

# GENERALAire

Fresh Indoor Air Quality



Model DS50

## Elite Steam Humidifiers

### Home Comfort Features

- Integrated smart monitoring drain pump assembly
- Duct mount design with 12" stainless steel steam manifold
- 230V - 1 phase
- Self contained immersed electrode design
- Disposable steam generating cylinder
- High water level and foam detection monitoring
- Drain Tempering
- Capacities from 50 to 58 gallons
- 20% adjustable capacity from rated max output
- Integrated AHU fan relay for on demand humidification
- LCD display with numerical and icon driven menu
- Constant control monitoring and diagnostics
- Pure sterile steam delivering premium indoor air quality
- GFX50 On/Off/Modulating wall mount humidistat

\*LC designates model with low conductivity cylinder

### **GeneralAire Elite Steam Humidifier is an investment that pays dividends Everyday**

*We all have an investment in our health, homes and its furnishings. Protecting those investments from the dry air may not seem like an important task, but the effects of dry air are astounding*

- Dry nose and throat
- Itchy dry skin
- Cracking of expensive woodwork and floors
- Damage to household furnishings
- Static electricity shocks that can damage computers, VCRs and other electronic equipment
- Dry air pulls moisture from delicate membranes in your nose, throat and lungs and food doesn't taste as good
- Sleeping becomes difficult and your mental concentration is affected

**Elegant Styling designed to deliver precise humidification comfort.**

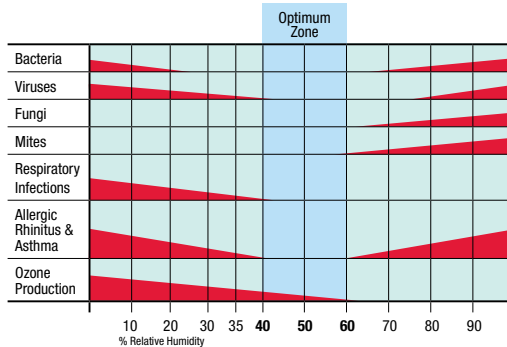
**Dry air is like a sponge,**  
it soaks up moisture from wherever it can find it.

When air becomes too dry, moisture is drawn from people, plants, wood, wool, cotton and even your pets. The results can be damaging, expensive and uncomfortable.

**Humidity For Comfort**

Research has shown that 35% to 60% relative humidity is ideal for today's homes.

Outside this range, bacteria, fungi, viruses and mites thrive. Proper relative humidity provides a comfortable environment for your woodwork, your furniture, your plants, your pets and especially you and your family.



**Humidity Can Save Money Too!**

As moisture evaporates from your body, it cools the surface of your skin, making you feel cooler. Controlled humidity from GENERALAire's Elite Steam Humidifier allows you the luxury of dialing the thermostat back, thus reducing annual heating bills. For example, 68°F at 40% relative humidity feels just as warm as 74°F at 20% relative humidity. Setting your thermostat back by as little as three degrees can reduce annual heating bills by as much as 5%.

**How much Humidity is right?**

**Calculate the total cubic feet of house**

- Total square footage X Average ceiling height

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

- Total cubic feet X Table desired condition
- Gallons per day = Load (lbs/hr) X 2.88
- Add 5% to humidity load per fireplace

**Pounds of Moisture per Cubic Foot  
(based on .5 air changes per hour)**

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

**Specifications**

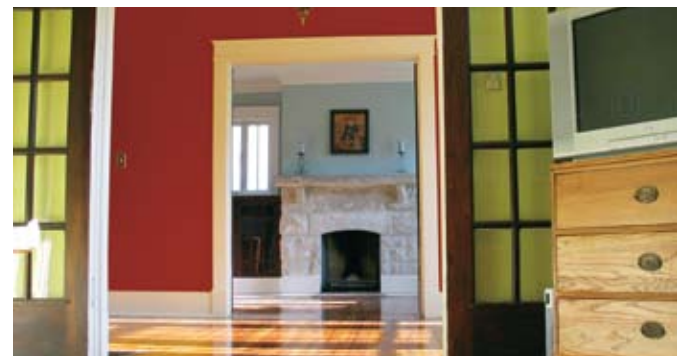
Model	Power Supply (single phase)	Steam Output (lbs/hr)	Gallons per Day	Dimensions		
				Width	Height	Depth
DS50	230Vac 50/60Hz	20	50-58	18	30 1/2	12 1/4
DS50LC	230Vac 50/60Hz	20	50-58	18	30 1/2	12 1/4

**DS50 / DS50LC**

**Steam Humidifier Includes:**

- 8 ft Steam Hose
- 12" Stainless Steel Manifold
- GFX50 On/Off/Modulating Wall Mount Humidistat
- GCV342 Code Valve
- Water Fill Connector
- Condensate Hose
- Water Supply Tubing
- Air Proving Pressure Switch

\*LC designates model with low conductivity cylinder



Canadian General Filters, Ltd.  
Toronto Ontario  
www.CGFPProducts.com  
(416) 757-3691

**Toll Free (866) 476-5101**



General Filters, Inc.  
Novi Michigan  
www.GENERALAire.com