

Smart fog[®]

HUMIDITY FOR LIFE

TS100 IN-DUCT NON-WETTING HUMIDIFICATION SOLUTION

Using our fully automated energy efficient TS100 System specially designed for **SIMPLE INSTALLATION & LOW MAINTENANCE** you'll be able to achieve:

PRECISE, EVEN 24/7 HUMIDITY CONTROL

NO POOLING, WET SPOTS

ELIMINATE DUST, BACTERIA GROWTH



UNIQUE SYSTEM FEATURES

- * **UNIFORM HUMIDITY DISTRIBUTION**
- * **DATA LOGGING OPTION**
- * **INJ-1 INJECTION OPTION**
- * **NON-CLOGGING NOZZLES**
- * **LOW MAINTENANCE**
- * **CUSTOMIZED SOLUTIONS AVAILABLE**
- * **EASILY CONNECTS TO EXISTING BUILDING AUTOMATION SYSTEMS**

Smart Fog introduces first in the industry constant stream cold fog, utilizing intelligent humidity control algorithms, de-correlation technology and condensation proof algorithms. The Smart Fog TS100 system can achieve precisely - a content stream of humidity with zero fluctuation.

The in-duct energy efficient Smart Fog TS100 humidification solution maintains the precise relative humidity level 24/7 without requiring droplet filters, drains or special ducting.

The evenly distributed 4.2 micron droplets efficiently evaporate into the air keeping the duct dry. With both air & water filtration systems in place, the system is kept clean, and therefore no need to worry about introduction of dust or pathogens into the duct.

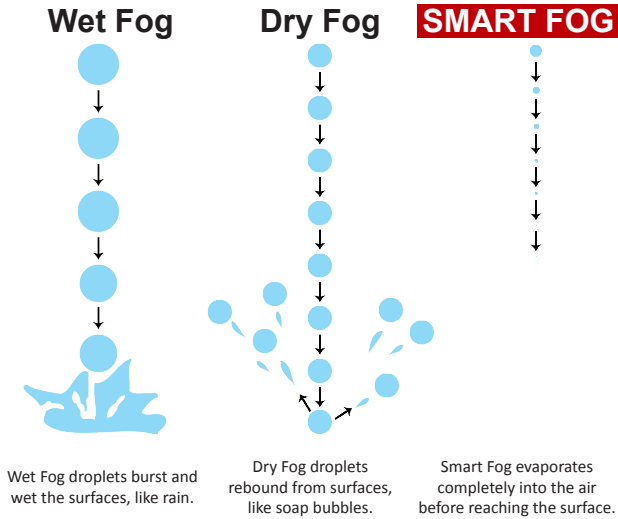
NO POOLING, WET SPOTS
NO DRAIN REQUIRED
NO DROPLET FILTERS/SCREENS

GET A FREE QUOTE TODAY! CALL TOLL FREE: 1-800-701-2513

www.airpurifiersandcleaners.com - info@airpurifiersandcleaners.com



WHAT IS SMART FOG?



“Smart Fog is a fog that does not moisten the exposed surfaces”

The secret of Smart Fog lies in the small droplet size of the water and the engineered spacing between the air and water. Smart Fog has succeeded in manipulating the droplet size to be the smallest in the industry. According to researchers the use of Smart Fog aids in the reduction of dust and air borne bacteria/viruses from the air.

FOG TYPE	DROPLET SIZE (Micron)	TIME FOR PARTICLE TO FALL 10 FEET (IN SECONDS)
Wet Fog	11-49	40 - 1,020
Dry Fog	6-10	1,019 - 12,000
Smart Fog	2-4	12,001 - 25,400

TS100 SYSTEM

The **Smart Fog TS100**, provides a complete solution for maintaining humidity. The system comes with a user friendly control, allowing 24/7 automated control maintaining the required relative humidity.

SYSTEM FEATURES

COMPACT DESIGN

The TS100 System comes in a easy to mount 11"x4" tower with one, two or more Smart Fog nozzles (depending on the size of the duct, air flow etc). A detailed schematic and step-by-step installation manual is provided with the system.

EASY-TO-MAINTAIN MECHANISM

Ease of maintenance by one-touch disassembly. Connection to a optional water filter keeps it in maintenance-free condition. The only maintenance required is to replace the air and water (ZeroTDS Water Filter) filter elements once in 2 years.

RELIABILITY

Smart Fog systems designed for 24/7 continuous duty cycle operation. The nozzles have a life-time warranty and never have to be replaced. Maximum mechanical simplicity providing increased dependability.

SUPPORT

Dedicated timely support has made us the most reliable solution in the industry. We take pride in providing personalized support and counseling for each project .

SYSTEM REQUIREMENTS

Compressed Air: 100 psi
Water: 1-10 psi
Electricity: 110VAC

SYSTEM CAPACITY EXAMPLES

TS100-1 - 1.5 GPH per unit
TS100-2 - 3 GPH per unit
TS100-3 - 4.5 GPH per unit



ENERGY CONSUMPTION

TS100-2: 0.4 kW
(based on normal operation)

ALL SYSTEMS PROUDLY ENGINEERED AND MANUFACTURED IN THE USA

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