

592 Spray Humidifier

Central System Spray Humidifier



For Use in Specialized Applications Only!

Model 592 Product Features

Skuttle's central-system Spray Humidifier, Skuttle Model 592, is specially designed for fossil fuel furnaces. The unit measures just 6-1/2 in. (16.51 cm) wide, 5-5/8 in. (14.29 cm) high and 3 in. (7.62 cm) deep. Spray Humidifiers should be used only in regions where the water is naturally soft.

- Durable, stainless steel atomizing nozzles allow customized humidification and are easy to maintain
- Inline water filter provides dependable, long-term operation
- Green light indicates when unit is operating
- Uses minimal water and electricity, making it economical to operate and environmentally friendly.



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Specifications

Dimensions 4-1/2"H x 6-1/2"W x 3"D
Plenum Opening 4: high x 5: wide
Extension into Plenum 2-3/8" past mounting surface
Solenoid Valve 24 volt, 6 watt, brass construction
Standard Nozzle Size 0.50 GPH

How Spray Humidifiers Work

Activated by the humidistat (which monitors the home's relative humidity), the Skuttle Spray Humidifier releases a fine mist into the heating system's ductwork, where it is distributed evenly throughout the home by the furnace blower. A green light indicates when the unit is operating. Three sizes of stainless steel atomizing nozzles allow your contractor to customize the humidifier to your home's cubic footage and water pressure.

Maintenance

To ensure continuous, trouble-free operation of the humidifier, the spray nozzle should be replaced and the inline water filter cleaned at the end of each heating season. This can be done by either the homeowner or an HVAC technician. The humidifier and the connecting water valve must be turned OFF at the end of each heating season.

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- Water hardness must be 7 grains or less
- Water pressure must be 40 PSI or greater
- There must be 6 feet of straight, unimpeded ductwork after the spray nozzle
- There must be no dead air space in the ductwork within 6 feet of the spray nozzle, where unevaporated water can collect
- Copper catch basin collects afterflow
- Installs on ductwork as small as 12" x 12"

IMPORTANT!

Installation of an **A50 Interface Relay** is recommended to ensure blower operation during humidifier cycle.



Spray Nozzle Selection Chart

Part No.	Nozzle Size	40 PSI		60 PSI		80 PSI		100 PSI		120 PSI	
		GPH	GPD	GPH	GPD	GPH	GPD	GPH	GPD	GPH	GPD
1106-017	0.37	0.37	8.88	0.46	11.04	0.53	12.72	0.59	14.16	0.65	15.60
1106-018*	0.50	0.50	12.00	0.61	14.64	0.71	17.04	0.79	18.96	0.86	20.64
1106-019	0.75	0.75	18.00	0.92	22.08	1.05	25.20	1.18	28.32	1.30	31.20

* Standard Equipment GPH = Gallons per Hour GPD = Gallons per Day



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