



Corrigan Corporation of America

Precise Humidification Solutions







VaporDry™

Simple. Robust. Innovative.

Ideal for moisture sensitive locations

- Largest volume of dry fog from a single system
- Precisely controls humidity to 100% RH without wetting walls and floors
- Droplet sizes as small as 2 microns
- Patented technology
- Used in applications like spray booths, where proper humidity is critical
- 90% more energy efficient than traditional steam humidifiers

SPECIFICATIONS

System Output and Requirements

- High volume of dry fog @ 8.34 lbs./hour capacity per diffuser box
- Utilizes 35 psi clean, dry compressed air
- Consumes 2.5 CFM of air per diffuser box

Water Filtration

- 1 micron sediment filter
- Corrigan 100% KDF antibacterial filter
- Reverse Osmosis & other water filtration options available

Reliable Compressor Units

- High efficiency fractional 1/3 HP, 120VAC 60Hz
- Compact design
- Adjustable water regulator for added humidity control
- Large central compressors available

Controller Enclosure

- NEMA rated
- Multiple module control panels available
- Specified to meet any application

Humidity and Temperature Transmitter

- Interface with existing control systems
- Probe range: Heated 0-100% RH, Standard 0-80% RH
- Stable measurements in demanding climate conditions
- Remote monitoring available

Maintain a high humidity environment with the patented VaporDry™ direct-room humidification system.

VaporDryHP™ is ideal for warehouses, dust suppression, grow facilities, paper and printing, and any high ceiling applications.

VaporDry HP™

High Pressure Humidity System

Precise Humidity Control

Ideal for high ceilings and large spaces

- Reliable and accurate humidity control to 100% RH
- High pressure humidity system
- Very fine mist
- No compressor required
- The cost effective energy saving solution
- 90% more energy efficient than traditional steam humidifiers

SPECIFICATIONS

System Output and Requirements
- 5.84 lbs./hour per nozzle

Water Filtration
- 0.20 micron sediment filter
- Reverse Osmosis

Reliable High Pressure Pump
- Triplex plunger
- Long life pressure seals
- Flows from 0.25 gpm to 4.0 gpm

Stainless Steel Mist Bar
- Low-profile stainless steel design
- Cost effective for large spaces

Controller Enclosure
- NEMA rated
- Multiple module control panels available
- Specified to meet any application

Humidity and Temperature Transmitter
- Interface with existing control systems
- Probe range: Heated 0-100% RH
- Stable measurements in demanding climate conditions
- Remote monitoring available

UltraMist™ Moist Room Control

Misting Technology

Temperature and Humidity Control for Concrete Moist Rooms

- Controls temperature to 23±2°C per ASTM C511
- Maintains a relative humidity level of not less than 95%
- Keeps core samples looking and feeling moist
- High efficiency system reduces water usage
- Easy to install with all required parts included
- Temperature and humidity data logging

SPECIFICATIONS

Facility Requirements

- 120V 60Hz 20 amp outlet within 4 feet of the control panel
- Dedicated 40-gallon water heater set to a minimum of 125°F
- Hot and cold water plumbed near the valve board
- Your moist room will only get as cold as your cold water and as hot as your hot water

Mist Bar

- UltraMist™ mist bar and nozzles are proven reliable since 1979
- The 1/2"OD bars are easily connected with push-fit technology
- 52 feet of mist bar is provided, with a nozzle located every foot
- The provided mist bar and nozzles cover a typical 10' X 15' room

Control Panel

- A programmable logic controller (PLC) with LCD touch screen
- Log Trend Charts - real time logging in °C or °F
- Real-time temperature and percent relative humidity data logging, recorded on a USB drive in .csv file format

Sensor

- Heated probe temperature and humidity sensor

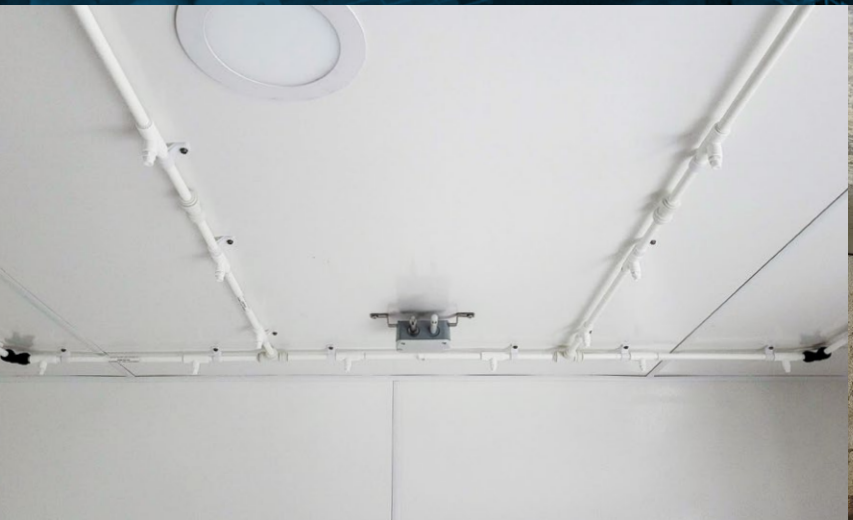
Magnetic Door Switch

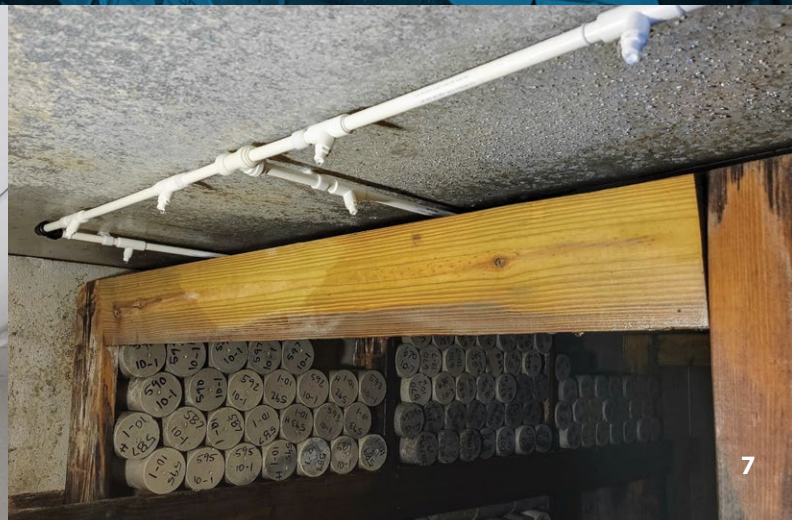
- Automatically turns the system off when the door opens, preventing personnel from getting wet.

MRC Options

- **Chiller System**
  For customers who may have a cold-water supply that gets above 65°F
- **TriOBreeze**
  To stop unwanted mold from growing in concrete moist rooms
- **Remote monitoring**

UltraMist Moist Room Control systems utilize high efficiency misting technology to control temperature and humidity levels.





Dedicated to the art of cigar preservation, and committed to maintaining meticulous conditions.

Preserve™

Humidor Humidity System

Préserve a Cigar's True Essence

A flawless blend of quality and affordability

An affordable solution designed for discerning enterprises or aficionados dedicated to the art of cigar preservation, and committed to maintaining meticulous conditions.

Préserve's innovative nebulizing technology is uniquely engineered without water reservoirs and compressors, allowing for a quiet and fully automatic, energy-efficient operation. The humidity system's sleek, low-profile design is suitable for all walk-in humidors.

SPECS / FEATURES

System Output and Requirements

- 0.60 lbs./hour per box
- Electrical: 120VAC 15A
- Plumbing: 1/2in potable cold water supply and nearby drain.
- Wall and shelf mount options available for all components

Precision Humidity Control

- Maintain a steady 70% RH in your walk-in humidor.

High-Quality, Affordable Price

- No need to compromise with cheaper units or break the bank.

Fully Automatic & Low Maintenance

- Install and let it work—autofill and humidistat controlled.

4-Stage Reverse Osmosis System

- Protects your humidor and products from hardness dust, removing 95-99% of dissolved solids.

Nozzle Enclosure

- Achieve the perfect 70-70 rule with our 12-micron fog and integral fan for constant air circulation.

Low Profile

- System's small footprint easily integrates with all walk-in humidors.

Hydrafog™ DRH

Direct Room Humidifier

Intelligent Design. Simple to Maintain.

Safe, energy-efficient humidification
for direct room applications

- Cost effective small footprint
- The low maintenance alternative to ultrasonic humidification
- Prevents electrostatic discharge (ESD)
- Controller with real-time monitoring capabilities
- Provides clean, healthy humidity to promote wellness and a comfortable environment
- 90% more energy efficient than traditional steam humidifiers
- Easy installation

SPECS

Water Filtration

- Reverse Osmosis and other water filtration options available

HMI Touch Screen Control Display

- NEMA 4X (indoor) display face
- RJ45 Ethernet Port & USB-A Port (2.0) for data logging

PLC Control (Programmable Logic Controller)

- Interface with existing control systems
- Custom programming
- Remote monitoring available
- Low feed water and leak detection

Humidity and Temperature Transmitter

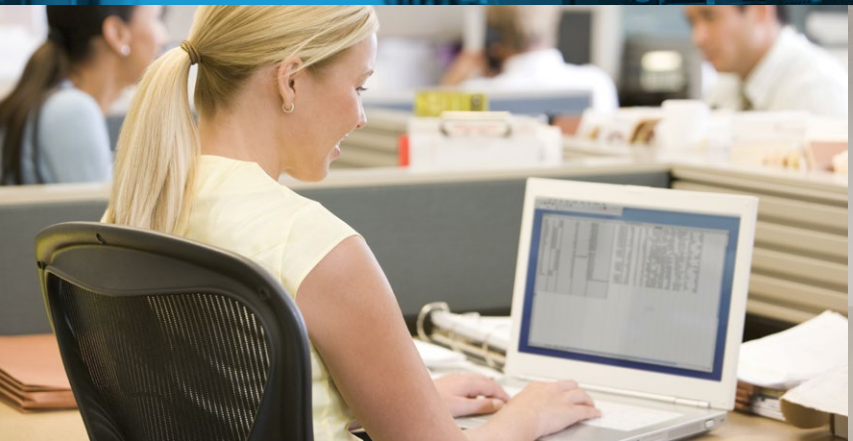
- Heated probe range 0-100% RH
- Stable measurements in demanding climate conditions

MODEL(S)	HF7044	HF7066	HF7088	HF7176
Number of non-reservoir, clean nebulizers	6	9	12	24
Nebulizing Capacity (lbs/hr)	4.4	6.6	8.8	17.6
Power Source	12 VDC			
Rated Power Consumption (W)	29	32	42	84

Size & Weight HF7044 / HF7066 / HF7088 14.12" x 7.84" x 5.96", 8.5lbs

HF7176 28.24" x 15.68" x 11.92", 17lbs

HydraFog™ Humidifiers use high pressure diffusion to effectively humidify any size space.



Better, cleaner water starts with a HyperSoft™ Series Reverse Osmosis System

HyperSoft™ Series
Reverse Osmosis System

Value Through Quality

High quality water that promotes equipment longevity

- High volume, small footprint system
- Models range from 300 to 190,000 gallons per day
- Prevents mineral deposits on HVAC equipment
- 99% rejection of dissolved solids
- Energy efficient with a 50% high quality water recovery
- Permeate auto-flush feature prolongs membrane life
- Low energy, high flow RO membranes
- Low feed-water pressure shut-off switch
- Easy maintenance

SPECIFICATIONS

CRO2500 (Inquire for other model specs)

Nominal capacity[1]	2500 gallons per day
RO assembly dimensions	48" wide, 13" deep, 10" tall
Filtration dimensions	14" wide, 5.5" deep, 24" high
Weight (dry)	99 lbs.
Typical recovery	50%
Membrane	3 each TFC – 2.5" × 40"
Ionic rejection range	95 – 98%
Housing	Stainless steel
Pump	Rotary vane
Switches	Low feed water and tank pressure cutout
Tank pressure switch range	30 – 50 psi
Minimum feed pressure	30 psi
Electrical requirements	120V, 15A, 60Hz
Motor	1/2 HP, Thermally Protected, 1725 RPM, Drip Proof
Maximum feed temp.	77°F
Feed pH range	2-11
Maximum free chlorine[2]	< 0.1 ppm

1 – Product flow rate based on flow to atmosphere. Flow to higher pressure vessels will reduce flow.
2 – Prefiltration designed to reduce chlorine below this level.

Water Treatment

Over 40 years of experience

Solving the toughest water problems

- Customizing water treatment systems that ensure consistent and reliable water quality
- Providing solutions that extend the life of water-fed equipment
- Understanding your water chemistry to provide optimal water quality
- Specifying appropriated equipment based on water throughput rates

WATER SOLUTIONS

Water Softeners

Hard water is the most common water concern. Through an ion exchange process, water softening removes the hard minerals from water.

- Increases water heater efficiency by 30%
- Improves water flow and pressure by eliminating hardness buildup in pipes
- Reduces mineral stains and odors
- Extends life of water-fed equipment

Water Filtration Systems

Incoming water filtration systems remove impurities from a water source. Water passes through media, particles become trapped, and high-quality water remains.

- Delivers filtered water to any application where high quality water is important
- Filters out impurities that affect smell, look, taste, and feel of water
- Reduces corrosion on pipes and appliances
- Extends life of water-fed equipment

Reverse Osmosis Systems

Corrigan's HyperSoft™ is the most economical and effective way to produce high-quality water.

- See pages 12-13 for a complete overview

Corrigan's WQA certified professionals will solve your toughest water problems

Ozone is a natural, residue-free disinfection system with no maintenance

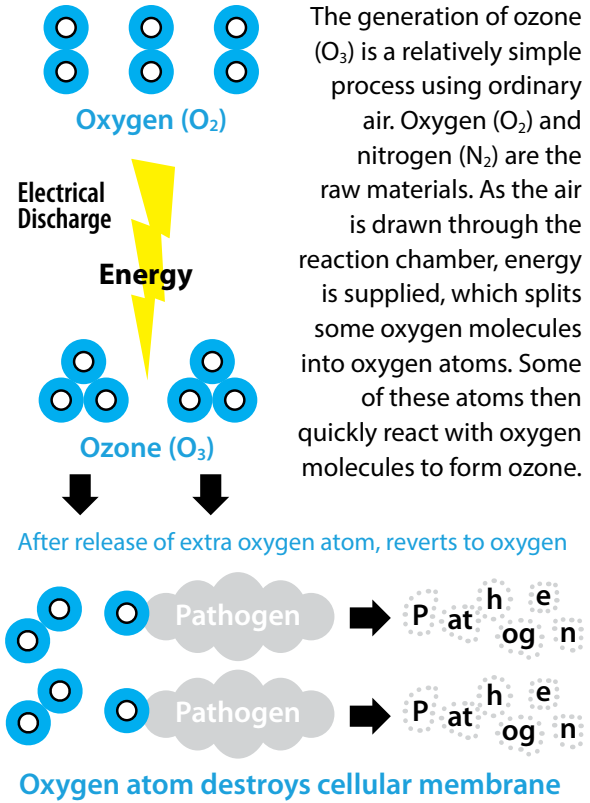
TriBreeze™

Ozone Technology

Ozone (O_3) is safer, more effective and less expensive than chlorine-based solutions

- Proven broad-spectrum sanitizing system
- Natural solution
- No expensive required chemical solutions
- No chemical residue
- O_3 has a greater disinfection effectiveness against bacteria and viruses compared to chlorination
- O_3 kills pathogens on contact, converts to regular oxygen, and leaves no toxic residuals
- O_3 is effective against Listeria, Salmonella, Norovirus, E. Coli, Campylobacter, molds and other pathogens

HOW IT WORKS



The generation of ozone (O_3) is a relatively simple process using ordinary air. Oxygen (O_2) and nitrogen (N_2) are the raw materials. As the air is drawn through the reaction chamber, energy is supplied, which splits some oxygen molecules into oxygen atoms. Some of these atoms then quickly react with oxygen molecules to form ozone.

A market leading manufacturer of humidification and water filtration technologies

Our Story

Proudly serving our clients for over 45 years.

Corrigan Corporation of America was founded out of necessity. In the late 1970's, Jack Corrigan recognized he was throwing away potential profits at his "Carrot Top" produce market. His civil engineering background helped him as he devised a method for fresh produce preservation. With patents dating back to 1979, Jack Corrigan is credited with establishing automatic produce misting equipment.

Today his company continues his innovative lead, expanding beyond automatic produce misting equipment to also become a market leading manufacturer of humidification and water filtration technologies. Jack's core principle of designing and manufacturing reliable solutions to improve customers' profits remains steadfast.

The company is proud to reinvest in the research and development of future innovative products. Corrigan currently has numerous pending patent applications in addition to our issued patent portfolio. Other technologies are being assessed for reliability, customer need, and most importantly, if Jack would approve.

Corrigan Corporation of America

Worldwide Sales / Nationwide Service

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MEMBER Water Quality Association

MADE IN THE USA