

Model 1099LHS

Legacy Series Flow Through Humidifiers
Residential Whole-House (GFI #5015)

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 1099LHS Works:

Your furnace sends warm air through the unit, evaporating water within. Moistened air is then delivered throughout your home via your home's duct system to keep your air healthy.

Details inside or go to: www.generalfilters.com/model1099LHS

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 1099LHS. Turn your thermostat down and save money.

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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 unit:

| | GeneralAire® Model 1099LHS Whole-House Humidifier | Portable Humidifier Units |
|--|--|--|
| Controls humidity in every room of your house | Yes. You will benefit from proper humidification throughout your home. | No. You'll need to purchase a unit for every room in your house. |
| Quiet operation | Yes. Your system will be so quiet you'll forget it's there. | No. Portable units are noisy and take up space in your rooms. |
| Minimal maintenance | Yes. Maintenance is only one time per year! | No. You'll need to constantly be re-filling and cleaning water pans. |

Selecting a Humidifier

Considerations for selecting a whole house humidifier can include:

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 building / woodwork projects

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 for a list of contractors in your area.

Ideal Humidity Level

Research has shown that 40% to 60% relative humidity provides a comfortable *and healthy* environment for your woodwork, furniture, 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

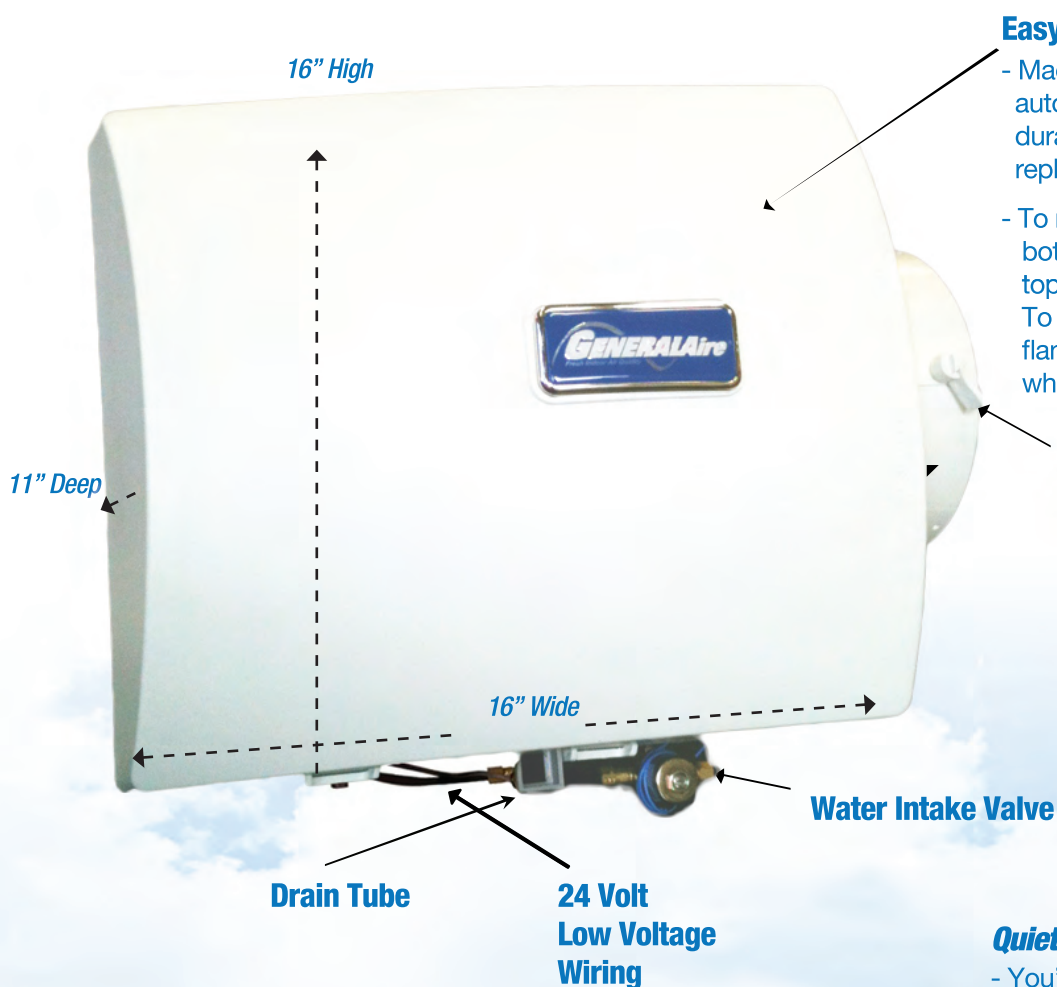
Manufacturers of Whole-House Residential Indoor Air Quality Products. In Business Since 1937.
Humidifiers - Dehumidifiers - Air Cleaners - UV Air Purifiers - Heat/Energy Recovery Ventilators

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Easy Access Cover

- Made with DuraPlast®; an ultra-violet stable automotive-grade plastic for long-lasting durability. Easily removed for Vapor Pad® replacement and maintenance.
- To remove cover: gently release tab at bottom of unit, pull cover away and lift off top tabs / flange (tabs not shown in photo). To replace cover: Hang first on top tabs / flange, hear bottom tab “click” in place when fully engaged.

Damper Control Knob

- Open during use.

Bypass Duct

- Can be mounted to the left or right.

Water Intake Valve

Drain Tube

24 Volt Low Voltage Wiring

Quiet Operation

- You'll forget it's there!

NEW!

MHX3 Manual Humidistat

Included with Your Model 1099LHS



Easy-to-Use Dial

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

Contemporary Design

Maintenance

Maintenance of your new GeneralAire® 1099LHS Legacy Series Flow Through Humidifier is minimal. To ensure peak performance and reliable operation, simply change your Vapor Pad® once per year!

Date of Installation: _____

Contractor's Contact Information:


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| Model 1099LHS Specifications | |
|------------------------------|--|
| Gallons Per Day | 23 |
| Home Size | Up to 3,000 Sq. Ft. |
| Type | Flow Through Vapor Pad® |
| Unit Dimensions | 16" W x 16" H x 11" D |
| Weight | 15 Lbs. |
| Plenum Opening | 13 1/4" W x 9 1/4" H |
| Duct Opening | 7" (Assembly Supplied) |
| Operation | Water Evaporation Via Furnace Heat & Fan |
| Valve | Saddle Valve & Solenoid Valve |
| Evaporator Sleeve | GA23 GFI #7923 or 1099-20 (GFI #7047) (Replace Once Per Year) |
| Pallet Quantity | 30 |
| Mounting | Return Air Duct or Warm Air Plenum |
| Warranty | Five Years  |

| 1099LHS Performance Baseline Criteria | |
|---------------------------------------|----------------|
| Outside Design Temp | 0° F (-18° C) |
| Outside Design RH | 70% |
| Inside Design Temp | 70° F (21° C) |
| Inside Design RH | 30% |
| Ceiling Height | 8' |
| Plenum Temperature | 120° F (49° C) |
| Loose (.75 ACH) | 1285 |
| Average (.50 ACH) | 1925 |
| Tight (.30 ACH) | 3225 |

- Test results are from cold water application
- GPD shown is at 140° Plenum Temperature
- Performance assumes 8 hour average furnace run time in 24-hour period.

Inside the Box

- Model 1099LHS Legacy Humidifier
- Warranty Card
- Installation Manual
- Duct Cutout Templates
- Evaporator Pad
- 7" Connecting Collar
- 24 V Transformer
- Parts Bag
- Parts Bag With Solenoid Valve & Saddle Valve
- MHX3 Manual Control, Duct Mount Humidistat. (Order part number #7053 to mount on wall.)



Purchase replacement parts from your local wholesaler, a licensed contractor or our website:

www.generalfilters.com/parts



www.generalfilters.com



Our Other Brands



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