

# Model SL16

Legacy Series Flow Through Humidifier  
(GFI #5000)

## *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.



### How the SL16 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 air for you and your family.

Details inside or go to: [www.generalfilters.com/modelSL16](http://www.generalfilters.com/modelSL16)

### Install a humidifier in your home to:

#### Protect your family's health:

Low humidity is where viruses can thrive, causing 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 an SL16. Turn your thermostat down and save money.

Manufacturers of Whole House Indoor Air Quality Products. In Business Since 1937.  
Humidifiers - Dehumidifiers - Air Cleaners - UV Air Purifiers - Heat/Energy Recovery Ventilators

[www.generalfilters.com](http://www.generalfilters.com)



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## Why Whole-House Humidification Vs Portable Room Units?

See the top reasons below why a whole-house humidifier is a better option for your home than a portable room unit:

	<b>GeneralAire® Model SL16 Whole House Humidifier</b>	<b>Portable Humidifier Units</b>
<b>Controls humidity in every room of your house</b>	Yes. You will benefit from proper humidification throughout your home.	No. You'll need to purchase a unit for every room in your house.
<b>Quiet Operation</b>	GeneralAire® Model SL16 Whole House Humidifier	No. Portable units are noisy and take up space in your rooms.
<b>Minimal Maintenance</b>	GeneralAire® Model SL16 Whole House Humidifier	No. You'll need to constantly be re-filling and cleaning water pans.

### Selecting a Humidifier

There are several considerations when selecting a humidifier for your home:

1. Size of your home
2. Number of HVAC systems in your home
3. Type of humidification preferred
4. Maintenance requirements
5. Age of your home
6. Your climate
7. Cost to operate
8. Home project status

We recommend speaking with a licensed contractor for assistance with your humidifier selection and installation. Use our "Find a Contractor" tool on [www.generalfilters.com](http://www.generalfilters.com) for a list of contractors in your area.

### Ideal Humidity Levels

Research has shown that 40% to 60% relative humidity provides a comfortable environment for your woodwork, your furniture, your plants, your pets and especially you and your family.

### How Much Humidity Do I Need?

#### Calculate the Total Cubic Feet of Home

Total Home Square Footage X Average Ceiling Height  
(Include the basement)

#### Calculate the Load (lbs/hr)

Total Cubic Feet X Desired Condition Factor (Table Below)  
X 1.05 For Each Fireplace

#### Calculate Gallons Per Day (GPD)

Gallons Per Day = Load (lbs/hr) X 2.88

### Desired Condition Factor Table

Indoor Air Temp °F	Indoor RH%			
	35%	40%	45%	50%
68	0.00015	0.00018	0.00021	0.00024
70	0.00017	0.00020	0.00023	0.00026
72	0.00019	0.00022	0.00025	0.00028



Use the Humidification Calculator on our website to assist you in selecting the right humidifier for your home.

[www.generalfilters.com/humiditycalculator](http://www.generalfilters.com/humiditycalculator)

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## Cover Tab (Found on Both Sides at Top)

- Slightly lift bottom of tabs up / out from unit to "swing" cover open and down for easy maintenance of unit.

## Cover

- Made with DuraPlast®; an ultra-violet stable automotive-grade plastic for long-lasting durability.
- Cover remains attached at bottom for easy replacement.
- Cover can be easily removed in small / tight spaces.
- No tools are required to remove cover.
- User-friendly annual Vapor Pad® replacement and maintenance!

## Solenoid Valve Assembly

16 1/2" High

## Water Intake Valve

- Brings water into unit and to the distributor trough.

## Distribution Trough

(Inside)

- Features the patented KineticFlo water distribution system.
- Ensures every square inch of the Vapor Pad® is covered for consistent evaporation throughout.

9 3/4" Deep

12" Wide

## Bypass Duct

- Mount to left or right.

## Left Bypass Cover

## Water Drain Tube

- For automatic draining of water from unit.

**New!**

## MHX3 Manual Humidistat

Included with your Model SL16



## Easy-to-Use Dial

Simply turn the dial to the desired humidity level for your comfort.

## Contemporary Design

## Maintenance


Maintenance of your new GeneralAire® SL16 Legacy Flow Through Humidifier is minimal. To ensure peak performance and reliable operation, simply change your Vapor Pad® once per year and clean mineral deposits from the water pan. A solution of 1/2 vinegar and 1/2 water is suggested.

Date of Installation: \_\_\_\_\_

Contractor's Contact Information:

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Model SL16 Specifications		1042LH Performance Baseline Criteria				
GPD	19	Outside Design Temp	0° F (-18° C)			
Home Size	2,800 Sq. Ft.	Outside Design RH	70%			
Bypass Duct	6"; mount to left or right	Inside Design Temp	70° F (21° C)			
Type	Flow Through Vapor Pad®	Inside Design RH	30%			
Unit Dimensions	12" W x 16 1/2" H x 9 3/4" D	Ceiling Height	8'			
Plenum Opening	7 1/2" W x 8 1/4" H	Plenum Temperature	120° F (49° C)			
Operation	Water Evaporation Via Furnace Heat	Loose (.75 ACH)	800			
Replacement Vapor Pad®	990-13 (GFI #7002)	Average (.50 ACH)	1200			
Pallet Quantity	40	Tight (.30 ACH)	2000			
Fan Control	3-Speed	<ul style="list-style-type: none"> <li>• Test results are from cold water application</li> <li>• GPD shown is at 140° Plenum Temperature</li> <li>• Performance assumes 8 hour average furnace run time in 24-hour period.</li> </ul>				
Warranty	5 Years					
		House Construction Quality				
		Series Model No.	GPD	Loose (.75ACH)	Average (.50ACH)	Tight (.30ACH)
		1042LH	19	800	1200	2000
		1099LHS	23	1285	1925	3225
		1137	21	1175	1770	3000
SL16	19	800	1200	2000		

## Inside the Box:

- The SL16 Humidifier
- Warranty Card
- Installation Manual
- Vapor Pad®
- MHX3 Manual Control Duct Mount Humidistat Included  
(Order part #7053 to mount on wall.)
- Parts Kit
- Drain Hose
- Transformer
- Solenoid Valve



Purchase replacement parts from your local wholesaler, a licensed contractor or from our website:  
[www.generalfilters/part](http://www.generalfilters/part)



[www.generalfilters.com](http://www.generalfilters.com)



Our Other Brands



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