



# G100-ES | Power Flow-Thru Humidifier

## TECHNICAL DATA



### Create a Healthier, More Comfortable Indoor Climate

Everyone can benefit from properly-humidified air. And Herrmidifier humidifiers help maintain the healthiest level of relative humidity possible. That means increased comfort and decreased levels of bacteria, viruses, fungus, and mites.

### Save on Energy Costs While Improving Comfort

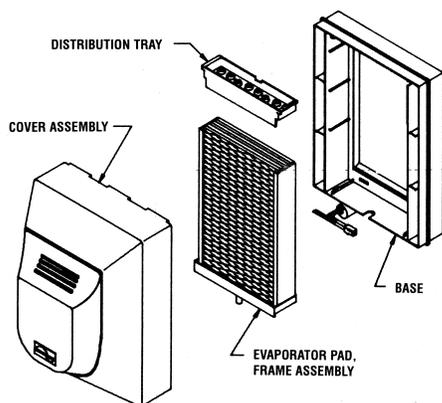
Increasing a home's relative humidity makes it feel more comfortable at 68°F / 20°C than it does at 73°F / 23°C at a low relative humidity level. And lower thermostat settings deliver substantial savings on monthly energy bills.

### Protect Fine Furniture

Proper humidification can also protect fine wood furniture, pianos, cabinets, fabrics, and floors. That's because wood tends to shrink, split, and crack in an environment that is too dry. Adding the proper amount of moisture to the air helps eliminate these problems.

### With the G100-ES Power Flow-Thru Humidifier You Get:

- **Quick-and-Easy Assembly & Installation** — With a self-piercing saddle valve, a 24 V brass solenoid valve, and just two screws needed to secure the cover, these units can be assembled in minutes and mounted on a 14" (356 mm) wide duct.
- **High Capacity** — This tiny unit distributes a whopping 19 gallons per day, at 120°F (3.0 LPH @ 48.8°C).
- **Power-Assisted Humidification** — 120 V, 1/20 hp (0.037 kW) fan motor helps deliver maximum humidity from this small unit.
- **More Evaporative Area** — Thanks to a deeper evaporator pad (2" thickness – 51 mm).
- **Flexible Humidity Control** — The wall- or duct-mounted humidistat adjusts from 20% to 80% relative humidity.
- **Attractive Design** — The neutral beige color blends in nicely with almost any decor.
- **2-Year Warranty**



### How Herrmidifier Humidifiers Work

This fan-assisted, evaporative humidifier is installed onto the supply duct, where warm dry air is forced across a moistened evaporator pad (wetted through the home's water supply), creating a superfine mist that is released into the indoor air. The adjustable, precision-made humidistat allows you to choose the optimum level of relative humidity for indoor comfort.



engineered humidification systems

# G100-ES POWER FLOW-THRU HUMIDIFIER

MODEL	G100-ES
PART NO.	351453-001
TYPE OF UNIT	Power-assisted flow-thru
VOLTAGE	120 V, 60 Hz – 1/20 hp (0.037 kW) motor
SOLENOID VALVE	24 V Brass, rated for 150 psi (10.34 bar)
EVAPORATOR PAD	G-116-6 (6 pack only)
EVAP. PAD SIZE INCHES (mm)	9 W x 2 D x 14 H (229 x 51 x 356)
WEIGHT LBS (kg)	13 (5.9) / Shipping – 18 (8.16)
DIMENSIONS INCHES (mm)	13 W x 11 D x 18 H (330 x 279 x 457) / Packaging – 21 <sup>5</sup> / <sub>8</sub> x 16 <sup>5</sup> / <sub>8</sub> x 15 <sup>1</sup> / <sub>4</sub> (549 x 422 x 384)
DUCT OPENING	12 W x 15 H (305 x 381)
HUMIDISTAT	Adjustable from 20% to 80% R.H.
DRAIN	1/2" (12.8 mm) O.D.

## Evaporative Supply Capacity — Gallons per day (Liters per hour)

FURNACE TEMPERATURE	SUPPLY SIDE
100°F / 37.7°C	14.5 (2.3)
120°F / 48.8°C	19.0 (3.0)
140°F / 60°C	24.0 (3.8)

## Humidifier Capacity Selection Guide — Gallons per day (Liters per hour)

SQUARE FOOTAGE (METERS) OF HOME	TIGHT* HOUSE	AVERAGE* HOUSE	LOOSE* HOUSE
1000 (92.9 m <sup>2</sup> )	0.5 (0.08)	5.0 (0.8)	10.0 (1.6)
1500 (139.4 m <sup>2</sup> )	3.0 (0.5)	10.0 (1.6)	16.5 (2.6)
2000 (185.8 m <sup>2</sup> )	5.0 (0.8)	14.0 (2.2)	24.0 (3.8)
2500 (232.3 m <sup>2</sup> )	7.5 (1.2)	19.0 (3.0)	30.5 (4.8)
3000 (278.7 m <sup>2</sup> )	10.0 (1.6)	23.5 (3.7)	37.5 (5.9)
3500 (325.2 m <sup>2</sup> )	14.5 (2.3)	33.0 (5.2)	51.5 (8.1)

\* Refers to the insulation quality.



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FEDDERS INDOOR AIR QUALITY SOLUTIONS

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