



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



ARCTICBLAST DUAL FUNCTION WINTER HUMIDIFICATION & SUMMER COOLING SYSTEM VERY HIGH VELOCITY FANS & HIGH PRESSURE WATER ATOMIZATION



For large Industrial Spaces (over 8000 ft² / min. 12' ceilings)

Winter Humidification: fans are pointed horizontal & system maintains desired RH "set point" control.

Summer Cooling: Fans are pointed toward areas for maximum cooling comfort (**6-10° F general cooling & up to 15° F spot cooling**). The zone humidistat sensor "set point" controls water to fans. Fans run continuously for maximum summer air movement & cooling.



KEY FEATURES:

- Accelerated Rate of Evaporation
- Robust humidification, air movement & cooling capability for large spaces.
- "Installer Friendly" – easy to assemble modify or change as needed.

LOW AMPS – HIGH CFM'S

OPERATION: Automatically maintains winter humidity "set point" for each zone with the built in capability for summer cooling comfort in large industrial spaces.

ArcticBlast Product Guide • 3 Year Warranty

Wall, column, ceiling, yoke, or pedestal mount
Output: 8 x 9.3 lbs/hr noz = 74.4 lbs/hr/fan

22" 100' throw
H/C 5000 ft²
5.1 amps
115V / 1/2HP
5800 cfm • 77 dba

26" 135' throw
H/C 7500 ft²
1.8 amps
460V / 1HP
7650 cfm • 86 dba

30" 175' throw
H/C 10,000 ft²
1.8 amps/460V/1HP
12000 cfm • 90 dba



SYSTEM COMPONENTS:

1. Pump Control Station (.3 gpm - 10 gpm)
2. High Pressure 3/8" Flexible Tube
3. Slip-Lok "Push-To-Connect" Fittings
4. Ceramic Insert HP/SS Nozzles
5. Stainless Steel Misting Rings w/ ball valve
6. Very High Velocity Fans w/ eight nozzles