

DS-Pro Series

ROTARY DISC HUMIDIFIER

BREAKTHROUGH PERFORMANCE AND EFFICIENCY



Bel-Aire
ElectronicAirCleaners.com

**No Filters
No Pads**

**Eligible for rebate in some municipalities, check with your local water utility*

AutoFlush
for Low Maintenance

PATENTED Self-Cleaning Polycarbonate Disc Wheel Media¹

- **Non-absorbing plastic media prevents scale accumulation on evaporative surface**
 - *No decline in output due to scale fouling*
- **Unmatched evaporative surface area for 'best-in-class' performance**
 - *More effective than flow-through humidifiers for improved humidity control without the aggravations of expensive steam humidifiers*
- **Water-efficient over a wide range of operating temperatures**
 - *Ideal for high-efficiency modulating furnaces, heat pumps, or geothermal*
 - *Recognized as 'best-in-class' by MaP Testing, a leading independent water efficiency and product performance testing organization.*
- **Life-time evaporative media²**
 - *Cleanable plastic media eliminates need for replacement pads or filters³*

¹ US 5,795,505

² 10 year limited warranty on evaporative disc wheel

³ Dishwasher safe and easily cleaned with specialty lime/scale removal cleaners

DS-Pro Series

ROTARY DISC HUMIDIFIER

Features & Benefits

Our flagship patented Rotary Disc humidifier is 100% water efficient, uses very little energy and has a unique long-life cleanable evaporative media that provides up to 14 GPD (2.2 l/hr)¹ of humidity.

WATER EFFICIENT

Closed loop system with 1:1 conversion of water to humidity and no energy loss to drain as seen in flow-through humidifiers. Recognized as 'best-in-class' by MaP Testing, a leading independent water efficiency and product performance testing organization. Visit www.map-testing.com for more information.

REDUCES MAINTENANCE

The patented¹ polycarbonate disc wheel provides 15 square feet of evaporative surface area. Its unsurpassed large surface area and non-absorbent plastic construction helps promote evaporation and allows the humidifier to operate efficiently over a wide range of circulating air temperatures for improved humidity control. Ideal for low temperature heating such as heat pumps and geothermal systems as well high-efficiency, fully modulating furnaces.

REDUCES MAINTENANCE

Self-cleaning action of the polycarbonate disc eliminates performance degradation common in traditional absorbent pads or filters. The minerals left behind through evaporation do not attach to the plastic surface. These become saturated and shed from the disc surface to collect in the bottom of the basin. Mineral accumulations require periodic removal by draining the basin which can be done manually or automatically with the addition of AutoFlush. AutoFlush pumps the standby water and mineral accumulations from the basin using a selectable timer interval set according to local water hardness. The drained water is automatically replaced with clean fresh water.

ECONOMICAL & SUSTAINABLE

The rotary disc humidifier is water efficient, uses very little power, does not require hot water to operate and never needs replacement filters or pads, which saves money and creates less waste. The polycarbonate disc wheel is durable and easily cleaned for lifelong performance without replacement, backed by a 10 year limited warranty.

¹US 5,795,505

Specifications

Model	ROTARY DISC
Sizing	Up to 3200 sq.ft. (300 m ²)
Capacity ¹	14 GPD (2.2 l/h.)
By-pass duct	6" (150 mm Ø)
Plenum opening	7 7/8" (203 mm W) 6" (150 mm H)
Humidistat opening	1" (25 mm W) 0.8" (20 mm H)
Unit dimensions ²	13" (330 mm W) 11" (280 mm H) 12" (305 mm D)
Electrical supply	24VAC (60H)
Motor	4W, 4RPM
AutoFlush	24VAC, 12W ³
Water connection	Cold, 0.25" Ø OD
Drain requirement	No (only w. AutoFlush)
Shipper dimensions	18" (457 mm W) 12" (305 mm D) 12" (305 mm H)
Shipping weight	14 lbs (6.4Kg)

NOTES

1. Based on 120°F/49°C entering air temperature, 165CFM air flow
2. Body only, does not include motor (Drum/Rotary disc)
3. Timer function requires constant power supply, plug-in transformer included

May be eligible for water conservation rebate in some areas, contact your local water utility, or visit us at www.desertspringproducts.com

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