

Models DS: 50, 50LC

Elite Series Steam Humidifiers
Residential Whole-House (GFI #5530, 5535)

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 Elite Steam Series Works:

Your steam humidifier passes electric current between electrodes inside the unit's cylinder, heating the water within to create steam. The steam is then dispersed throughout your home via the duct system.

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

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 an Elite Steam Humidifier. Turn your thermostat down and save money.

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

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:

	GeneralAire® Elite Steam Series Whole House Humidifiers	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 Steam Humidifier - 4 Easy Steps!

1. Determine the Sq. Ft. of your home (basement included).
2. Determine the Gallons Per Day your home will need to achieve desired humidity levels. (Use the calculation to the right to determine Gallons Per Day.)
3. Using our water conductivity tester, test the water for electrical conductivity (measured in microSiemens per centimeter (µs/cm).
 - * 200 to 500 µs/cm requires a Low Conductivity (LC) model.
 - * 500 to 1,250 µs/cm requires a regular steam model.
4. Select the Room Steam (RS) or Duct Steam (DS) model that provides the Gallons Per Day (GPD), and either a regular or LC model based on your water conductivity results. If selecting a DS Model, choose an installation kit (required for DS models).

Speak with a licensed contractor for assistance with your steam humidifier selection, installation and maintenance. 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

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

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- Steam humidification is very effective for homes over 3,000 Sq. Ft.
- Steam humidifiers deliver humidity without requiring heat from your furnace.

Constant Control Monitoring & Diagnostics

- Ensures your unit is working properly and indicates when maintenance needs to be performed.
- Auto flush with inactivity.

DS Models 50/50LC

- Designed for homes up to 10,000 square feet!
- Installation kit required.
- Duct steam injection.
- Alarm relay to home security and home management systems standard.
- Adjustable output range from 20% to 100%.

Cover

- UL94 HB-rated plastic for durability and safety.
- Easy to clean.

Inside:

- Built-in drain tempering.
- Extended life cylinder control logic.
- Replaceable steam cylinder.

Steam Cylinder:

- Electrodes maintain 95% capacity throughout life of cylinder.
- Internal control module automatically regulates water levels for proper steam output.

GFX50 ON/OFF Modulating Humidistat

Included with All DS50 / DS50LC Models



- Automatic or Manual Control. Outdoor Sensor Provided.
- Can be used as a humidistat or dehumidistat.
- Easy to Use.
- Extremely Accurate!
- Contemporary Design!
- Wall or Duct Mount.
- LCD Backlit Readout (Easy to read / understand).
- Humidity Range from 10% to 70%
- Built to Last!

Maintenance

Maintenance of your new steam humidifier is minimal. As water evaporates inside the steam cylinder, minerals left behind are flushed down the drain. Over time some minerals build up on the cylinder walls and electrodes. When you see an "E6 Cylinder Exhausted" message (approximately once per year), it is time to replace the steam cylinder. **(For your safety and the longevity of your steam humidifier, all maintenance and repairs should be performed by a licensed contractor.)**




Date of Installation: _____

Contractor's Contact Information:

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GeneralAire® Steam Model	Power Supply (single phase)	Steam Output (lbs/hr)	GPD	Dimensions		
				W	H	D
DS15P (Duct Steam Model)	120Vac 50/60Hz	5.5	15.8	13 1/8	23 3/4	8 1/4
RS15P (Room Steam Model)	120Vac 50/60Hz	5.5	15.8	13 1/8	23 3/4	8 1/4
DS (25 / 25LC) (Duct Steam Models)	230Vac 50/60Hz	9-12	25-35	13 1/8	23 3/4	8 1/4
RS (25 / 25LC) (Room Steam Models)	230Vac 50/60Hz	9-12	25-35	13 1/8	23 3/4	8 1/4
DS (50 / 50LC) (Duct Steam Models)	230Vac 50/60Hz	20	50-58	17.5	31 1/2	11 1/2

DS50/DS50LC Specifications	
Type	Electrode Steam
Weight	46 Lbs.
Replacement Cylinders	DS50 = 50-14 (GFI #7624); DS50LC = 50-15 (GFI #7635)
Pallet Quantity	4
Mounting	Wall Mount
Warranty	Two Years 

Optional Accessories

AP-2 Conductivity Meter
GFI #7066



610 Digital Thermohygrometer
GFI #7065

Measures:

- Temperature
- Humidity Level



Inside the Box DS50 & DS0LC

- Warranty Card
- Installation Manual
- Installation Kit
- GFX50 ON / OFF Modulating Humidistat
- 8 ft Steam Hose
- 12" Stainless Steel Manifold
- Air Proving Pressure Switch
- Water Fill Connector
- Water Supply Tubing
- GCV342 Code Valve
- Condensate Hose



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



www.generalfilters.com



Our Other Brands



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