

# DS - Pro Series

## PULSE HUMIDIFIER

### EFFECTIVE AND EFFICIENT

**UP TO 88%  
WATER  
SAVINGS!!\***



#### **SAVE WATER AND ENERGY!**

Ordinary humidifiers send water and energy down your drain!

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

### PATENTED ELECTRONIC PULSE FLOW CONTROLLER



**Saves thousands of gallons of water per season without giving up comfort and performance!**

# DS - Pro Series

## PULSE HUMIDIFIER

### Features & Benefits

#### WATER EFFICIENT FLOW-THROUGH

- Patented<sup>1</sup> electronic water flow control reduces demand for water by up to 88% compared to ordinary flow-through humidifiers. When in operation, the water supply solenoid valve is pulsed on for approximately 4 seconds, sufficient time to soak the entire evaporative pad. Upon saturation, the valve is closed for approximately 30 seconds to allow the dispersed water to evaporate without the waste of excess water flowing into the pad and down the drain. The interval times on this cycle can be changed depending on the type of furnace.

#### FILTER FRAME

- Large replaceable filter pad is encased in a disposable frame designed to retain water during the quenching cycle which further reduces wasted run-off water.

#### WATER HAMMER PROTECTION

- Quiet and reliable operation of DCV solenoid valve is further enhanced by section of engineered rubber hose to absorb potential 'water-hammer' shock.

#### EFFICIENT OPERATION

- The electronic water flow controller limits the amount of waste water which also reduces energy loss from furnace heat which is no longer transferred to the excess flow-through water normally lost down the drain.

#### EASY TO INSTALL

- Universal mounting
- Light weight, compact design. Comes complete with installation kit and humidistat control.

#### WARRANTY

- Limited lifetime warranty on durable plastic frame and door.
- Two years on parts including solenoid valve, humidistat, pulse controller and transformer. Consumables not included.

<sup>1</sup> US Patent 6,354,572, Canadian Patent CA 2,313,402



### Specifications

Model	DS-PFT
Sizing	Up to 3,000 sq. ft. (280 M <sup>2</sup> )
Capacity <sup>1</sup>	13 GPD (2 litres/hr.)
Water efficiency <sup>2</sup>	~90%
By-pass duct	6" (150mm Ø)
Plenum opening	9 1/4" (235mm W) 8 1/4" (210mm H)
Unit dimensions <sup>3</sup>	13 1/4" (337mm W) 11 1/2" (290mm D) 10" (254mm H)
Evaporative pad	9 1/2" (241mm W) 9 1/2" (241mm H) 1 5/8" (41mm D)
Electrical supply	24VAC (60H)
Water connection	0.25" Ø OD
Drain requirement	Yes
Shipper dimensions	13 1/2" (343mm W) 12 3/4" (324mm D) 13 1/4" (337mm H)
Shipping weight	8 lbs (3.6Kg)

#### NOTES

- Based on 120°F/49°C entering air temperature, 165CFM air flow
- Ratio of water used for humidity relative to total water required for cleaning or other purposes
- Body only, does not include solenoid valve
- DC Power taken from output on Pulse Flow Control Unit

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