



AIR and WATER SYSTEMS

P.O. Box 49276 • Charlotte NC 28277
704-588-2603
Fax 704-588-2604
www.airandwatersystems.com

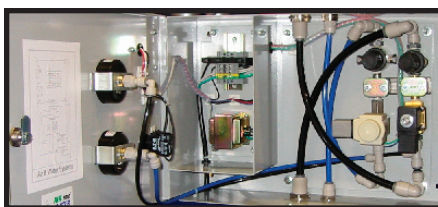
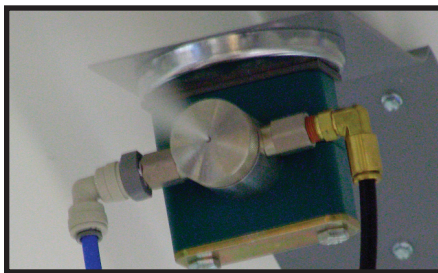


INDUSTRIAL HUMIDIFICATION • PLANT COOLING



CASH: COMPRESSED AIR SPACE HUMIDIFIER

Humidifies up to 100 lbs/hr & spaces up to 10,000 sq ft w/ min. 8' ceilings



Atomizers (5-15 micron spray)

- Stainless Steel Construction.
- Self-Cleaning Pin Completely Clears Buildup.
- Adjustable Direction & Distance of Plume.
- Atomizer Housed in Pipe Clamp with Magnet Mount on L Bracket.
- Atomizer Output: (A) 6, (B) 9, (C) 12, and (D) 15 lbs/hr.
- 0-5 psi Water & 35 psi Air to each Atomizer.

"All In One" Control Panel (Wall Mount) w/ Microprocessor Humidity Sensor

- Uses 1/3 Less Air: Pressurizing water 3-5 psi lowers the actual air consumption by 1/3 vs. other's gravity fed systems.
- Low Pressure Utilities: 35 psi air & 3-5 psi water.
- Ready to Spray Control Panel: completely tested.

CONTROL PANEL SPECIFICATIONS

Power:	120V heavy duty electric cord (max. 10 amps)
Materials:	16 ga. powder coated steel
Inlet Air Pressure:	80 psi minimum, 100 psi maximum
Inlet Water Pressure:	40 psi minimum, 100 psi maximum
Air Control:	110V solenoid & 0-150 psi regulator
Air Consumption:	100 lbs/hr = 15 CFM (maximum)
Water Control:	Stainless steel 110V solenoid & 0-60 psi regulator
Water Consumption:	100 lbs/hr = .2 gpm (maximum)
Drain:	Drain to relieve pressure during on/off cycling
Control Cabinet Size:	12"H x 18"W x 6"D
Weight:	27 lbs.
Humidity Sensor:	Low voltage microprocessor RH control
Operation:	On/Off automatically by ± 2% RH sensor

Compressed Air Requirement Formula:

*1 lb/hr = .034 Hp (needed) to produce .15 scfm @ 80 psi minimum air pressure from compressor to CASH unit producing 35 psi to atomizers.
(100 lbs/hr = 3.4 Hp = 150 scfm compressed air)*

The CASH System Includes:

- Air Supply Tube & Fittings to Atomizers:** 1/2" Black Polytube Air Header Line w/ step down to 3/8 blue tube to atomizer w/ nickel plated brass, push connect fitting on swivel mount, rated at 250 psi.
- Water Supply Tube & Fittings to Atomizers:** 3/8" Blue Polytube Water Header Line transitions to 3/8" blue polytube to atomizer w/ nickel plated brass, push connect fitting on swivel mount, rated at 250 psi.
- Spare Parts Kit:** 1 tube of o-ring lubricant, set of atomizer internal parts (1 o-ring & seal rebuild kit, water nozzle w/ o-ring, piston w/ cleaning needle, & 1 piston spring), 1 polytube cutter.