

Legacy Model 1042 Humidifier

Breathe Healthier

Control Indoor Humidity

Installing a GeneralAire® Whole House Humidifier can reduce allergy and asthma symptoms, minimize risk of infection, protect valuables (such as furniture, woodwork and musical instruments) **and** save you money.




WebREPS
800-810-3280



How the 1042 Works:

Your furnace sends warm air through a water-soaked Vapor Pad® inside your humidifier, where it absorbs additional moisture. Newly-moistened air is then distributed throughout your home to provide healthier indoor air for you and your family.

Install a humidifier in your home to:

Protect your family's health:

Low humidity is where viruses can thrive and cause your throat and nasal passages to dry. This leads to nose bleeds, increased risk of infection, colds, flu and other respiratory ailments. Dry air can trigger asthma and allergy symptoms. Air that's too dry causes dry/itchy/cracked skin.

Protect your valuables:

Dry air in your home can cause expensive artwork, wood flooring, cabinets, furniture and musical instruments to crack. Dry air increases annoying static shocks that can damage electronics.

Save Money:

Since dry air can cause woodwork to crack, resulting gaps in windows & doors let cold outside air in. In addition, dry air feels colder. Take the chill out with a 1042. Turn your thermostat down and save money.



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 winter.

When cold, dry air enters your home and is warmed to room temperature, the relative humidity 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.

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% to 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 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%.

Expected Humidity Performance. Coverage in Sq. Ft. based on infiltration rates (Air Changes/Hour) assuming total 8 hour avg. furnace run time in 24 hour period.

Series Model No.	Loose (.75ACH)	Average (.50ACH)	Tight (.30ACH)
1042	800	1200	2000
1099	1285	1925	3225
1137	1175	1770	3000

Humidifier Performance Baseline Criteria:

Outside Design Temp	0°F
Outside Design RH	70%
Inside Design Temp	70°F
Inside Design RH	30%
Ceiling Height	8Ft.
Plenum Temp	120°F

Test results derived from cold water supply application.



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Model 1042DMM Legacy Series Humidifier

- MHX3 Select-Control Manual Humidistat is included.
- A highly efficient flow-through unit that delivers 19.2 GPD.
- Replacement evaporator pad number 990-13.

Specifications

The 1042 DMM comes with all accessories and materials required for a normal cold water installation.

Parts Included:

- GF-1042 DMM Humidifier with Damper
- MHX3 Select-Control Manual Humidistat
- 24V Stainless Steel Solenoid Valve
- Narrow Plenum Adapter Plate
- Self-Tapping Saddle Valve
- Cold Water Supply Kit
- Flexible Bypass With Collars
- Drain Hose With Clamp
- Low Voltage Wire
- Mounting Hardware

Applications: Warm Air Furnace Supply Or Return Installation.

Unit Size: 15" Wide X 11 1/2" High X 9" Deep

Plenum Opening: 10 1/4" Wide X 9.25" High or X 9 1/4 Wide X 9 1/2" High

5-Year Manufacturer's Limited Warranty: Covers defects in materials and workmanship of the product only. Labour excluded.

Model 1042DMD Legacy Series Humidifier



Parts Included:

- Same as above except for the humidistat



- GFX3 Digital Humidistat that features a manual or automatic mode with an outdoor sensor.



GeneralAire® Models GF1042LH
Flow Through Humidifier

Spec Sheet

Specifications:

- **Model:** 1042LH Legacy Flow Through Humidifier
- **Type:** Flow Through
- **GPD:** 17 Based on 120°F / 49°C Degree Plenum Temperature
- **Warranty:** 5 Years
- **Replacement Vapor Pad®:** GF990-13 (Replace 1-2 times per season)
- **Dimensions:** 15" W x 11.5" H x 9" D
- **Weight:** 13 Lbs.
- **Home Size:** To 2,800 Sq. Ft.
- **Installation:** Warm Air Plenum / Right or Left
- **Plenum Opening:** 10.25" W X 9.5" H
- **Bypass Duct:** 6"
- **Pallet Qty:** 30
- **Cabinet Construction:** DuraPlast® Ultra-Violet Stable Automotive Grade Plastic
- **Humidistat:** Models: MHX3 (Included)
- **In Box:** Humidifier, humidistat, Installation Instructions, Vapor Pad®, Parts Kit, Drain Hose, Transformer, Metal Distributor Tube, Damper, 15' 5/8" Drain Hose, Drain Pan, Solenoid Valve.
- **Voltage:** 24V

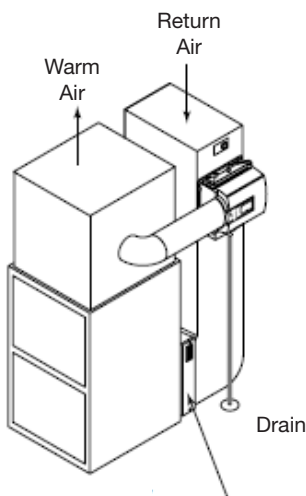


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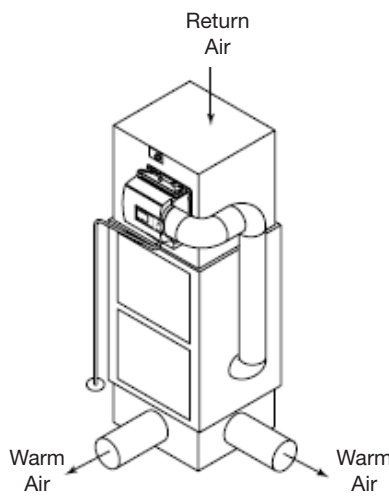
MHX3
Manual Humidistat
Included

Typical Installations

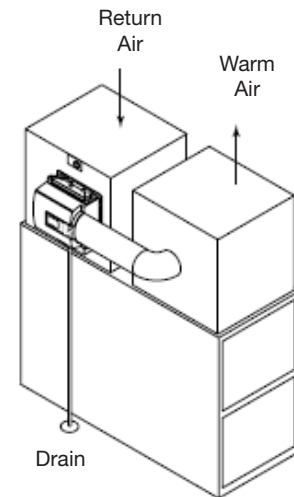


High Boy

GeneralAire® High Efficiency
AC Series Air Cleaner



Counter Flow



Low Boy



General Filters, Inc.
43800 Grand River Avenue
Novi, Michigan 48375
Toll Free: (866) 476-5101
www.generalaire.com



Canadian General Filters, Ltd.
400 Midwest Rd.
Toronto, ON M1P3A9 Canada
Toll Free: (888) 216-9184
www.cgfproducts.com





GeneralAire® Models GF1042LH
Flow Through Humidifier

Spec Sheet



Expected Humidity Performance Coverage in Sq. Ft. Based on Construction Type:

Model No.	GPD	Loose (0.75 AC/H)	Average (0.50 AC/H)	Tight (0.30 A/CH)
1042LH	17	800 Sq. Ft.	1500 Sq. Ft.	2800 Sq. Ft.
1099LHS	19	1175 Sq. Ft.	1770 Sq. Ft.	3000 Sq. Ft.
1137	18	1175 Sq. Ft.	1770 Sq. Ft.	3000 Sq. Ft.
SL16	17	800 Sq. Ft.	1500 Sq. Ft.	2800 Sq. Ft.

Go to www.generalaire.com / support center / humidification calculator to assist in humidifier selection.

Humidifier Performance Baseline Criteria

Outside Design Temp.	0°F (-18°C)
Outside Design R.H.	70% R.H.
Inside Design Temp.	70°F (21°C)
Inside Design R.H.	30% R.H.
Air Changes / Hour (AC/H)	0.30
Ceiling Height	8 ft.
Furnace Plenum Temp.	120°F (49°C)
Furnace Run Time for Calculating Sq. Ft.	8 Hr. / Day

Recommended Settings:

At Outside Temperature		Recommended Setting
-20°F	-29°C	15%
-10°F	-23°C	20%
0°F	-18°C	25%
10°F	-12°C	30%
20°F	-7°C	35%
30°F	-1°C	40%



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