bone dry."

Humidity requirements in GPD based on house size and type of construction (from ARI Guideline F)

Type of Construction	Size of house (sq. ft.)*					
	500	1000	1500	2000	2500	3000
Tight	2.1	4.2	6.4	8.5	10.6	12.7
Average	3.3	6.5	9.8	13.1	16.3	19.6
Loose	4.6	9.2	13.8	18.4	23.0	27.6

*Based on 8ft. ceiling height

Humidity based on a 70°F-30% relative humidity indoor conditions using ARI Guideline F Humidity Load Determination Method.

Model No.	GPD*	Loose	Average	Tight
1042DME	19.2	2086	2964	4571

*NOTE: Figures are based on an 8ft. ceiling height. GPD shown is a 140° plenum temperature. Square footage may be adjusted for other plenum temperatures.

How does humidity AFFECT my comfort?

Since the air in your home is always trying to reach its saturation point, it will absorb water wherever it's found. That means it is stealing moisture from the bodies of you and your children, your pets, your furniture and even your house plants. By giving up moisture to the air, your skin, throat and nasal passages dry out and crack, leading to various physical discomforts. That's why many doctors recommend humidifiers for allergy and asthma sufferers.

Research has shown that 30% – 60% relative humidity is ideal. Outside this range, bacteria, fungi, viruses and mites thrive and multiply. As these creatures increase in number, so does your risk of being adversely affected.

Are there any other BENEFITS to properly conditioned air?

Yes, it can help you save energy! Warm, humid summer air feels hotter than it actually is because of the moisture it contains. That same principle applies to your home in the winter. By keeping the relative humidity inside your home at an ideal level, you can turn your thermostat down a few degrees and still feel comfortable. Dialing down your thermostat just three degrees can reduce your heating bill by as much as 5%.

Model 1042DME

Humidifier

- A highly efficient flow-through unit that delivers 19.2 GPD. (Replacement pad part number 990-13.)
- Ideal for Add-on/Replacement and new home installations.
- A portion of the heated air from the furnace passes through a water-soaked pad where it absorbs additional moisture and then returns for distribution throughout your home.
- Includes all materials and parts normally required for installation:
 - E1 Temperature Compensating Humidistat
 - Adaptor plate option
 - Bypass pipe assembly
 - Low Voltage wire
 - Water tube supply kit
- 2 year limited warranty.



Optional accessories

E-1 Temperature Compensating Humidistat (Included)

The E1 Electronic Temperature Compensating Humidistat provides automatic low voltage control of most humidifiers. The humidistat uses microchip electronics for precise control and is designed for wall mounting in the living area or mounting on the return air duct.



Model 975 Pump Kit

Motor driven, adjustable flow centrifugal pump complete with reservoir, float level control, supply hose and hose clamps. For use with 1040, 1042, 1099 series and other drain type humidifiers. Eliminates drain requirements. 115V, 60 cy.



G-98 Indoor Humidity/Temperature Gage

Hand held or wall mounted, solid state sensing of household temperature and humidity, minimum and maximum reading stored, Celsius or Fahrenheit, batteries not included.

