

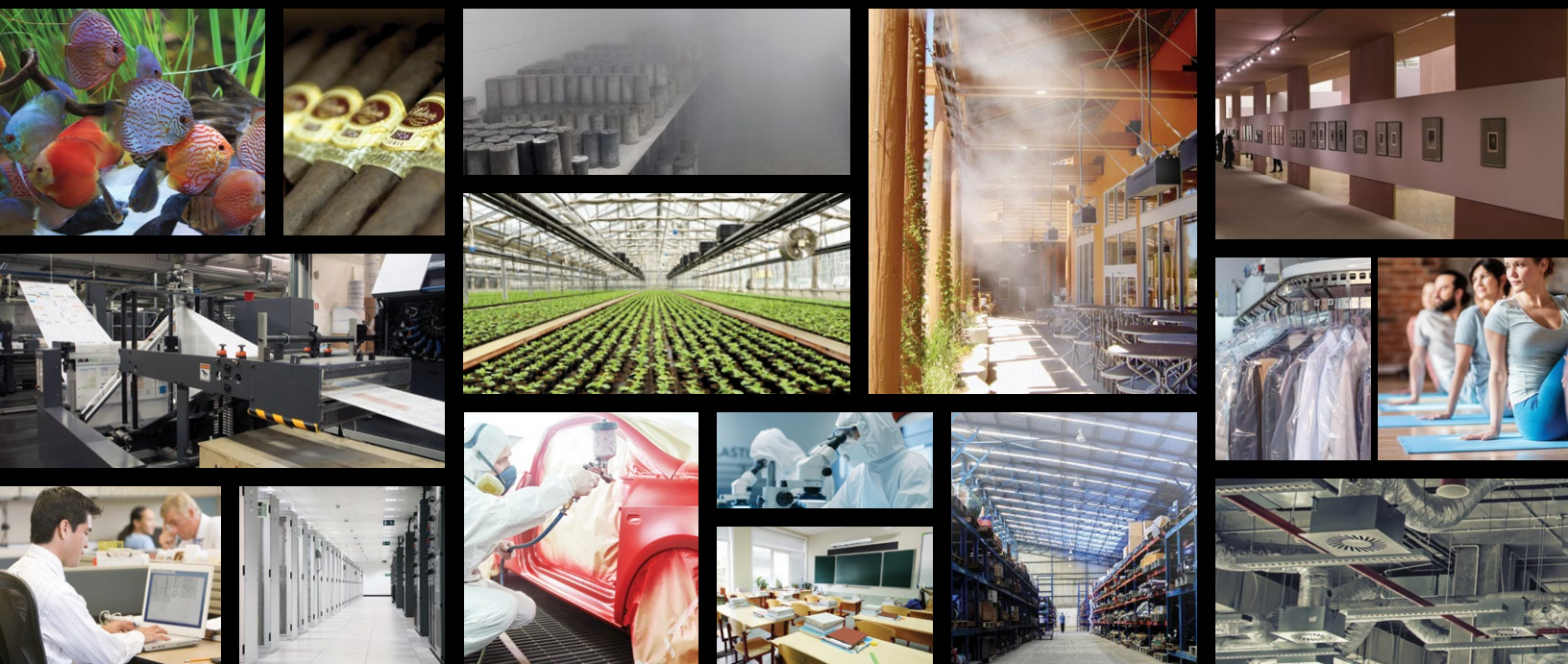


Corrigan

Corporation of America



Automatic Misting • Humidification • Water Filtration





Our Story

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 remain 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.



Member
WATER QUALITY
ASSOCIATION





800.462.6478

Table of Contents

Grocery Store

Produce Misting Systems

UltraMist.....	6-9
Misting Guidelines for Produce.....	10
Misting System Operational Notes.....	11
Que Audio Marketing.....	12
Case Flush System.....	13
TriOBreeze disinfection add-on for produce misting.....	14

Service Case Humidification

VaporPlus.....	15-17
HydraFog.....	18-21
Case Flush System.....	22
TriOBreeze disinfection add-on for service cases.....	23

Water Filtration Systems

PumpPak Filtration for UltraMist produce misting.....	25
Reverse Osmosis - HyperSoft Series.....	26-30
Coffee and Espresso Water Filtration.....	31-32
Specialty Water Filtration.....	33-36

Industrial

Humidification Systems

VaporDry.....	38-40
VaporDry-HP.....	41-42
VaporPlus for Concrete Moist Rooms.....	43-45
HydraFog.....	46-47
HydraFog Ducted Humidifier.....	48-49

Outdoor Cooling/Misting Systems

UltraCool.....	50-51
----------------	-------

Water Filtration

PumpPak.....	53
Reverse Osmosis Systems - HyperSoft Series.....	54-58
Water Softeners.....	59-62
Carbon Beds.....	63
Ion Exchange Resins.....	64

Convenience Store

Water Filtration

PumpPak.....	66
Reverse Osmosis Systems - HyperSoft Series.....	67-71
Water Softeners.....	72-75

Drip Tray Rinse Systems with TriOBreeze add-on.....	76
--	-----------

Service.....	77-79
---------------------	--------------

Parts.....	80-93
-------------------	--------------

Warranty Statement.....	94
--------------------------------	-----------

Intellectual Property.....	95-96
-----------------------------------	--------------

White Papers and Case Studies.....	97
---	-----------

Location and Contact Information.....	99
--	-----------





It started here.

Within this small, family-run grocery store.

An inventive mind with a desire to do better.

The result was fresher produce for valued customers.

Decades later we continue to focus on fresh.

Fresh ideas... practical solutions



800.462.6478

Grocery Store

Grocery Store



800.462.6478

Produce Misting Systems



UltraMist™

UltraMist™ is ideal for produce. Reliable, quality equipment every time.

Our low flow fogging nozzle is the industry's favorite.

UltraMist™ Benefits

- Smallest profile, ideal for mounting in all cases
- All nozzle spray patterns
- Easily slides on and off
- Optional 360° pivoting head
- Strong schedule 80 pipe
- Available in black or white
- Fast install and easy maintenance
- Most versatile system for resets
- Best industry warranty
- Lifetime guarantee on the mist bar and nozzle shut off
- Certified by NSF169



800.462.6478

Patented UltraMist™ Nozzle



Mist Head Turns Front to Back



Mist Head Slides On and Off

Corrigan's produce misting provides a thin, dew-like barrier of moisture, resulting in:

- Longer shelf life and increased profits
- Greater variety and larger display opportunities
- Higher chlorophyll and vitamin content
- A fresh appearance for customers who buy with their eyes
- Produce that makes your store the destination of choice
- A smart, focused use of water

Full System

Example of typical installation:



A misting system, simple to use and maintain, is also easy to order!

Step One: Select Misting Filtration



PumpPak

Select when hardness is low. Standard one micron filter removes sediment that would otherwise clog nozzles and solenoids.



HyperSoft™ Series Reverse Osmosis

Select when scale buildup on cases is a concern. CRO300 removes minerals and uses a unique membrane flush for longer service life.

Step Two: Select Misting Controller



ACP Controller

Select this controller when all that is needed is timer control to turn misting on and off automatically. Engineered pressure relief mechanism ensures there are no drips. Instant on and instant off operation.



LE2 Controller

This economical controller turns your misting on and off while ensuring there are no drips. Lower initial cost, but engineered for reliability.



Que Audio Warning Controller

Select when audio marketing is desired. Stereo sounds provided by Corrigan or download audio to the flash card memory. You can easily change messages for sales, seasonal, specials... It's as VAST as your imagination.

Step Three: UltraMist™ Nozzle Patterns

80° Hollow Cone



Select this nozzle if misting is installed in a canopy of produce case. Typically used with the fan style nozzle in an alternating fashion.

80° Low Flow Fogging Hollow Cone



Select this nozzle with the lowest flow in the industry. This water and energy saving nozzle is the industry's favorite.

Fan Style



Select this nozzle if misting along the back of produce case to avoid overspray on mirrors. Also used for narrow product displays.

110° Hollow Cone



Select this nozzle for under-shelf installations and when product is close to mist bar.



800.462.6478

Misting Equipment Technical Specifications



PumpPak Filtration

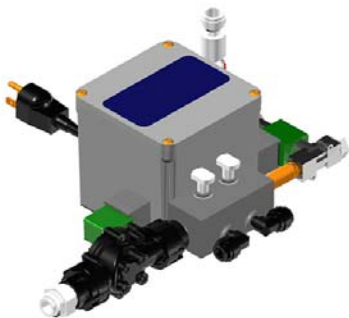
Electrical: 120V, 60Hz AC, 0.7 Amps
8 foot grounded cord with plug

Dimensions: 21" wide, 9" deep, 13" tall

Pressure Range: 60 – 80 PSI

Mounting: Wall mount

Filter: 2-1/2" x 9-7/8" 1 micron sediment



ACP Misting Controller

Electrical: 120V, 60Hz AC, 0.3 Amps
8 foot grounded cord with plug

Dimensions: 12" wide, 10" deep, 4.5" tall

Mounting: Wall or shelf mount

Timer range: ON time 0.1 – 10 seconds
OFF time 0.1 – 10 minutes



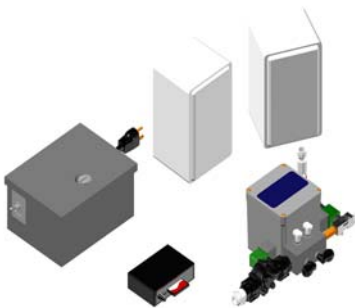
LE2 Misting Controller

Electrical: 120V, 60Hz AC, 1.0 Amps
6 foot grounded cord with plug

Dimensions: 16" wide, 6" deep, 7" tall

Mounting: Wall or shelf mount

Timer range: ON time 0.1 – 10 seconds
OFF time 0.1 – 10 minutes



Que Audio Warning Controller

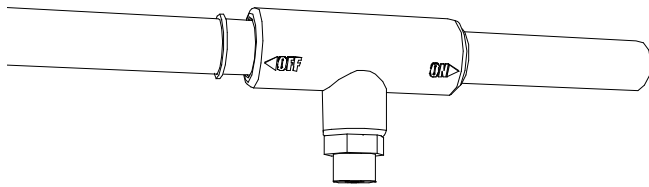
Electrical: 120V/24V, 60Hz AC, 3 Amps
8 foot grounded cord with plug
8 foot DC adapter with plug

Dimensions: 24V control box 8" wide, 6" deep, 4" tall
Que Audio enclosure 5" wide, 5" deep, 2" tall
Speakers 4" wide, 4" deep, 7" tall
Solenoids 12" wide, 8" tall, 4" tall

Timer range: ON time 0.1 – 10 seconds
OFF time 0.1 – 10 minutes



UltraMist™ Technical Specifications



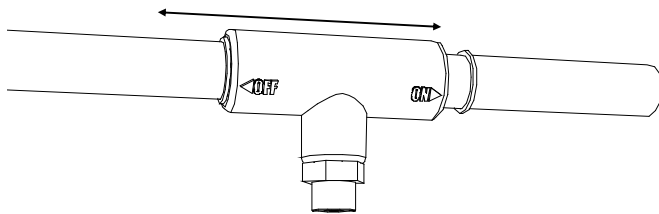
Head Size: 2" wide, 0.8" deep, 1.5" tall

Head Spacing: 12"

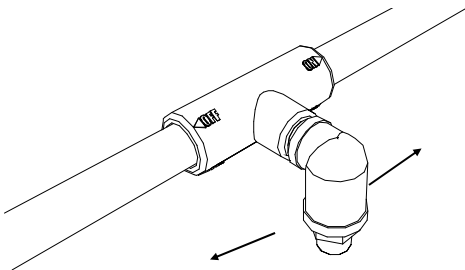
Pipe Diameter: 0.5" OD

Color: Black or White

Nozzles: 1/8" NPT threaded

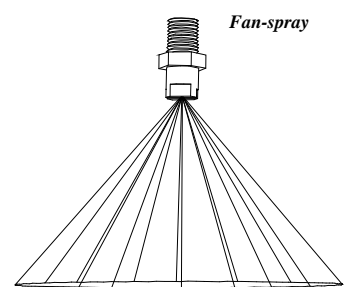
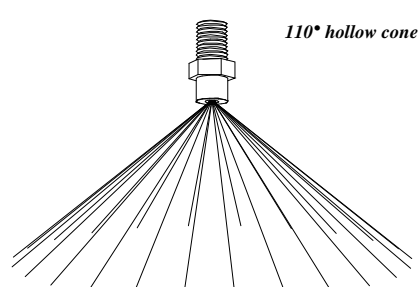
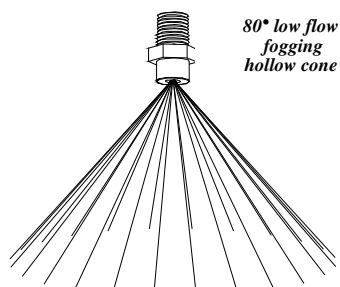
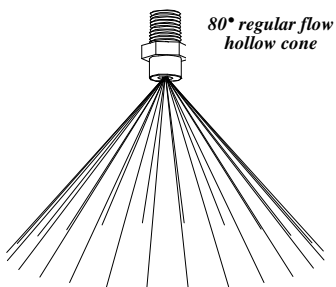


Tee slides on pipe approximately 0.25" to turn ON or OFF.



Swivel elbow allows nozzle adjustment from side to side as well as back and forth.

Available Nozzle Styles



Misting Guidelines For Produce

Ratings: 1 = Excellent 2 = Good 3 = Poor

Greens:

Turnip Top	1
Collard	1
Mustard	1
Cabbage Sprout	1

Beans:

Green	1
Pole	1
Wax	1
French	1
Wing	1
Chinese	1

Lettuce:

Iceberg	1
Romaine	1
Red Leaf	1
Green Leaf	1
Boston	1
Bibb	1
Radicchio	1
Arugula	2
Sorrel	1
Endive	1
French Endive	1
Escarole	1

Peppers:

Green	1
Red	1
Yellow	1
Orange	1
Purple	1
Assorted Chili	1
Dried	3

Squash:

Banana	1
Acorn	1
Butternut	1
Spaghetti	1
Zucchini	1
Yellow	1

Peas:

Garden	1
Chinese Pods	1
Sugar Snaps	1
Strawberry	1
Black-Eyed	1

Mushrooms:

All Varieties	3
---------------------	---

Potatoes:

New Red	1
New White	1
All Others	3

Onions:

Green	1
Leeks	1
Shallots	3
Fresh Shallot	1
Garlic	3

Roots:

Kohlrabi	1
Beets	1
Turnips	1
Parsnip	1
Parsley	1
Celery	1
Carrots	1
Radish	1
Salsify	1
Black Radish	1
Ginger	1

Sprouts:

Bean	2
Alfalfa	2
Radish	2
Assorted Mixed	2
Sprouts sold in growth medium	1

Herbs:

Dill	1
Mint	1
Chives	1
Rosemary	2
Tarragon	2
Basil	2
Oregano	2
Cilantro	1
Parsley	1
Plain parsley	1
Thyme	2

Celery:

Regular & Hearts	1
Cabbage	1
Anise	1

Cabbage:

Green	1
Red	1
Savoy	1
Brussel Sprouts	1

Rutabaga:

Natural	1
Waxed	3

Eggplant:

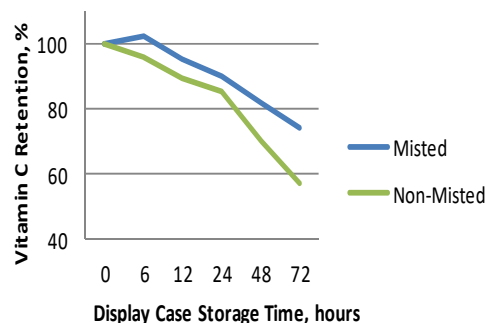
Standard	1
Italian	1
Japanese	1
White	3

Cucumbers:

Regular	1
Pickles	1
Seedless	1

Asparagus {All}	1
Jicama	3
Bok Choy	1
Napa	1
Tree Beans	3
Spinach	1
Swiss Chard	1
Cauliflower	1
Tomatillos	2
Broccoli	1
Broccoli Rabe	1
Tomatoes (All)	3
Crookneck Squash	1
Mini Squash	1
Edible Flowers	2

Vitamin C Retention



800.462.6478

Misting Systems Operational Notes

Corrigan Corporation invented the automatic misting system in 1979. Since that time, we have sold and serviced thousands of systems. The following are operational notes learned from our over 40 years of experience:

- 1) With produce misting installed, it is still very important that you continue to rotate the vegetables. This common oversight is the result of displayed produce looking so fresh that the clerk does not make a full rotation.
- 2) Any items that are source wrapped or store wrapped should not be misted.
- 3) When culling the display and reloading the case, all stem ends should receive a shallow cut so that vegetables will more easily replace water lost in storage and handling.
- 4) On items that are slower to turnover, be sure to check for decay, re-trim and fluff the display periodically.
- 5) Use full strength white vinegar to clean mirrors. Soak build-up with vinegar first and (if needed) scrub mirror then squeegee clean. Kool-Aid, which contains citric acid, can be used for hard scale build-up. Sugar-free Kool-Aid works great for a severe problem.
- 6) Nozzles are adjustable and this adjustment is accomplished best when one person does it. The best time to check nozzle coverage is first thing in the morning. If your system utilizes a fan spray nozzle, it must be directed to the back of the display and parallel to mirrors in order to deflect moisture and help keep the mirrors clean.
- 7) Timing adjustments can be made when the product becomes too wet or too dry. We recommend a 5-minute OFF time, and a 3-second ON time.
- 8) Do not have the misting cycle set too long (greater than 5 seconds). Long misting times can allow the mist to be carried out of the case and will damage case fronts and could build up water on the floor.
- 9) Provide paper towels for customers who wish to wipe their hands. Some customers have found that by wrapping a paper towel around the misted produce, and placing it in a plastic bag extends the freshness of these vegetables in the home refrigerator.
- 10) Sometimes people are startled by the new misting system. We offer a system that sounds a warning prior to the spray cycle, the Que Audio Marketing System. Or, post a sign in the department explaining that the system is in place to provide customers with a better quality and more nutritious product.
- 11) Depending on water conditions, the outside of nozzles may show a build-up of lime. This can be removed by spraying vinegar on the outside surface of the mist heads followed by wiping them clean.
- 12) If you previously iced your vegetables, it is no longer necessary. In fact, icing may compromise the effectiveness of the misting process.
- 13) Do not use ice machine cleaning fluids, strong acids, bleaches or solvents to clean mist heads.
- 14) If the nozzles act like they are clogged, always check the main filter for a restriction. The water-pressure on the storage tank should be 60 psi or greater. Proper filtration is designed to keep the nozzles and solenoid valves from becoming fouled.



Que Audio Marketing™

Que is a state-of-the-art compact audio stereo system that broadcasts short sequenced recordings to localized areas of your supermarket.

Que Audio Marketing™ Benefits

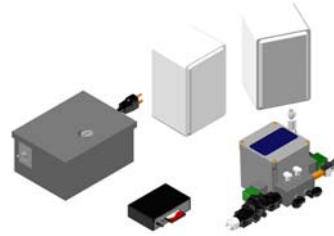
Que forges new roads into the supermarket sales arena allowing retailers to reach customers in many innovative ways.

- **MISTER ALERTS:** Que can be set upon a timer to synchronize with your produce misting systems to alert customers of mist activation.
- **SERVICE CASES:** Que is now also being used in all types of service seafood, meat, deli, or pasta cases.
- **AMBIANCE:** Que allows messages to the store environment at the point of sale.
- **STORE SPECIALS:** Que effectively promotes specials, sales and seasonal items through announcements as customers pass these products.
- **WELCOME/THANK YOU:** Can be configured to welcome customers as they enter your market or thank them as they exit.
- **LANGUAGE:** Que can be used to target non-English speaking customers.
- **SEASONAL:** Que can be used to broadcast seasonal greetings or holiday music segments.
- **ANYTHING YOU WANT:** These are only a few of the possibilities due to the incredible flexibility of the Que stereo system.



Que

Pick from our list of messages, or download your own MP3 music or custom seasonal announcements.



Sound System

Audio marketing with produce misting controls

Technical Specifications

- Que can broadcast any MP3 recorded message.
- Que can be configured to activate with Doppler motion sensor, a door switch or a timer.
- Que has a self-contained stereo amplifier with volume control and power supply with on/off indicator.
- Que messages are digitally recorded on small dependable compact flash cards.
- Que flash cards contain up to 64 MB of recorded messages which can be broken up and sequenced into any number of segments.
- Additional flash cards are available from your local supplier and can be prerecorded or re-recorded and saved for future use.
- Que systems are compact so that they may be easily concealed.
- Each Que system includes two state-of-the-art speakers for high quality stereo sound. The speakers are also waterproof and weather resistant.



800.462.6478

Case Flush System

Produce Case

The produce case flush system is designed to rinse away debris from the case to help control odor and avoid drain clogging. The flush is created by a series of fan nozzles mounted to the back of the case and directed to wash the debris down the drain. A one-micron sediment filter is used to remove any suspended solids that could clog the nozzles. The automatic flush system timer can be adjusted to operate after store hours or any desired time of day.



System Specifications

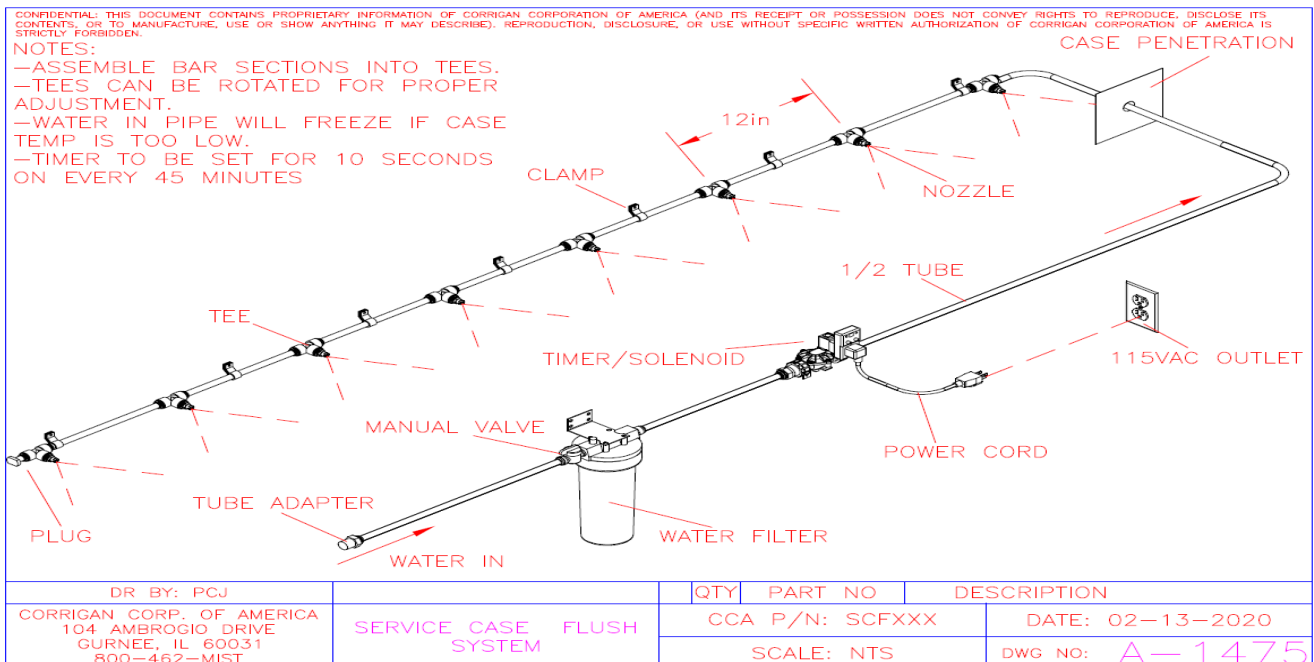
Mist Tee (spaced every 12 inches)
Height 2"
Width 2.5"
Depth 1"

Mist Bar
1/2" OD x 12"

Timer control
Height 3.5"
Width 3"
Depth 2"

Filter assembly
Height 14"
Width 6"
Depth 5"

Electrical
115 V
60 Hz





for Produce Misting



**TriOBreeze is natural and chemical free.
There is no residual chemicals left behind
and there are no expensive disposable
chemical solution refills needed.**

The activated oxygen in TriOBreeze sanitizes the mist bar, nozzles, drain line and reduces bacterial counts throughout your case. The activated air is metered for the correct duration to effectively sanitize the system. Typically, it is programmed for just a few minutes in the middle of the night or early morning hours.



800.462.6478

Humidification Systems



VaporPlus™



VaporPlus™ is ideal for service case applications requiring high humidity levels. Service cases with controlled VaporPlus high humidity levels improve product marketability and reduce shrink.

VaporPlus™ Benefits

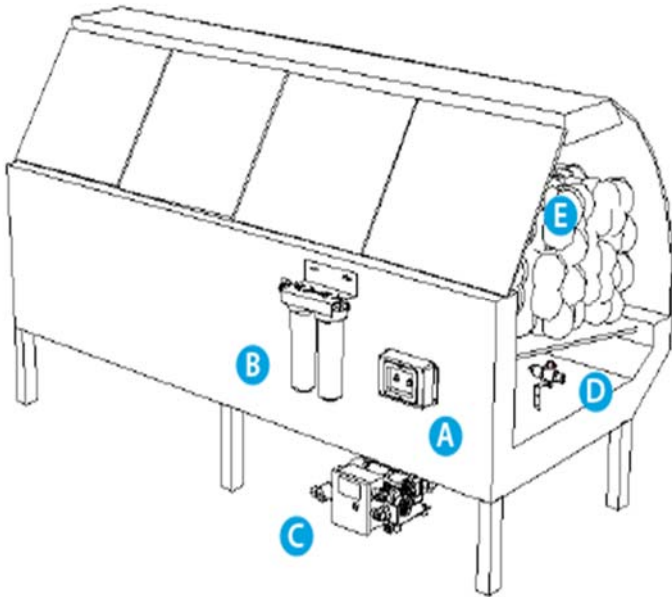
- Simple timer operation
- %RH controller for larger systems available
- Humidity fills case without wetting product
- Does not require costly reverse osmosis water filtration
- Optional Que Audio marketing
- Ease of installation
- Very low maintenance
- Best industry warranty
- Certified by NSF 169

Corrigan humidity will increase your sales and profits:

- High humidity equates to less shrink
- Allows for greater variety and larger displays
- Maintains a fresh, natural appearance
- Designed with a nozzle that won't clog
- Humidity fills case without wetting the product

System Operation

Timer initiates start of humidity cycle. Water valve opens and compressor activates, mixing regulated water and air as the nozzle produces a protecting fog.



- A. Timer Control
- B. Water Filters
- C. Compressor Assembly
- D. Nozzle
- E. Vapor Humidity Fog

System Components



Filtration

Includes sediment removal and custom Corrigan 100% KDF anti-bacterial filter.



Air Atomizing Nozzle

Stainless steel nozzle produces fine vapor fog, won't rust and resists clogging.



Timer Control

Flexible setting so preferred humidity level is easily achieved.



Compressor Unit

Low profile design for installation ease with adjustable water regulator for added humidity control.

Optional:

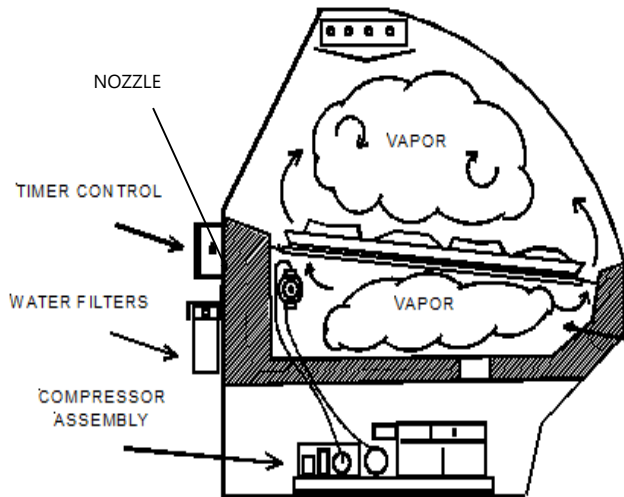


TriOBreeze for Fresh and Safe Seafood

TriOBreeze is a natural and safe way to kill bacteria. Easily added to The VaporPlus™, the TriOBreeze system produces activated oxygen fog to extend product life, keep cases cleaner and reduce odors.



VaporPlus™ Technical Specifications



Description

The timer control and dual filters are mounted on the backside of the case. The compressor assembly is located in an open area under the case. The atomizing nozzle is most often mounted under the product racks on the rigid framework of the case pan.

The nozzle placement is dependent on the case type and geometry. The nozzle can be placed in the front or back of the case, but it is important that a gap is present between the product rack and inside wall of the case to allow for proper flow of vapor throughout the case. Please call us for nozzle placement advice.

The air and water lines for the nozzle can be run through the bottom or backside of the case near the location of each nozzle.



Filtration

Dimensions: 14" wide, 5" deep, 14" high

Mounting: Wall mount

Filters: 2-1/2" x 9-7/8" 1 micron sediment
100% KDF anti-bacterial filter



Air Atomizing Nozzle

Dimensions: 1" wide, 4.5" deep, 4." tall

Mounting: 'L' bracket



Timer Control

Dimensions: 9" wide, 2.5" deep, 5" high

Mounting: Wall mount

Timer range: ON time 0.1 – 5 minutes
OFF time 2 – 15 minutes (inside control box)



Compressor Unit

Electrical: 115VAC, 60Hz, 5.9 Amps. **Maximum of two compressors per 20A circuit.**

Dimensions: 13.5" wide, 13.5" deep, 6.8" tall

Mounting: Designed to sit on the floor or level surface



Hydrafog™

HydraFog™ provides high humidity to a wide variety of perishables. Attracts customers with gentle, whisper-quiet rolling fog and elegant stainless steel diffusers. Ideal for meat, seafood, cheese, deli and specialty display cases.

HydraFog™ Benefits

- Whisper-quiet operation
- Gentle rolling fog attracts customers
- Closed system designed for reliable, low-cost maintenance and operation
- Does not require costly reverse osmosis water filtration
- Optional audio marketing
- Optional ozone system
- Best industry warranty

Patent Pending



800.462.6478

Corrigan humidity will increase your sales and profits:

- High humidity equates to less shrink
- Allows for greater variety and larger displays
- Maintains a fresh, natural appearance
- Designed with a nozzle that won't clog
- Humidity fills case without wetting the product

System Operation

Timer initiates start of humidity cycle. Water valve opens and the pumping unit activates producing a gentle rolling fog.



System Components

Filtration

Includes 0.2 micron filter and custom Corrigan 100% KDF anti-bacterial filter.

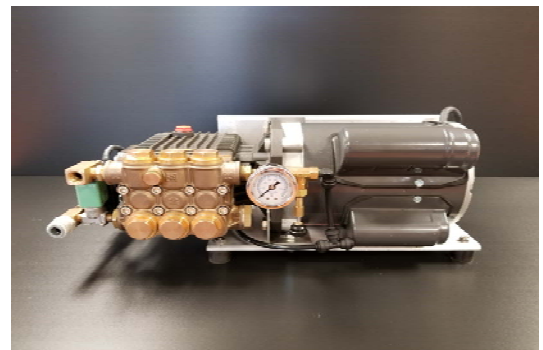
Elegant Stainless Steel Design

Available with 90° or 45° diffuser heads.



Pump Unit

Low profile design for installation ease.



Touch screen controller

Full color LED display

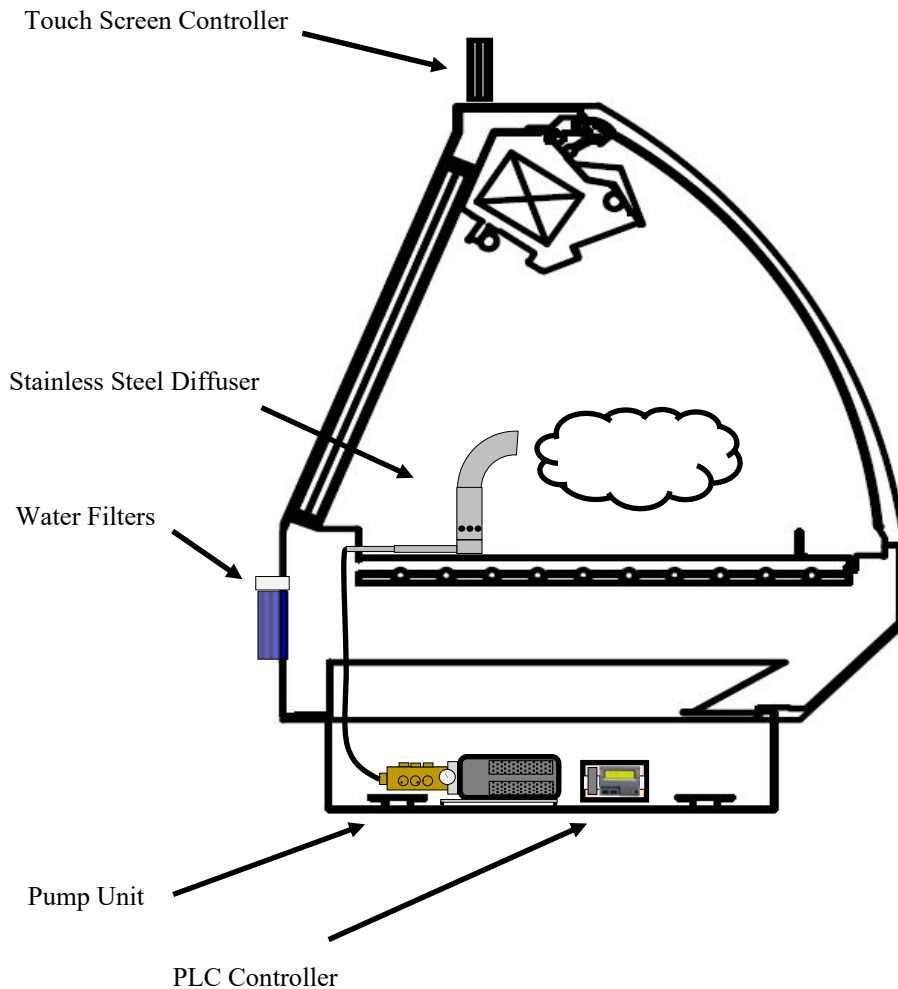


Programmable Logic Controller (PLC)

Reliable solid - state control. Capable of interfacing with refrigeration control systems.



HydraFog™ Technical Specifications



Description

The dual water filters are mounted on the backside of the case.

The Stainless Steel Diffusers are mounted above the product. The number and placement of the diffusers are the choice of the merchandiser. If desired, please call Corrigan at **800.462.6478** for ideas on diffuser placement to produce the best case humidification and desirable theater for your customers.

The Touch Screen Controller can be mounted at eye level or lower near the base of the case. The cables leaving the Touch Screen Controller should be neatly run through a cable chase.

The Pump Unit is located in an open area under the case.

The PLC Controller is also located in an open area under the case.

The water lines and drain line should be neatly run and securely mounted. Avoid freezing areas of the case.

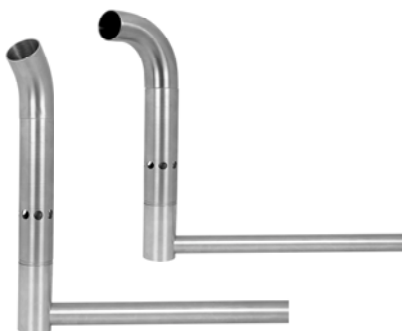


Filtration

Dimensions: 14" wide, 5" deep, 14" high

Mounting: Wall mount

Filters: 2-1/2" x 9-7/8" 1 micron sediment
100% KDF anti-bacterial filter



Stainless Steel Diffusers

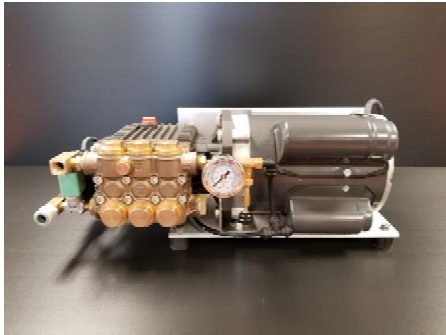
Dimensions: 2" wide, 3.75 - 24" deep, 14" high

Mounting: Wall mount



Touch Screen Controller

- Electrical: 24VDC, 0.2 Amps, Battery Backup, USB-A Port for data logging, RJ45 Ethernet Port
- Screen: 4.3 inch LCD; 65,536 colors; 480 X 272 Pixels; >70,000 hour lifespan; Protection Ratings: NEMA 4X (indoor) IP66F / IP67F
- Enclosure: 7"wide, 2.4" deep, 5" high
Protection Rating: IP66
- Mounting: Designed to be cantilever mounted at eye level or panel mounted at base of case.



Pump Unit

- Electrical: 115VAC, 60 Hz, 2.4 Amps
- Dimensions: 19" wide, 14" deep, 7" high
- Mounting: Designed to sit on the floor or level surface



PLC Controller

- Electrical: 24VDC, 0.1 Amps, Battery Backup
- Key Features: Ethernet Port, USB Port, SD Memory Port, Modbus TCP/RTU, RS232C/RS485, Data Logging, CAN J1939 CPU
- Enclosure: 8"wide, 8.5" deep, 6.25" high
Protection Rating IP66 , NEMA 4X
- Mounting: Designed to sit on the floor or level surface

Case Flush System

Service Case

The service case flush system is designed to rinse away debris from the case to help control odor and avoid drain clogging. The flush is created by a series of fan nozzles mounted to the back of the case and directed to wash the debris down the drain. A one-micron sediment filter is used to remove any suspended solids that could clog the nozzles. The automatic flush system timer can be adjusted to operate after store hours or any desired time of day.



System Specifications

Mist Tee (spaced every 12 inches)

Height 2"
Width 2.5"
Depth 1"

Mist Bar

1/2" OD x 12"

Timer control

Height 3.5"
Width 3"
Depth 2"

Filter assembly

Height 14"
Width 6"
Depth 5"

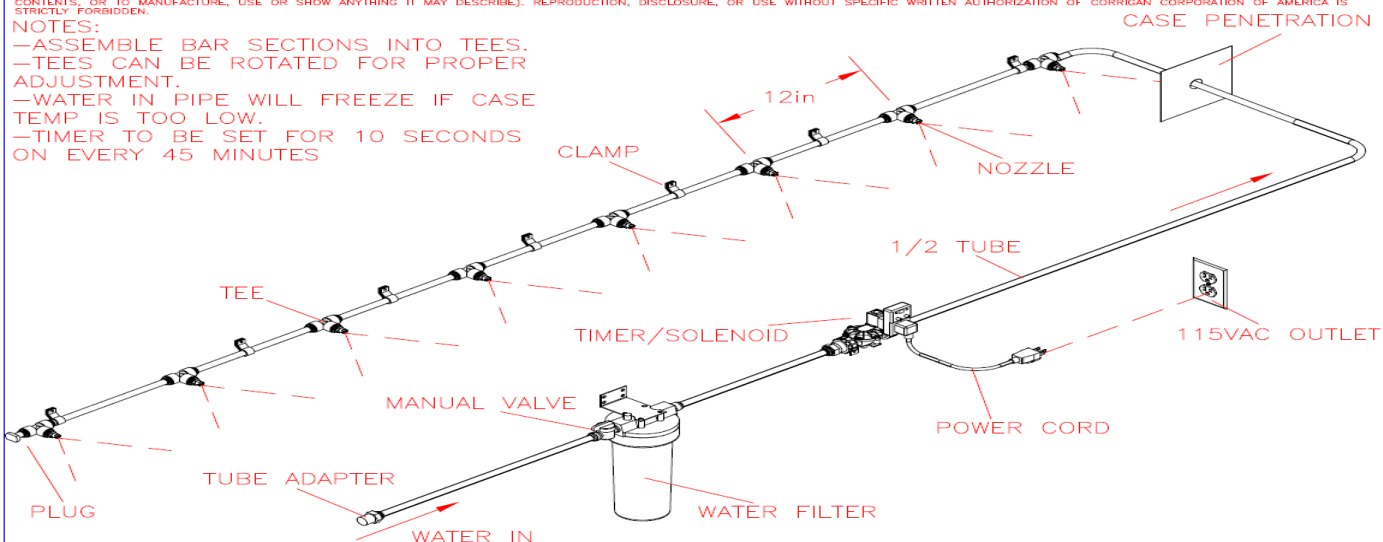
Electrical

115 V
60 Hz

CONFIDENTIAL: THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF CORRIGAN CORPORATION OF AMERICA (AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SHOW ANYTHING IT MAY DESCRIBE). REPRODUCTION, DISCLOSURE, OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF CORRIGAN CORPORATION OF AMERICA IS STRICTLY FORBIDDEN.

NOTES:

- ASSEMBLE BAR SECTIONS INTO TEES.
- TEES CAN BE ROTATED FOR PROPER ADJUSTMENT.
- WATER IN PIPE WILL FREEZE IF CASE TEMP IS TOO LOW.
- TIMER TO BE SET FOR 10 SECONDS ON EVERY 45 MINUTES



DR BY: PCJ		QTY	PART NO	DESCRIPTION
CORRIGAN CORP. OF AMERICA 104 AMBROGIO DRIVE GURNEE, IL 60031 800-462-MIST	SERVICE CASE FLUSH SYSTEM		CCA P/N: SCFXXX	DATE: 02-13-2020
			SCALE: NTS	DWG NO: A-1475



800.462.6478



for Service Case Humidity



**TriOBreeze is natural and chemical free.
Proven to reduce odors, keep cases cleaner
and extend product life in seafood cases.**

The activated oxygen in TriOBreeze sanitizes the service case and drain lines throughout the day. The activated air is metered in during the humidification cycle to effectively sanitize the system.

Whether it's VaporPlus or HydraFog, the TriOBreeze sanitization system is an easy add-on.



800.462.6478

Water Filtration Systems



Whether you require reverse osmosis, water softening, carbon beds or specialized filtration, Corrigan has a solution to meet your needs.

Corrigan Water Filtration Benefits

- Over forty years experience solving the toughest water problems
- Water Quality Association (WQA) certification trained designers and installation team
- Simple, robust engineering designs
- Very low maintenance
- Extends the life of water-fed equipment
- Best industry warranty



PumpPak Filtration



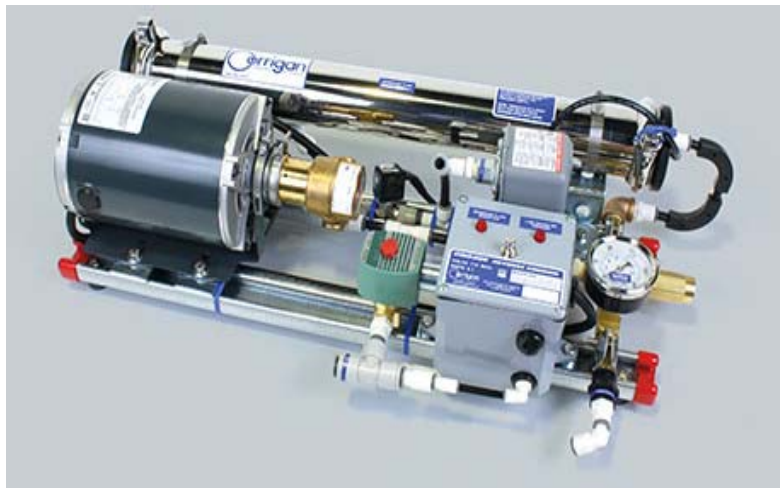
Corrigan's standard water filtration system is designed to provide pressurized water to the UltraMist™ produce misting system, filtering out sediment that would otherwise clog nozzles and solenoids.

PumpPak Benefits

- One micron filter efficiently removes sediment
- Robust 0.6 gpm diaphragm pump with wetted material NSF listed
- 2 gallon bladder tank with 100 psi NSF pressure gauge
- Ideal for when water hardness is low



Reverse Osmosis Systems



Since our invention and patent of the automatic produce mist system in 1979, Corrigan has grown to be a leader in perishable controls for the supermarket industry. Our experience and innovation is exemplified in quality equipment, and committed people that are dedicated to customer satisfaction.

Corrigan offers four reverse osmosis systems to meet your water needs:

CRO300 – 365 gallons per day

CRO360 – 360 gallons per day

CRO850 – 850 gallons per day

CRO1700 – 1700 gallons per day

CRO300 Reverse Osmosis System

Corrigan reverse osmosis filtration will increase your sales and profits with water that:

- Won't leave mineral and scale residue on surfaces
- Sharply lowers maintenance on water-using equipment
- Makes better tasting beverages and ice

CRO300 Features

- 365 gallons per day
- 99% rejection of dissolved solids
- Permeate auto-flush*
- 2.5" x 21" high flow membrane
- 50% recovery (one gallon to drain for every made)
- Low feed-water pressure switch with lockout and reset button to prevent damage to pump
- Adjustable tank pressure switch
- 20" Sediment and Carbon pre-filters included with system

CRO300 Applications

- Automatic misting systems (helps eliminate scale spotting)
- Coffee & post-mix equipment
- Ice machines
- Bakery equipment
- Steam tables
- Floral
- Water vending equipment
- Steam equipment
- Deionization pretreatment

***Permeate Auto Flush:** After filling the storage tank, a typical RO shuts down leaving hard water inside the membrane. This hard water dramatically shortens the life of the membrane and effects water quality upon start-up. Corrigan's Permeate Auto-Flush feature automatically cleans the hard water off of the membrane after each cycle. This process prolongs membrane life and significantly reduces maintenance costs.

CRO300 System Components



Filtration

Two larger 20" filters for greater filtering ability and longer time between changes.



RO System

Includes long-life membrane design as clean water automatically flushes hard water off membrane after each cycle.



Accumulator Tank

Nine-gallon water storage tank provided as standard. Larger available.



CRO360 Reverse Osmosis System

Corrigan's economical alternative for smaller reverse osmosis applications.



Corrigan reverse osmosis filtration will increase your sales and profits with water that:

- Won't leave mineral and scale residue on surfaces
- Sharply lowers maintenance on water-using equipment
- Makes better tasting beverages and ice
- Features 24V pump for pressurizing treated water

CRO360 Features

- 360 gallons per day
- 95% average TDS rejection
- Permeate auto-flush*
- 3.16" x 18.75" membrane
- 50% recovery (one gallon to drain for every gallon made)
- Adjustable tank pressure switch
- 20" sediment and carbon pre-filters included with system
- Required inlet pressure 50psi
- 24V pump for pressurizing treated water

CRO360 Applications

- Automatic misting systems (helps eliminate scale spotting)
- Ice machines
- Bakery equipment
- Steam tables
- Floral
- Water vending equipment
- Steam equipment
- Deionization pretreatment
- Coffee and post-mix equipment

CRO360 System Components

Filtration

A 20" sediment filter followed by a 20" carbon filter allows for greater filtering ability, longer time between changes and better membrane life.

RO System

Includes long-life membrane design as clean water automatically flushes hard water off membrane after each cycle.



Accumulator Tank

Nine-gallon water storage tank provided as standard, larger available.

CRO850 Reverse Osmosis System

Corrigan reverse osmosis filtration will increase your sales and profits with water that:

- Won't leave mineral and scale residue on surfaces
- Sharply lowers maintenance on water-using equipment
- Makes better tasting beverages and ice

CRO850 Features

- 850 gallons per day
- 99% rejection of dissolved solids
- Permeate auto-flush*
- 2.5" x 40" high flow membrane
- 50% recovery (one gallon to drain for every gallon made)
- Low feed-water pressure switch with lockout and reset button to prevent damage to pump
- Adjustable tank pressure switch
- 20" Sediment and Carbon pre-filters included with system

CRO850 Applications

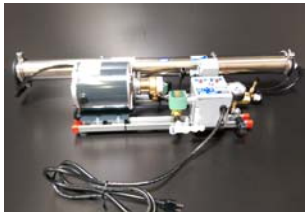
- Automatic misting systems (helps eliminate scale spotting)
- Ice machines
- Bakery equipment
- Steam tables
- Floral
- Water vending equipment
- Steam equipment
- Deionization pretreatment
- Coffee & post-mix equipment

CRO850 System Components



Filtration

Two larger 20" filters for greater filtering ability and longer time between changes.



RO System

Includes long-life membrane design as clean water automatically flushes hard water off membrane after each cycle.



Accumulator Tank

Nine-gallon water storage tank provided as standard. Larger sizes are available.

CRO1700 Reverse Osmosis System

CRO1700 Features

- 1700 gallons per day
- 99% rejection of dissolved solids
- Permeate auto-flush*
- Two 2.5" x 40" high flow membrane
- 50% recovery (one gallon to drain for every gallon made)
- Low feed-water pressure switch with lockout and reset button to prevent damage to pump
- Adjustable tank pressure switch
- 20" Sediment and carbon pre-filters included with system

CRO1700 Applications

- Automatic misting systems (helps eliminate scale spotting)
- Ice machines
- Bakery equipment
- Steam tables
- Floral
- Water vending equipment
- Steam equipment
- Deionization pretreatment
- Coffee & post-mix equipment

CRO1700 System Components



Filtration

Two larger 20" filters for greater filtering ability and longer time between changes.



RO System

Includes long-life membrane design as clean water automatically flushes hard water off membrane after each cycle.



Accumulator Tank

Nine-gallon water storage tank provided as standard. Larger sizes are available.

	CRO 300	CRO 360
Nominal capacity¹	365 gallons per day	360 gallons per day
RO assembly dimensions	29" wide, 13.5" deep, 8" tall	22" wide, 9" deep, 30" tall
Filtration Dimensions	14" wide, 5" deep, 14" high	Included in above dimensions
Weight Dry	60 lbs.	40 lbs.
Nominal Operating Pressure	165 psi	minimum 50 psi line
Typical Recovery	50%	50%
Membrane	1 each thin film- 2.5" X 21"	1 each thin film - 3.16" X 18.75"
Ionic Rejection range	95 - 98%	95 - 98%
Housing	Stainless steel	Plastic
Pump	Brass standard vane	Line pressure
Switches	Low feed water and tank pressure cutout	Low feed water and tank pressure cutout
Electrical	120V, 15A, 60Hz	120V, 15A, 60Hz
Motor	1/2 HP, Thermally Protected, 1725 RPM, Drip Proof	24V Diaphragm
Maximum feed temperature	77°F	77°F
Feed pH range	2-11	4-10
Maximum free chlorine²	<0.1 ppm	<0.1 ppm

	CRO 850	CRO 1700
Nominal capacity¹	850 gallons per day	1700 gallons per day
RO assembly dimensions	46" wide, 13.5" deep, 8" tall	46" wide, 13.5" deep, 10" tall
Filtration Dimensions	14" wide, 5" deep, 14" high	14" wide, 5" deep, 14" high
Weight Dry	68 lbs.	84 lbs.
Nominal Operating Pressure	165 psi	165 psi
Typical Recovery	50%	50%
Membrane	1 each thin film- 2.5" X 40"	2 each thin film- 2.5" X 40"
Ionic Rejection range	95 - 98%	95 - 98%
Housing	Stainless steel	Stainless steel
Pump	Brass	Brass
Switches	Low feed water and tank pressure cutout	Low feed water and tank pressure cutout
Electrical	120V, 15A, 60Hz	120V, 15A, 60Hz
Motor	1/2 HP, Thermally Protected, 1725 RPM, Drip Proof	1/2 HP, Thermally Protected, 1725 RPM, Drip Proof
Maximum feed temperature	77°F	77°F
Feed pH range	2-11	2-11
Maximum free chlorine²	<0.1 ppm	<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.

Coffee and Espresso

Water Filtration



Corrigan knows that coffee and espresso drinkers are passionate about their water chemistry. Our filtration options will deliver the water quality you require. Our water filtration systems are proven to:

- Make better tasting espresso and brewed beverages
- Increase the life of your espresso machine and brewer
- Maintain precise water chemistry

Our premium reverse osmosis system with recycle, calcite filtration produces water that complies with the Statistics and Standards Committee of the Specialty Coffee Association:

Characteristics	Acceptable Range
TDS (Total Dissolved Solids)	70-250 mg/L
Total Chlorine	0 mg/L
Total Hardness	1-5 grains or 17 mg/L – 85 mg/L
Total Alkalinity	At or near 40 mg/L
pH	6.5 - 7.5
Odor	Clean/Fresh and Odor Free
Color	Clear Color



System Choices:

We understand there are differing water requirements and varying budgets for your coffee, espresso and brewed beverage water. To accommodate all your needs we offer three separate systems:



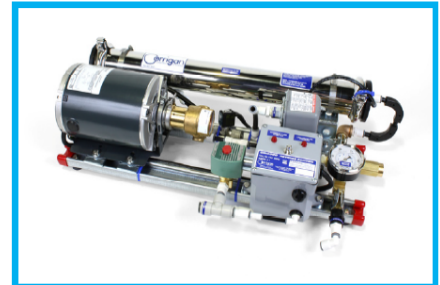
600DF20 Dual Filtration System

A 20" sediment filter followed by a 20" carbon filter allows for greater filtering ability, and longer time between filter changes. System removes sediment, lowers TDS, and greatly reduces chlorine levels.



CRO360 Reverse Osmosis System

Line pressure 4 stage, reverse osmosis system with a 9 gallon storage tank. Removes sediment, chlorine, and dramatically lowers TDS levels and improves taste and other aesthetic qualities of the water.



CRO300 Reverse Osmosis System

Premium Reverse Osmosis System with pre-filters, needle valve, calcite filter and 9 gallon storage tank. Removes chlorine, sediment, adjusts pH and optimizes TDS levels to desired specifications.

All systems come with post processing in-line carbon filter and a hand-held total dissolved solids (TDS) meter.

Specialty Water Filtration



Water is extremely important to your Grocery Store operation. Corrigan understands that incoming water quality varies geographically as well as seasonally. Throughout our 40 years of filtering water, we have engineered a group of products that are proven effective and reliable.

All our products are designed with reusable filter housings. They are robust, efficient, reduce your replacement filter costs, and minimize the weight of your waste. There is no reason to dispose of the plastic filter housing into the landfill each time you need a filter change.



Part #	Sediment Removal	Chlorine Removal	Scale Reduction	Taste and Odor Reduction	VOC Reduction	Microbiological Inhibition	Cyst Removal	pH Elevation	Equipment Type	Description	
600CF								X	Coffee, Post reverse osmosis	Single 10" Calcite	
600DF1020	X	X	X	X	X				Coffee, Ice Machine, Ovens, Proofers, Tea	Double 20" Carbon 10" Scale	
600DF1010	X	X	X	X	X				Coffee, Ice Machine, Ovens, Proofers, Tea	Double 10" Carbon, 10" Scale	
600SFC20	X	X		X	X				Coffee, Ice Machine, Tea	Single 20" Carbon	
600SFC	X	X		X	X				Coffee, Ice Machine, Tea	Single 10" Carbon	
600DF30	X	X		X	X				Coffee, Ice Machine, Tea	Double 10" Carbon, 10" Sediment (1μ)	
600TF101010	X	X	X	X	X		X		Cold beverage, Drinking water	Triple 10" Carbon 10" Sediment (0.2μ) 10" Scale	
600DF20	X	X				X	X		Cold beverage, Drinking water	Double 10" KDF, 10" Sediment (0.2μ)	
600SF20	X								Drinking water	Single 20" Sediment (5μ)	
600SF	X								Drinking water	Single 10" Sediment (1μ)	
600DF	X	X				X			Humidification prefiltration	Double 10" KDF, 10" Sediment (1μ)	
600TF2010	X	X	X	X	X				Ice machine	Triple 20" Carbon, 20" Sediment (5μ), 10" Scale	
600DF20	X	X		X	X				Reverse osmosis prefiltration	Double 20" Sediment (5μ), 20" Carbon	

Sediment Removal

Solid particulates can interfere with the proper operation of your equipment

Chlorine Removal

Chlorine is used in the disinfection of water, but can have an off taste. Chlorine may also interfere with sensitive membrane filtration methods

Scale Reduction

Hard water will form mineral scale buildup on your expensive equipment

Taste and Odor Reduction

Water with poor taste and odor issues will produce unpleasing water containing products

Replacement Filter Cartridge 1

10"

20"

Replacement Filter Cartridge 2

10"

20"

Replacement Filter Cartridge 3

10"

20"

	FCCALCITE10					
		FCCB20	FCS001			
	FCCB10		FCS001			
		FCCB20				
	FCCB10					
	FCCB10		FCRB110			
	FCCB10		FCP045		FCS001	
	FCKDF10		FCP045			
		FCRB520				
	FCRB110					
	FCKDF10		FCRB110			
		FCCB20		FCRB520	FCS001	
		FCRB520		FCCB20		

VOC Reduction

Volatile Organics Chemicals (VOC) can pose health risks and are regulated by the Safe Water Drinking Act

Microbiological Inhibition

Waterborne pathogens should not be present in potable water sources

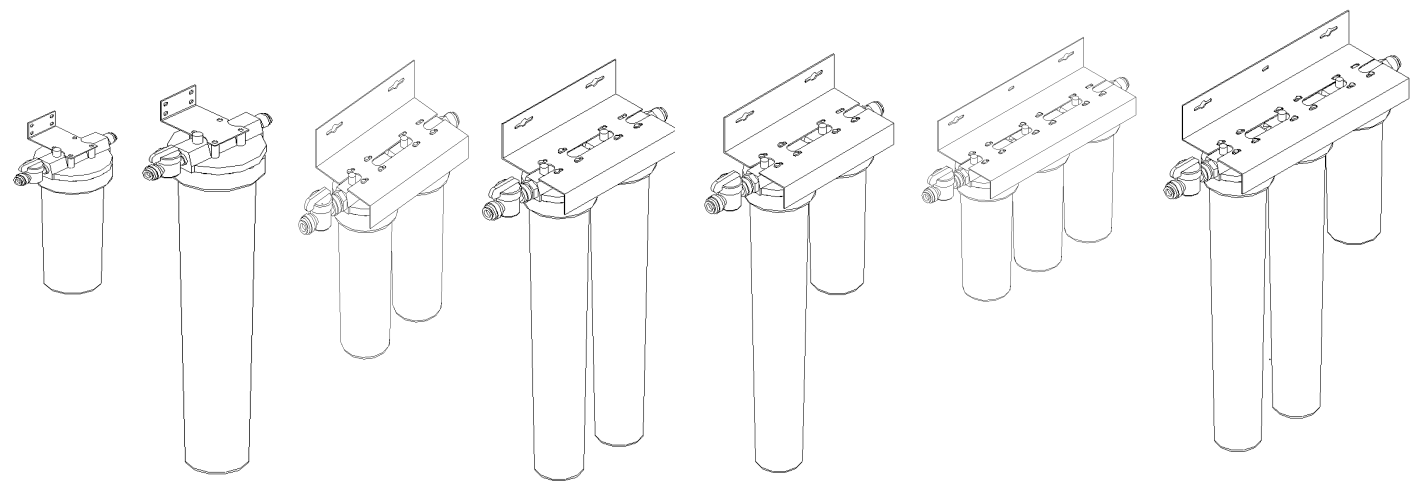
Cyst Removal

Cryptosporidium and Giardia are found in lakes and streams. An absolute less than 1 micron filter is required.

pH Elevation

Some incoming water or subsequent filtration processes lower the pH of your water below your desired specification

Below is the configuration of our most common filter types:



Single 10"	Single 20"	Dual 10"	Dual 20"	Dual 20" 10"	Triple 10"	Triple 20" 20" 10"
600CF	600SFC20	600DF30	600DF20	600DF1020	600TF101010	600TF2010
	600SF20	600DF2				
		600DF1010				

Corrigan recommends that water filters be changed at least every 6 months. Incoming water quality, flow rates and pressure all affect filter efficiencies and expected life.

The maximum pressure rating for the housing assemblies is 125 psi.

The rated temperature range is 40°F -125°F.

Industrial

Industrial



800.462.6478

Humidification Systems - Direct Room



VaporDry™

Robust humidity control up to 100% RH without wetting floors, walls and moisture sensitive equipment.

VaporDry™ Benefits

- Largest volume of dry fog from a single system
- Non-wetting vapor provides very high humidity in storage applications
- Low air pressure + Low water pressure + Low maintenance = Low Cost
- 90% more energy efficient than traditional steam humidifiers
- Multiple control options
- Precise humidity control

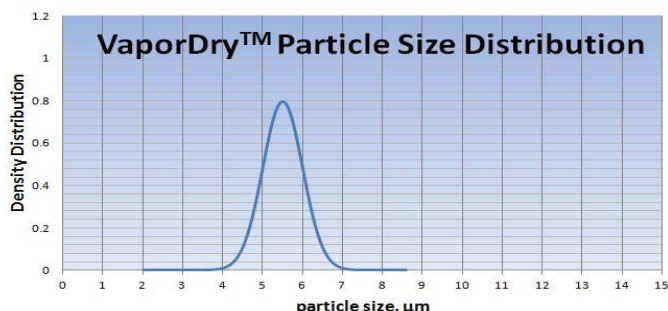
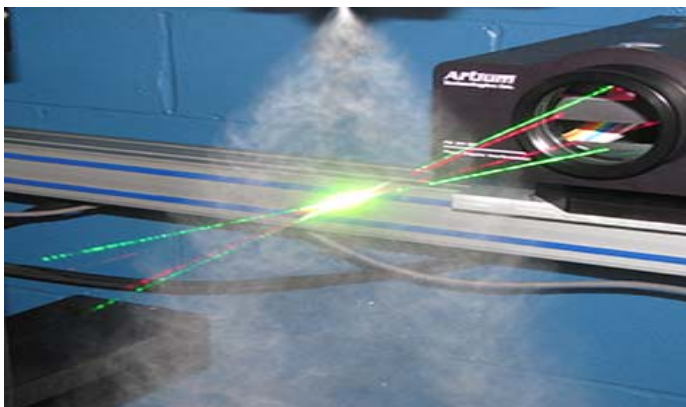


800.462.6478



Air Atomizing System

Produces fine vapor fog, won't rust and resists clogging.



Controlled Dry Fog Particle Size Distribution

Our precision machined nozzle technology along with accurately controlled air and water pressures allow for droplet sizes as small as 2 microns and consistently well below a 10 micron size water vapor.

Using a 632.8nm HeNe laser diffraction Particle Analyzer that measures drop size based on the diffraction pattern of the laser caused by the water vapor passing through the sampling area, Corrigan optimized the parameters needed to consistently produce dry fog.

VaporDry™ produces dry fog particles that rapidly evaporate before saturating or condensing on any surface.

VaporDry™ Applications

- Perishable Warehouses and Distribution Centers
- Banana Ripening and Citrus De-greening Rooms
- Wet Room and Cold Room Storage
- Greenhouses and Agricultural Applications
- Paper and Printing Operations
- Automotive Spray Booth Humidification
- Medical and Pharmaceutical Manufacturing
- Museums, Concert Halls, Art Galleries
- Barrel Storage
- Any Situation that Requires Precise Humidity



Perishable Warehouses



Banana Ripening



Wet Room Storage



Greenhouse and Agricultural



Spray Booths



Barrel Storage



VaporDry Humidifier

Each system has a capacity of 8.34 lbs/hr and consumes 2.5 CFM at 35psi. The system can be specified to meet the exact requirements of any application.

Dimensions: 8" wide, 18" deep, 9" tall

Mounting: 'L' bracket or threaded rod



% RH Sensor

Various %RH sensors are available depending on the specific application. Temperature, set point % RH, % accuracy, and environmental conditions will determine the correct %RH sensor.

For high humidity applications, a heated probe is recommended.



Control Panel

Control panels come in various configurations depending on the specific application. From simple one panel readouts to NEMA rated enclosures, we will provide the correct control panel for your application.



Compressor Unit

Each air atomizing nozzle consumes 3.5 CFM at 35 PSI. Compressors vary from fractional horsepower units up to multi-horsepower units to provide the correct volume of air at the correct pressure for your application.



VaporDryHP is ideal for warehouses, greenhouses, urban farming, grow facilities and high ceiling applications.



VaporDry^{HP}TM

High Pressure Humidity System

Precise Humidity Control

Ideal for high ceiling and large space applications, dust suppression, controlling static electricity, warehouses, agricultural applications and anywhere precise humidification is required.

VaporDry^{HP}TM Benefits

- 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 efficient than traditional steam humidifiers



Description

This high pressure misting system can be specified to meet your exact needs. The system uses stainless steel components, a high pressure pump and flexible nozzle spacing design for optimal results. From dust suppression, to humidity control the VaporDryHP is the cost effective and energy saving solution. The added benefit of cooling is desirable in a variety of applications.



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

- 6 lbs./hour per nozzle
- No air required

Water Filtration

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

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
- Rated to 3000 psi

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

Humidification Systems - Concrete Moist Rooms



VaporPlus™

VaporPlus™ utilizes air atomization technology to produce a fine vapor fog, creating an optimal environment for curing and storing concrete specimens.

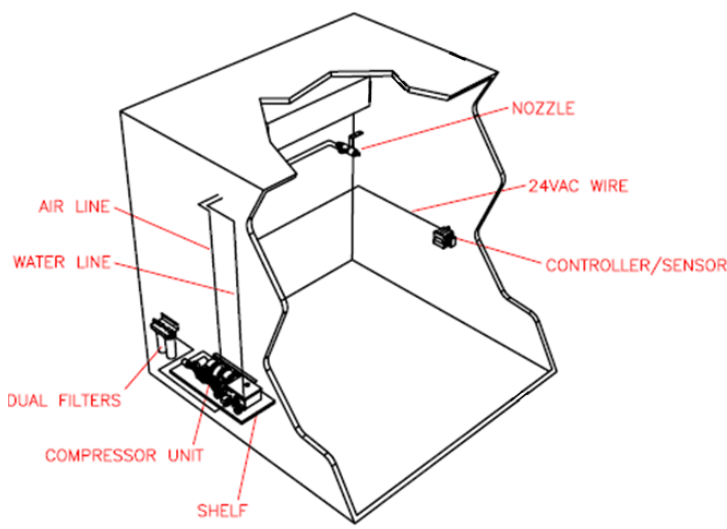
VaporPlus™ Benefits

- Compliant with ASTM C511 standards
- Accommodates wet rooms of all sizes
- Simple timer operation (or easy to set humidistats)
- Optional remote monitoring capabilities allow for accurate on-demand humidity read-outs
- Does not require costly reverse osmosis water filtration
- Ease of installation
- Very low maintenance
- Industry-best 2-year warranty

System Operation

A timer initiates start of humidity cycle. A water valve opens and the compressor activates, mixing regulated water and air as the nozzle produces a fog.

The base system runs with an ON/OFF timer, but %RH sensing and control is available. Temperature readout is also available.



System Components:



Filtration

Includes sediment removal and custom Corrigan 100% KDF anti-bacterial filter.



Air Atomizing Nozzle

Stainless steel nozzle produces fine vapor fog, won't rust and resists clogging.



Timer Control

Flexible setting so preferred humidity level is easily achieved.



Compressor Unit

Low profile design for installation ease with adjustable water regulator for added humidity control.

Optional:



% RH Sensor

For ASTM C511 conditions, an accurate high humidity level heated probe is mandatory. If desired, the %RH sensor can also be configured to output the temperature.



Control Panel

Control panels come in various configurations depending on the specific application. From simple one panel readouts to NEMA rated enclosures, we will provide the correct control panel for your application.



TriOBreeze for Mold Inhibition

TriOBreeze is a natural and safe way to kill bacteria, yeasts, molds and viruses. Easily added to the VaporPlus™, the TriOBreeze system produces activated oxygen fog to keep your room cleaner and inhibit mold growth.

Description

ASTM C511 requires the room be 23.0 +/- 2.0°C and a relative humidity of not less than 95 percent. In addition, atmospheric condition must allow the samples to be saturated and look and feel moist.

The dual filters, timer control and the compressor assembly are mounted outside the humidified room. The stainless steel atomizing nozzle is mounted in the concrete storage moist room.

The VaporPlus timer control has variable ON time of greater than 5 minutes. This set by a variable potentiometer control knob. The OFF time is also adjustable and is factory set at 5 minutes. The OFF timer is located within the control box and is adjusted by a variable pot.



Filtration

Dimensions: 14" wide, 5" deep, 14" high
Mounting: Wall mount
Filters: 2-1/2" x 9-7/8" 1 micron sediment
100% KDF anti-bacterial filter



Air Atomizing Nozzle

Dimensions: 1" wide, 4.5" deep, 4." tall
Mounting: 'L' bracket



Timer Control

Dimensions: 9" wide, 2.5" deep, 5" high
Mounting: Wall mount
Timer range: ON time 0.1 – 5 minutes
OFF time 2 – 15 minutes (inside control box)



Compressor Unit

Electrical: 115VAC, 60Hz, 5.9 Amps. **Maximum of two compressors per 20A circuit.**
Dimensions: 13.5" wide, 13.5" deep, 6.8" tall
Mounting: Designed to sit on the floor or level surface

Humidification Systems - HydraFog Direct Room Humidifier



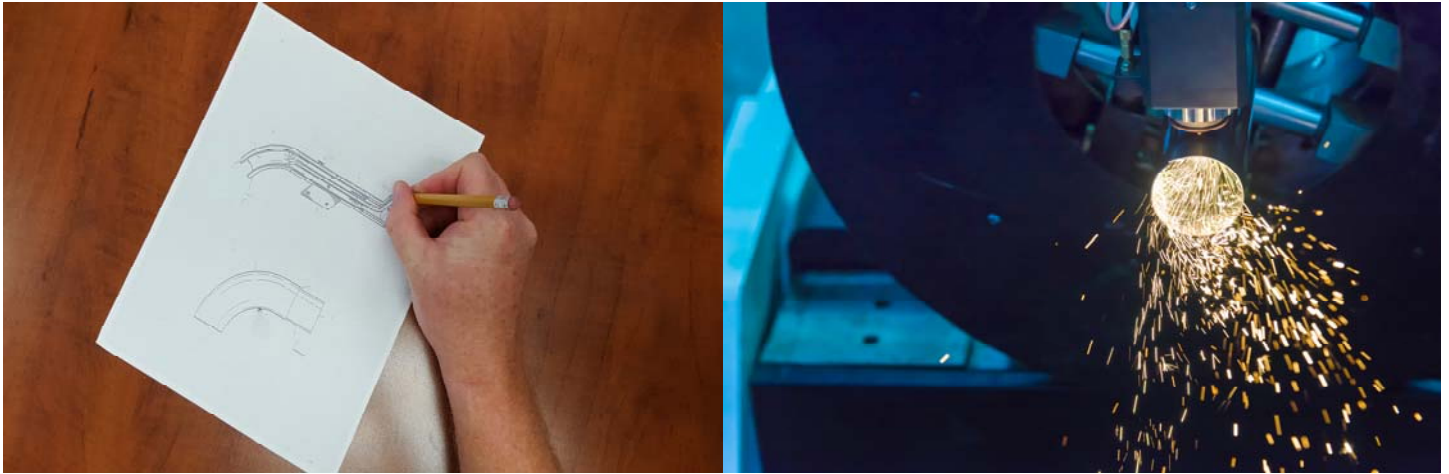
Hydrafog™

Whisper Quiet

Ideal for small spaces that are moisture sensitive and require precise, reliable humidification.

HydraFog™ Benefits

- Flexible, small footprint installation
- The low maintenance alternative to ultrasonic humidification
- Products maintain moisture and marketability
- The rolling fog attracts customers in retail spaces
- Optional remote monitoring capabilities allow for accurate on-demand humidity read-outs
- 90% more energy efficient than traditional steam humidifiers
- Ease of installation
- Industry-best 2-year warranty



Description

A direct room humidifier elegantly designed and patent pending. HydraFog produces a dry fog vapor effectively humidifying moisture-sensitive spaces.

The low profile design and simple clean in place maintenance is ideal for humidors, cigar bars, boutique retail spaces, specialty display cases, antiques and other custom applications.



Whisper Quiet

Ideal for spaces that are moisture sensitive and require precise, reliable humidification

- Flexible, small footprint installation
- The low maintenance alternative to ultrasonic humidification
- Products maintain moisture and marketability
- The rolling fog attracts customers in retail spaces
- Controller with real-time monitoring capabilities
- 90% more energy efficient than traditional steam humidifiers

SPECIFICATIONS

Water Filtration

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

Reliable, High Pressure Pump

- High efficiency fractional HP, 115V motor
- Plunger pump built to ISO 9001 standards
- Compact design
- Forged manifold with lifetime warranty

316 Stainless Steel Diffusers

- Standing tube with 90° bend or 45° bend
- Adjustable output for all humidity levels
- Additional diffuser styles 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

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

Humidification Systems - HydraFog Ducted Humidifier



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



Simple Design. Easy to Maintain.

HydraFog Ducted Humidifiers are ideal for all industrial and commercial humidification applications. Proper humidity control is also beneficial to promote wellness and create a comfortable environment for customers and employees.

HydraFog™ Benefits

- This small footprint system is the space saving, cost effective solution for in-duct humidification
- Low maintenance alternative to ultrasonic humidification
- Optional remote monitoring capabilities allow for accurate on-demand humidity read-outs
- 90% more energy efficient than traditional steam humidifiers
- Ease of installation



800.462.6478

Description

An in-duct humidifier delivers adiabatic humidity for all commercial and industrial humidification applications. The patent pending system produces a dry fog solving the concern for dampness and condensation in ducts.

The low profile design and simple clean-in-place maintenance is ideal for anywhere that reliable, low maintenance humidification is needed.



Simple Design. Easy to Maintain.

Ideal for spaces that are moisture sensitive and require humidification

- The small footprint allows for direct-room or ducted humidification for optimal energy savings and cost effectiveness.
- The low maintenance alternative to ultrasonic humidification
- Easy installation
- 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

SPECIFICATIONS

Water Filtration

- 0.20 micron filter
- Corrigan 100% KDF antibacterial filter
- Reverse Osmosis and other water filtration options available

Reliable, High Pressure Pump

- High efficiency fractional HP, 115V motor
- Plunger pump built to ISO 9001 standards
- Compact design
- Forged manifold with lifetime warranty

Diffusers

- Adjustable output for all humidity levels
- No-tool disassembly

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

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

Outdoor Cooling/Misting Systems



UltraCool™

UltraCool™ is ideal for keeping your customers cool. Evaporative Cooling is both theatrical and soothing.

Reliable, quality equipment every time. Commercial stainless steel components.

UltraCool™ Industries Served:

- Amusement Parks
- Water Parks
- Cafes, Bar and Restaurants
- Patios
- Poolside
- Animal Cooling
- Reptile Exhibits
- Sporting Events
- Theater Events



800.462.6478



Misting Assembly

Stainless steel mist bar, tees and clamps. Up to 1000psi misting nozzle with adjustable system pressure. Flexible nozzle layout and swivel tees.

Motor and Pump Assembly

High quality CAT brand Triplex pump and robust 115V or 220V motor. Safe, non-electric air actuated on/off switch. Low feedwater pressure lock out with manual reset and power indicator lights.

Filtration

Standard 0.45 micron sediment filter or, depending on water quality, HyperSoft™ Reverse Osmosis System.

Evaporative Cooling occurs when water is evaporated into the drier surrounding air. Energy is taken out of the air to evaporate the water particles resulting in a drop in overall temperature. This effect works well when the ambient air is relatively dry. The bigger the difference between the dry bulb temperature and wet bulb temperature the better the cooling driving force.

Water Filtration



Corrigan carries a variety of commercial water filtration systems: advanced reverse osmosis systems, water softeners, activated carbon beds, chemical injection pumps and custom filtration media designed to solve even the toughest water problems.

Common perceptible issues like scale deposits, staining, bad taste, smells, cloudiness, discoloration and corrosion problems have all been solved by Corrigan.

Industries we have served include supermarkets, warehouses, office buildings, medical facilities, coffee shops, restaurants, dry cleaners, car washes, schools, hotels, salons, spas and aquariums.

The most important factor in treating your water is knowing exactly what is in your water.

*Please contact us for a complimentary water testing kit that includes a return box with the UPS shipping label. We will perform a **free water analysis** and provide the results back to you.*

Once we know what is in your water, we can discuss the best means to provide the water quality you desire.



PumpPak Filtration

Part# PumpPak

Use: Filtering and Pressurizing water

Benefits

- Pressurizes water to 60 - 80 psi
- One micron filter efficiently removes sediment
- Robust 0.6 gpm diaphragm pump with wetted material NSF listed
- 2 gallon bladder tank with 100 psi NSF pressure gauge
- Ideal for when water hardness is low



PumpPak Filtration

Electrical: 120V, 60Hz AC, 0.7 Amps
8 foot grounded cord with plug

Dimensions: 21" wide, 9" deep, 13" tall

Pressure Range: 60 – 80 psi

Mounting: Wall mount

Filter: 2-1/2" x 9-7/8" 1 micron sediment

Part# PumpPak01

Use: Filtering and Pressurizing water

Benefits

- Pressurizes water to 60 - 90 psi
- One micron filter efficiently removes sediment
- Robust 125 gph vane pump
- 9 gallon bladder tank with 100 psi NSF pressure gauge
- Ideal for when water hardness is low



PumpPak01 Filtration

Electrical: 120V, 60Hz AC, 15 Amps
8 foot grounded cord with plug

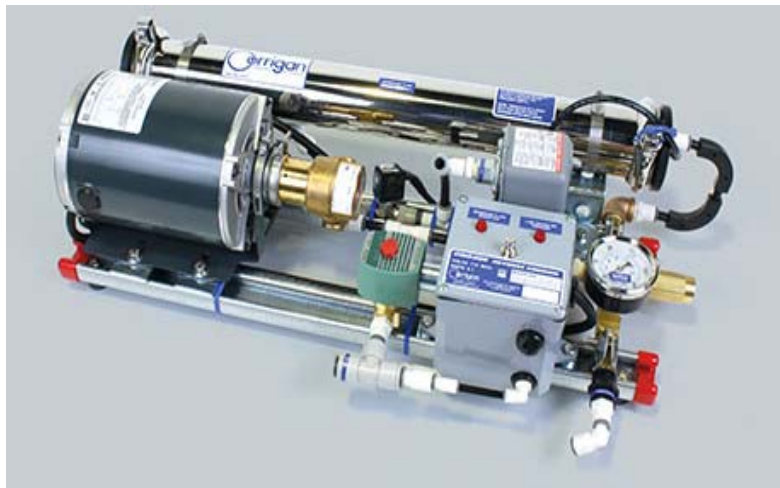
Dimensions: 24" wide, 16" deep, 20" tall

Pressure Range: 60 – 90 psi

Mounting: Wall mount or Floor mount

Filter: 2-1/2" x 9-7/8" 1 micron sediment

Reverse Osmosis Systems



Since our invention and patent of the automatic produce mist system in 1979, Corrigan has grown to be a leader in perishable controls for the supermarket industry. Our experience and innovation is exemplified in quality equipment, and committed people that are dedicated to customer satisfaction.

Corrigan offers four reverse osmosis systems to meet your water needs:

CRO300 – 365 gallons per day

CRO360 – 360 gallons per day

CRO850 – 850 gallons per day

CRO1700 – 1700 gallons per day

CRO300 Reverse Osmosis System

Corrigan reverse osmosis filtration will increase your sales and profits with water that:

- Won't leave mineral and scale residue on surfaces
- Sharply lowers maintenance on water-using equipment
- Makes better tasting beverages and ice

CRO300 Features

- 365 gallons per day
- 99% rejection of dissolved solids
- Permeate auto-flush*
- 2.5" x 21" high flow membrane
- 50% recovery (one gallon to drain for every made)
- Low feed-water pressure switch with lockout and reset button to prevent damage to pump
- Adjustable tank pressure switch
- 20" Sediment and Carbon pre-filters included with system

CRO300 Applications

- Automatic misting systems (helps eliminate scale spotting)
- Coffee & post-mix equipment
- Ice machines
- Bakery equipment
- Steam tables
- Floral
- Water vending equipment
- Steam equipment
- Deionization pretreatment

***Permeate Auto Flush:** After filling the storage tank, a typical RO shuts down leaving hard water inside the membrane. This hard water dramatically shortens the life of the membrane and effects water quality upon start-up. Corrigan's Permeate Auto-Flush feature automatically cleans the hard water off of the membrane after each cycle. This process prolongs membrane life and significantly reduces maintenance costs.

CRO300 System Components



Filtration

Two larger 20" filters for greater filtering ability and longer time between changes.



Accumulator Tank

Nine-gallon water storage tank provided as standard. Larger available.



CRO360 Reverse Osmosis System

Corrigan's economical alternative for smaller reverse osmosis applications.



Corrigan reverse osmosis filtration will increase your sales and profits with water that:

- Won't leave mineral and scale residue on surfaces
- Sharply lowers maintenance on water-using equipment
- Makes better tasting beverages and ice
- Features 24V pump for pressurizing treated water

CRO360 Features

- 360 gallons per day
- 95% average TDS rejection
- Permeate auto-flush*
- 3.16" x 18.75" membrane
- 50% recovery (one gallon to drain for every gallon made)
- Adjustable tank pressure switch
- 20" sediment and carbon pre-filters included with system
- Required inlet pressure 50psi
- 24V pump for pressurizing treated water

CRO360 Applications

- Automatic misting systems (helps eliminate scale spotting)
- Ice machines
- Bakery equipment
- Steam tables
- Floral
- Water vending equipment
- Steam equipment
- Deionization pretreatment
- Coffee and post-mix equipment

CRO360 System Components

Filtration

A 20" sediment filter followed by a 20" carbon filter allows for greater filtering ability, longer time between changes and better membrane life.

RO System

Includes long-life membrane design as clean water automatically flushes hard water off membrane after each cycle.



Accumulator Tank

Nine-gallon water storage tank provided as standard, larger available.

CRO850 Reverse Osmosis System

Corrigan reverse osmosis filtration will increase your sales and profits with water that:

- Won't leave mineral and scale residue on surfaces
- Sharply lowers maintenance on water-using equipment
- Makes better tasting beverages and ice

CRO850 Features

- 850 gallons per day
- 99% rejection of dissolved solids
- Permeate auto-flush*
- 2.5" x 40" high flow membrane
- 50% recovery (one gallon to drain for every gallon made)
- Low feed-water pressure switch with lockout and reset button to prevent damage to pump
- Adjustable tank pressure switch
- 20" Sediment and Carbon pre-filters included with system

CRO850 Applications

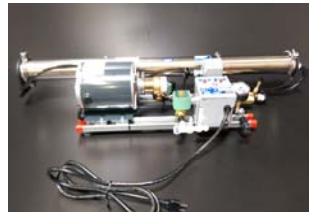
- Automatic misting systems (helps eliminate Scale spotting)
- Ice machines
- Bakery equipment
- Steam tables
- Floral
- Water vending equipment
- Steam equipment
- Deionization pretreatment
- Coffee & post-mix equipment

CRO850 System Components



Filtration

Two larger 20" filters for greater filtering ability And longer time between changes.



RO System

Includes long-life membrane design as clean water automatically flushes hard water off membrane after each cycle.



Accumulator Tank

Nine-gallon water storage tank provided as standard. Larger sizes are available.

CRO1700 Reverse Osmosis System

CRO1700 Features

- 1700 gallons per day
- 99% rejection of dissolved solids
- Permeate auto-flush*
- Two 2.5" x 40" high flow membrane
- 50% recovery (one gallon to drain for every gallon made)
- Low feed-water pressure switch with lockout and reset button to prevent damage to pump
- Adjustable tank pressure switch
- 20" Sediment and carbon pre-filters included with system

CRO1700 Applications

- Automatic misting systems (helps eliminate scale spotting)
- Ice machines
- Bakery equipment
- Steam tables
- Floral
- Water vending equipment
- Steam equipment
- Deionization pretreatment
- Coffee & post-mix equipment

CRO1700 System Components



Filtration

Two larger 20" filters for greater filtering ability and longer time between changes.



RO System

Includes long-life membrane design as clean water automatically flushes hard water off membrane after each cycle.



Accumulator Tank

Nine-gallon water storage tank provided as standard. Larger sizes are available.

	CRO 300	CRO 360
Nominal capacity¹	365 gallons per day	360 gallons per day
RO assembly dimensions	29" wide, 13.5" deep, 8" tall	22" wide, 9" deep, 30" tall
Filtration Dimensions	14" wide, 5" deep, 14" high	Included in above dimensions
Weight Dry	60 lbs.	40 lbs.
Nominal Operating Pressure	165 psi	minimum 50 psi line
Typical Recovery	50%	50%
Membrane	1 each thin film- 2.5" X 21"	1 each thin film - 3.16" X 18.75"
Ionic Rejection range	95 - 98%	95 - 98%
Housing	Stainless steel	Plastic
Pump	Brass standard vane	Line pressure
Switches	Low feed water and tank pressure cutout	Low feed water and tank pressure cutout
Electrical	120V, 15A, 60Hz	120V, 15A, 60Hz
Motor	1/2 HP, Thermally Protected, 1725 RPM, Drip Proof	24V Diaphragm
Maximum feed temperature	77°F	77°F
Feed pH range	2-11	4-10
Maximum free chlorine²	<0.1 ppm	<0.1 ppm

	CRO 850	CRO 1700
Nominal capacity¹	850 gallons per day	1700 gallons per day
RO assembly dimensions	46" wide, 13.5" deep, 8" tall	46" wide, 13.5" deep, 10" tall
Filtration Dimensions	14" wide, 5" deep, 14" high	14" wide, 5" deep, 14" high
Weight Dry	68 lbs.	84 lbs.
Nominal Operating Pressure	165 psi	165 psi
Typical Recovery	50%	50%
Membrane	1 each thin film- 2.5" X 40"	2 each thin film- 2.5" X 40"
Ionic Rejection range	95 - 98%	95 - 98%
Housing	Stainless steel	Stainless steel
Pump	Brass	Brass
Switches	Low feed water and tank pressure cutout	Low feed water and tank pressure cutout
Electrical	120V, 15A, 60Hz	120V, 15A, 60Hz
Motor	1/2 HP, Thermally Protected, 1725 RPM, Drip Proof	1/2 HP, Thermally Protected, 1725 RPM, Drip Proof
Maximum feed temperature	77°F	77°F
Feed pH range	2-11	2-11
Maximum free chlorine²	<0.1 ppm	<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.

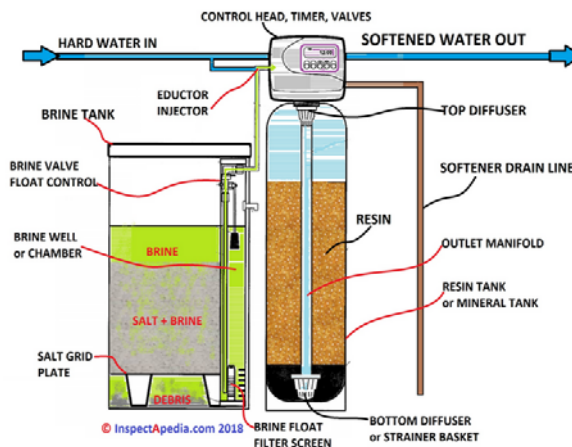
Water Softeners



Hard water is a very common problem. Hard water causes destroying build-up on your expensive appliances and fixtures. Hard water also diminishes the effectiveness of your soaps and detergents leaving your dishes, hair and skin with a layer of undesirable mineral buildup.

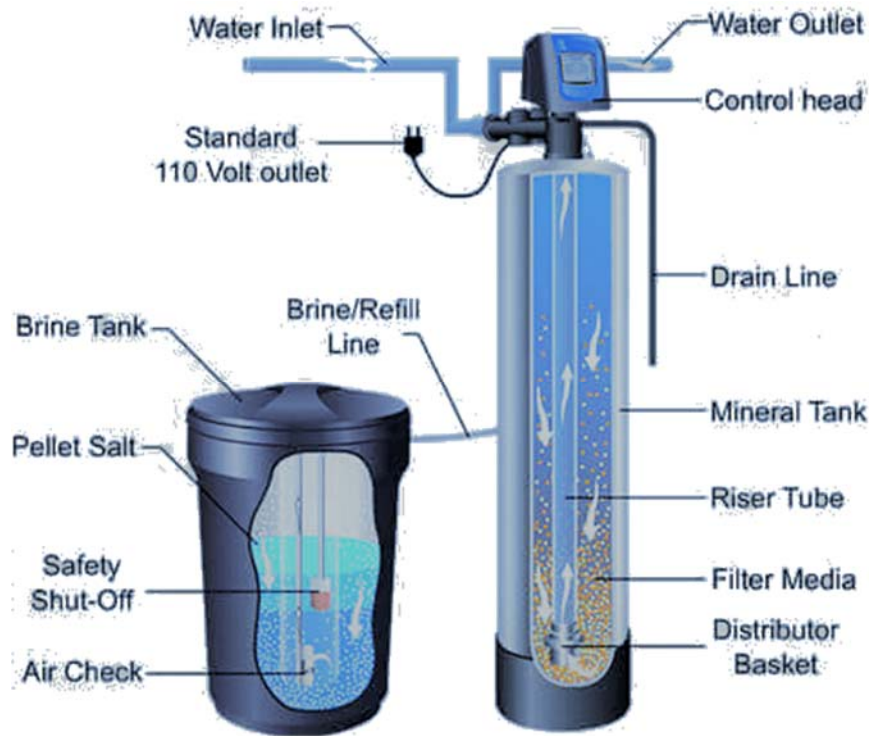
Water softeners use a process called ion exchange which removes calcium and magnesium ions and replaces them with the water soluble sodium ions. The hard water containing calcium and magnesium ions are passed through a bed of ion exchange resin where the calcium and magnesium are attracted to the surface of the exchange resin. When the exchange resin has attracted its capacity of magnesium and calcium ions a brine solution containing sodium ions is flushed across the beads where the calcium and magnesium is replaced with sodium ions.

Corrigan supplies water softener capacities with grains of hardness up to 1,200,000, flow rates up to 280 gpm with 3/4" - 3" piping.



There are three main components to our water softeners: mineral tank, control valve and brine tank. Corrigan specifies each based on your:

- incoming water hardness level
- the amount of water used
- regeneration timing constraints
- allowance for hard water by-pass
- the physical space allowed for installation



Mineral Tank—Corrigan sizes the mineral tank for the hardness of water to be treated (i.e. grains per gallon of water) and the regeneration timing requirements. Our NSF certified, 8% cross linked, polystyrene based exchange resin is of the highest quality and is expected to last 10 years based on normal inlet water conditions.

The mineral tank is properly designed with distributor pipe/riser tube and gravel for proper backwash, brine flow, and rinse cycles.

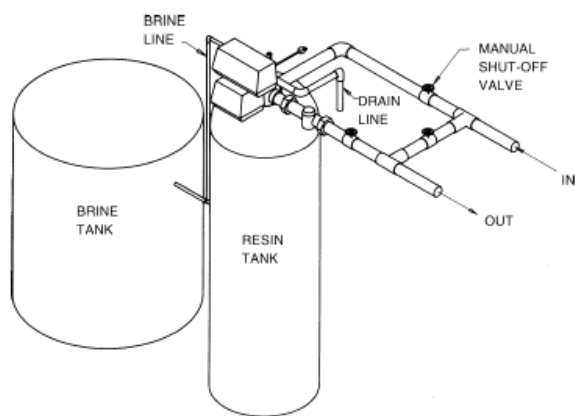
Control Head/Valve - Corrigan control heads/valves are made from lead-free brass and comply with NSF 61 standards. Our control heads can be purchased with Time Clock or Metered Valve control. Time Clock control typically uses 7 day or 12 day programming. Metered Valve control measures the volume of water used before regeneration occurs. If your water usage varies, a Metered Control valve will be more economical compared to regenerating based on time.

Brine Tank - Corrigan brine tanks are made from durable high density polyethylene and come complete with salt grid plate, lid and safety float valve. The brine tank should be sized to hold enough salt for numerous regeneration cycles.

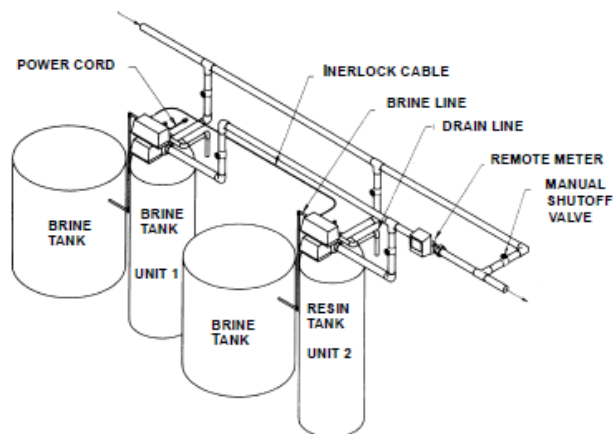
There are a number of ways to configure a water softening system. A single mineral tank configured with hardwater by-pass plumbing allows for hard water use when that mineral tank is regenerating. Using hardwater in your facility during regeneration will affect your appliances and fixtures but only during regeneration cycles. Regeneration is typically set at 2 a.m. when water usage is low.

A twin alternating system uses two mineral tanks in an alternating fashion. One mineral tank is regenerated and sitting idle while the other tank is in use to achieve constant soft water flow.

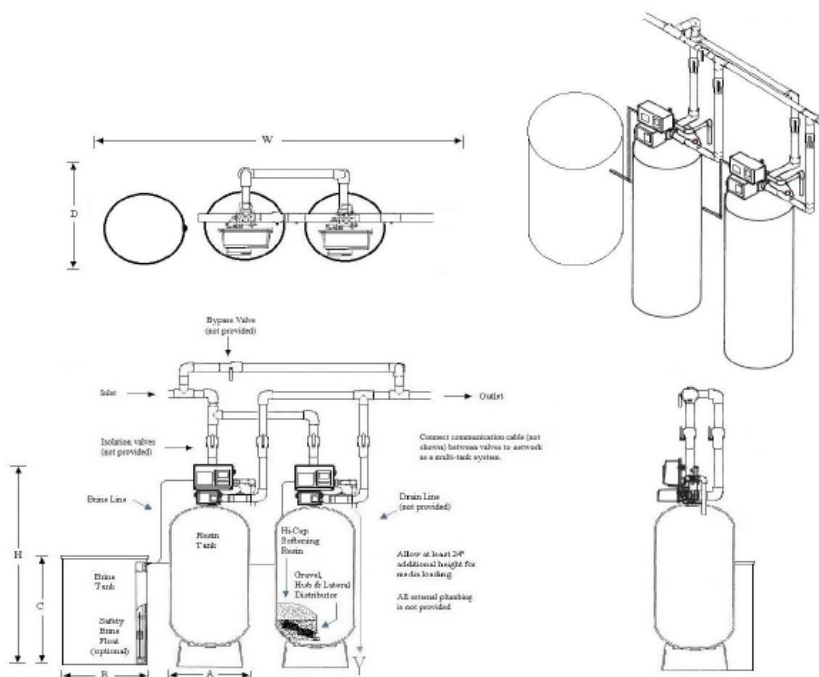
A duplex system also uses two mineral tanks but uses them in parallel operation. When required, one tank is shut down to regenerate while the other is on-line so there is no hard water by-pass. These are typically higher volume systems.



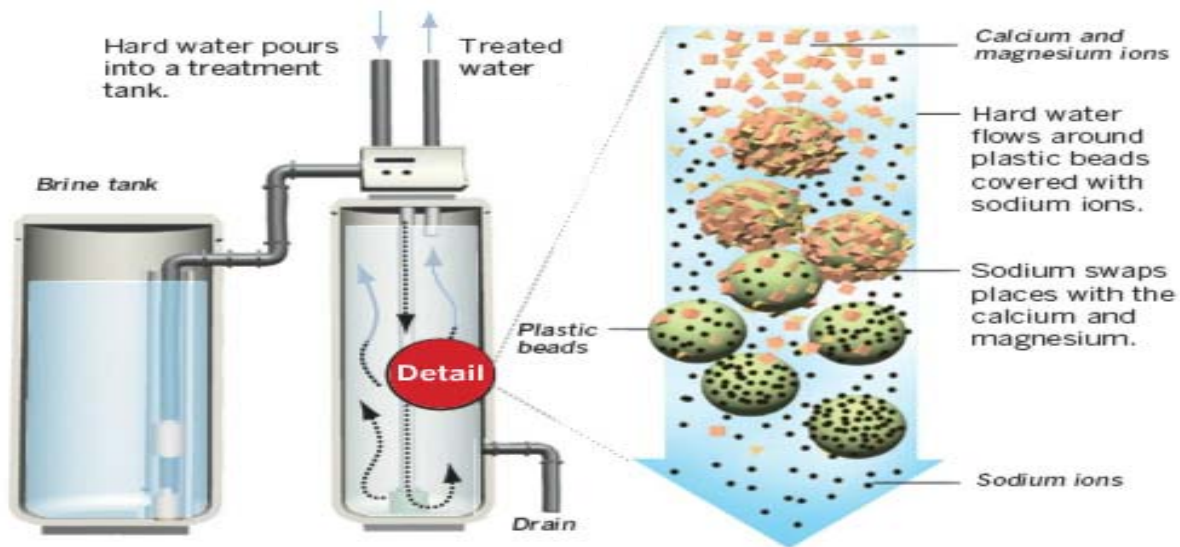
Single



Twin Alternating



Duplex



Water softeners are specified by the following parameters:

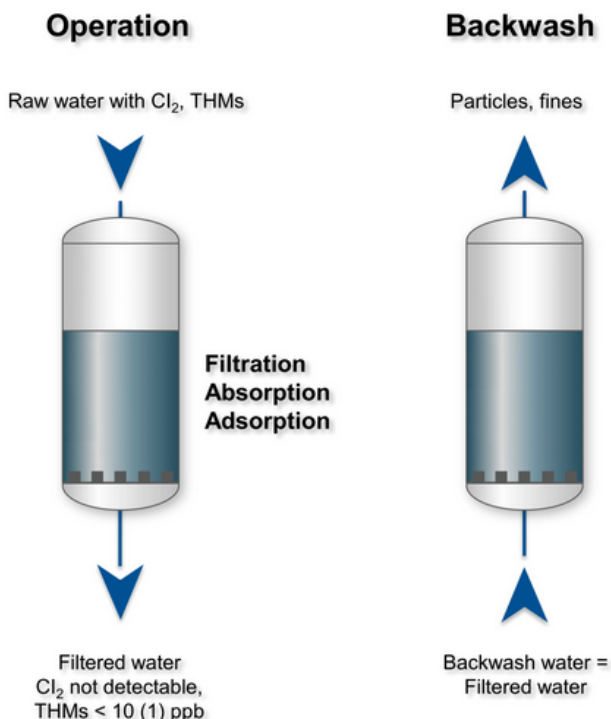
- incoming water hardness level
- the amount of water used
- regenerations timing constraints
- allowance for hard water by-pass
- the physical space allowed for installation

With these parameters, there are many variations of control valve, mineral tank size and brine tank size.

Here are some common examples of water softener configurations:

Piping Size	Description	Part #	Capacity (grains per day)	Service Flow (gpm)	Peak Flow (gpm)	Installation Dimensions (inches)	Mineral Tank (s) Dimensions (inches)	Brine Tank Dimensions (inches)
1"	Single	FS048	48,000	30	42	40 X 25 X 73	14 X 65	24 X 31
2"	Single	FS420	420,000	85	105	62 X 31 X 93	30 X 72	30 X 50
3"	Duplex	FS540	540,000	178	238	160 X 40 X 94	36 X 72	39 X 48

Carbon Bed Filtration



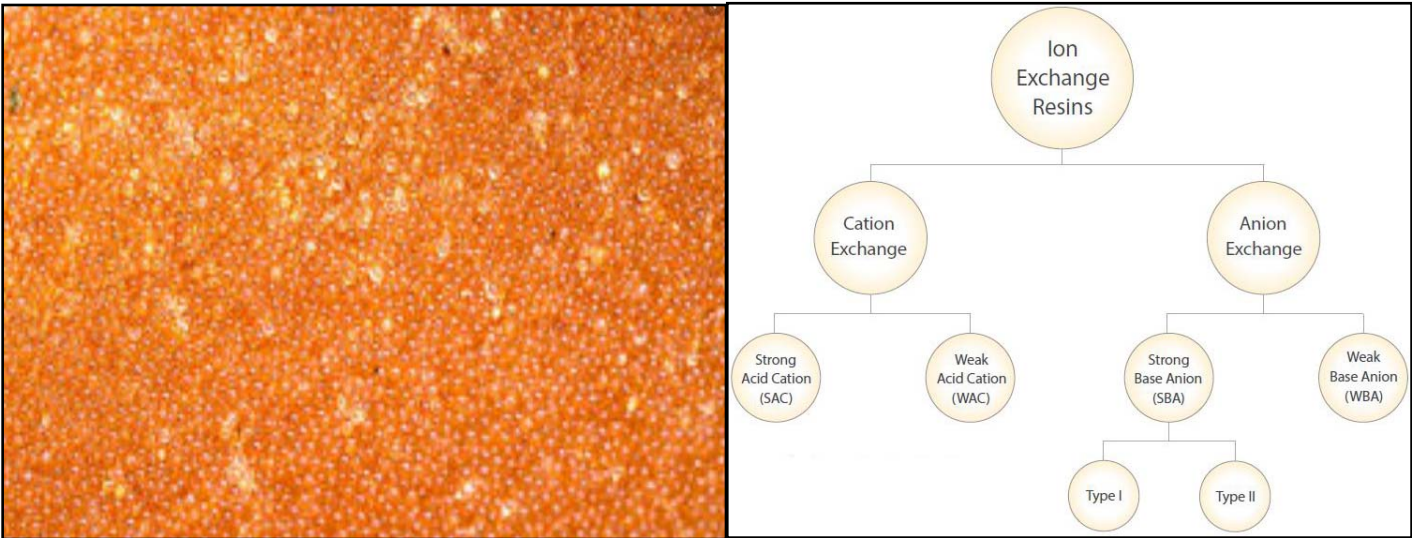
Carbon filtration is one of the oldest and most common types of water filtration. Carbon filtration improves the taste, odor and color of water. Carbon is known best for removing chlorine, trihalomethanes (THMs) and other organic constituents from water. The US EPA regulates THMs as they potentially have serious carcinogenic health effects. Carbon effectively filters water because it has an extremely high surface area per volume ratio (one gram has a surface area of 400m^2 — 1500m^2) whose surface adsorbs many type of contaminants.

Corrigan sells replaceable carbon block filters for point of use needs (e.g. Part # 600SFC and Part # 600SFC20).

Corrigan also sell larger tanks with control valves containing carbon. These larger tanks have greater capacity and life expectancy to filter out your contaminants. The control valves are programmed to backflush and remove sediment particles that settle within the carbon bed.



Ion Exchange Resins



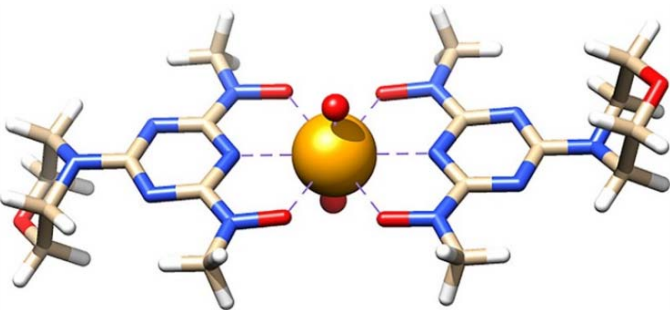
There are many types of contaminants found in water and there are many types of ion exchange resins engineered to remove these harmful substances. Removal of the following from water is possible:

Lead	Manganese	Sulfates	Nitrates	Nickel
Chromates	Perchlorates	Cadmium	Iron	Mercury
Zinc	Boron	Arsenic*	Lithium *	Fluoride*

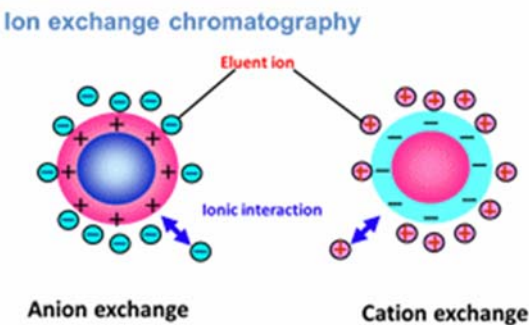
* arsenic, lithium and fluoride can be difficult due to efficiency/selectivity of the filtration

The specialized ion exchange resin filtration efficiency is dependent upon contaminant level, flow rates, pH, temperature and other constituents in the water. Please contact your Corrigan Sales Account Manager to discuss how we can improve your overall water quality.

Ion exchange resins are chelating agents and zeolites (cation/anion).



Chelating Agent



Zeolite

Convenience Store

Convenience Store



800.462.6478

PumpPak Filtration

Part# PumpPak

Use: Filtering and Pressurizing water

Benefits

- Pressurizes water to 60—80 psi
- One micron filter efficiently removes sediment
- Robust 0.6 gpm diaphragm pump with wetted material NSF listed
- 2 gallon bladder tank with 100 psi NSF pressure gauge
- Ideal for when water hardness is low



PumpPak Filtration

Electrical: 120V, 60Hz AC, 0.7 Amps
8 foot grounded cord with plug

Dimensions: 21" wide, 9" deep, 13" tall

Pressure Range: 60 – 80 psi

Mounting: Wall mount

Filter: 2-1/2" x 9-7/8" 1 micron sediment

Part# PumpPak01

Use: Filtering and Pressurizing water

Benefits

- Pressurizes water to 60 -90 psi
- One micron filter efficiently removes sediment
- Robust 125 gph vane pump
- 9 gallon bladder tank with 100 psi NSF pressure gauge
- Ideal for when water hardness is low



PumpPak01 Filtration

Electrical: 120V, 60Hz AC, 15 Amps
8 foot grounded cord with plug

Dimensions: 24" wide, 16" deep, 20" tall

Pressure Range: 60 – 90 psi

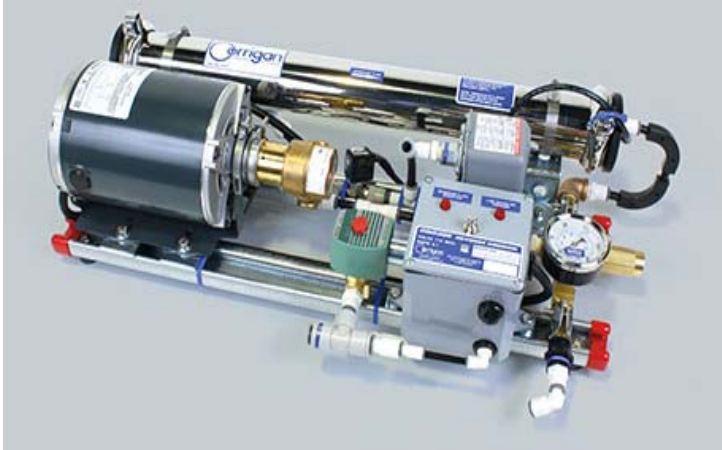
Mounting: Wall mount or Floor mount

Filter: 2-1/2" x 9-7/8" 1 micron sediment



800.462.6478

Reverse Osmosis Systems



Since our invention and patent of the automatic produce mist system in 1979, Corrigan has grown to be a leader in perishable controls for the supermarket industry. Our experience and innovation is exemplified in quality equipment, and committed people that are dedicated to customer satisfaction.

Corrigan offers four reverse osmosis systems to meet your water needs:

CRO300 – 365 gallons per day

CRO360 – 360 gallons per day

CRO850 – 850 gallons per day

CRO1700 – 1700 gallons per day

CRO300 Reverse Osmosis System

Corrigan reverse osmosis filtration will increase your sales and profits with water that:

- Won't leave mineral and scale residue on surfaces
- Sharply lowers maintenance on water-using equipment
- Makes better tasting beverages and ice

CRO300 Features

- 365 gallons per day
- 99% rejection of dissolved solids
- Permeate auto-flush*
- 2.5" x 21" high flow membrane
- 50% recovery (one gallon to drain for every gallon made)
- Low feed-water pressure switch with lockout and reset button to prevent damage to pump
- Adjustable tank pressure switch
- 20" Sediment and Carbon pre-filters included with system

CRO300 Applications

- Automatic misting systems (helps eliminate scale spotting)
- Coffee & post-mix equipment
- Ice machines
- Bakery equipment
- Steam tables
- Floral
- Water vending equipment
- Steam equipment
- Deionization pretreatment

****Permeate Auto Flush:*** After filling the storage tank, a typical RO shuts down leaving hard water inside the membrane. This hard water dramatically shortens the life of the membrane and effects water quality upon start-up. Corrigan's Permeate Auto-Flush feature automatically cleans the hard water off of the membrane after each cycle. This process prolongs membrane life and significantly reduces maintenance costs.

CRO300 System Components



Filtration

Two larger 20" filters for greater filtering ability and longer time between changes.



RO System

Includes long-life membrane design as clean water automatically flushes hard water off membrane after each Cycle.



Accumulator Tank

Nine-gallon water storage tank provided as standard. Larger tanks are available.



CRO360 Reverse Osmosis System

Corrigan's economical alternative for smaller reverse osmosis applications.

Corrigan reverse osmosis filtration will increase your sales and profits with water that:



- Won't leave mineral and scale residue on surfaces
- Sharply lowers maintenance on water-using equipment
- Makes better tasting beverages and ice
- Features 24V pump for pressurizing treated water

CRO360 Features

- 360 gallons per day
- 95% average TDS rejection
- Permeate auto-flush*
- 3.16" x 18.75" membrane
- 50% recovery (one gallon to drain for every gallon made)
- Adjustable tank pressure switch
- 20" sediment and carbon pre-filters included with system
- Required inlet pressure 50psi
- 24V pump for pressurizing treated water

CRO360 Applications

- Automatic misting systems (helps eliminate scale spotting)
- Ice machines
- Bakery equipment
- Steam tables
- Floral
- Water vending equipment
- Steam equipment
- Deionization pretreatment
- Coffee and post-mix equipment

CRO360 System Components



Filtration

A 20" sediment filter followed by a 20" carbon filter allows for greater filtering ability, longer time between changes and better membrane life.

RO System

Includes long-life membrane design as clean water automatically flushes hard water off membrane after each cycle.



Accumulator Tank

Nine-gallon water storage tank provided as standard, larger available.

CRO850 Reverse Osmosis System

Corrigan reverse osmosis filtration will increase your sales and profits with water that:

- Won't leave mineral and scale residue on surfaces
- Sharply lowers maintenance on water-using equipment
- Makes better tasting beverages and ice

CRO850 Features

- 850 gallons per day
- 99% rejection of dissolved solids
- Permeate auto-flush*
- 2.5" x 40" high flow membrane
- 50% recovery (one gallon to drain for every gallon made)
- Low feed-water pressure switch with lockout and reset button to prevent damage to pump
- Adjustable tank pressure switch
- 20" Sediment and Carbon pre-filters included with system

CRO850 Applications

- Automatic misting systems (helps eliminate scale spotting)
- Ice machines
- Bakery equipment
- Steam tables
- Floral
- Water vending equipment
- Steam equipment
- Deionization pretreatment
- Coffee & post-mix equipment

CRO850 System Components



Filtration

Two larger 20" filters for greater filtering ability and longer time between changes.



RO System

Includes long-life membrane design as clean water automatically flushes hard water off membrane after each cycle.



Accumulator Tank

Nine-gallon water storage tank provided as standard. Larger tanks are available.

CRO1700 Reverse Osmosis System

CRO1700 Features

- 1700 gallons per day
- 99% rejection of dissolved solids
- Permeate auto-flush*
- Two 2.5" x 40" high flow membrane
- 50% recovery (one gallon to drain for every gallon made)
- Low feed-water pressure switch with lockout and reset button to prevent damage to pump.
- Adjustable tank pressure switch 20" Sediment and Carbon pre-filters included with system

CRO1700 Applications

- Automatic misting systems (helps eliminate scale spotting)
- Ice machines
- Bakery equipment
- Steam tables
- Floral
- Water vending equipment
- Steam equipment
- Deionization pretreatment
- Coffee & post-mix equipment

CRO1700 System Components



Filtration

Two larger 20" filters for greater filtering ability and longer time between changes.



RO System

Includes long-life membrane design as clean water automatically flushes hard water off membrane after each cycle.



Accumulator Tank

Nine-gallon water storage tank provided as standard. Larger tanks are available.

	CRO 300	CRO 360
Nominal capacity¹	365 gallons per day	360 gallons per day
RO assembly dimensions	29" wide, 13.5" deep, 8" tall	22" wide, 9" deep, 30" tall
Filtration Dimensions	14" wide, 5" deep, 14" high	Included in above dimensions
Weight Dry	60 lbs.	40 lbs.
Nominal Operating Pressure	165 psi	minimum 50 psi line
Typical Recovery	50%	50%
Membrane	1 each thin film- 2.5" X 21"	1 each thin film - 3.16" X 18.75"
Ionic Rejection range	95 - 98%	95 - 98%
Housing	Stainless steel	Plastic
Pump	Brass standard vane	Line pressure
Switches	Low feed water and tank pressure cutout	Low feed water and tank pressure cutout
Electrical	120V, 15A, 60Hz	120V, 15A, 60Hz
Motor	1/2 HP, Thermally Protected, 1725 RPM, Drip Proof	24V Diaphragm
Maximum feed temperature	77°F	77°F
Feed pH range	2-11	4-10
Maximum free chlorine²	<0.1 ppm	<0.1 ppm

	CRO 850	CRO 1700
Nominal capacity¹	850 gallons per day	1700 gallons per day
RO assembly dimensions	46" wide, 13.5" deep, 8" tall	46" wide, 13.5" deep, 10" tall
Filtration Dimensions	14" wide, 5" deep, 14" high	14" wide, 5" deep, 14" high
Weight Dry	68 lbs.	84 lbs.
Nominal Operating Pressure	165 psi	165 psi
Typical Recovery	50%	50%
Membrane	1 each thin film- 2.5" X 40"	2 each thin film- 2.5" X 40"
Ionic Rejection range	95 - 98%	95 - 98%
Housing	Stainless steel	Stainless steel
Pump	Brass	Brass
Switches	Low feed water and tank pressure cutout	Low feed water and tank pressure cutout
Electrical	120V, 15A, 60Hz	120V, 15A, 60Hz
Motor	1/2 HP, Thermally Protected, 1725 RPM, Drip Proof	1/2 HP, Thermally Protected, 1725 RPM, Drip Proof
Maximum feed temperature	77°F	77°F
Feed pH range	2-11	2-11
Maximum free chlorine²	<0.1 ppm	<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.

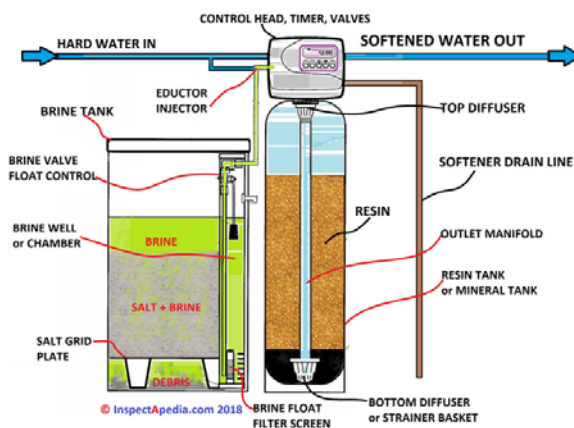
Water Softeners



Hard water is a very common problem. Hard water causes destroying build-up on your expensive appliances and fixtures. Hard water also diminishes the effectiveness of your soaps and detergents leaving your dishes, hair and skin with a layer of undesirable mineral buildup.

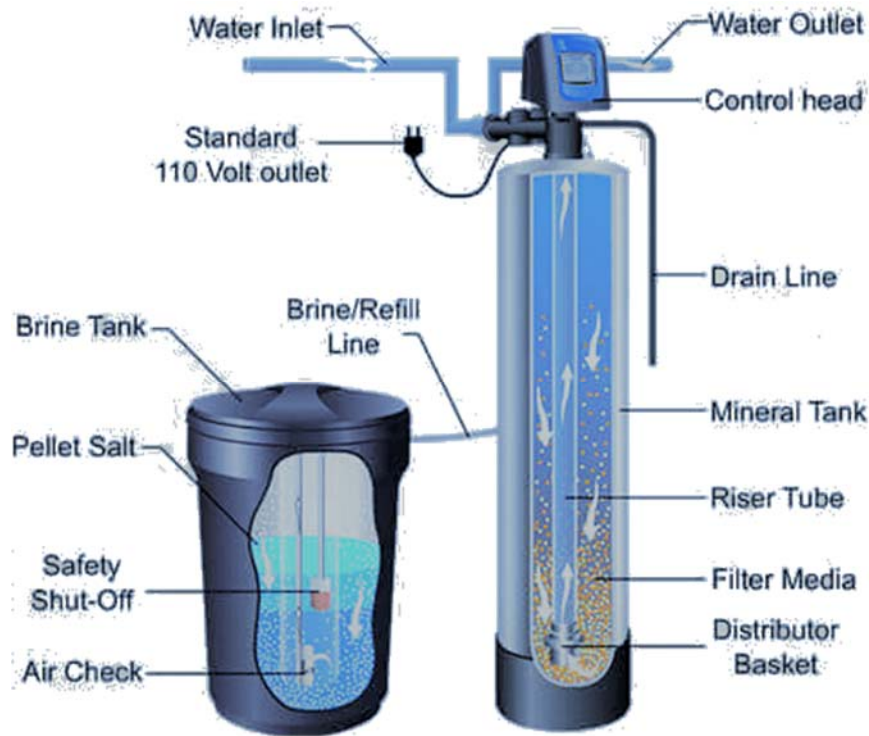
Water softeners use a process called ion exchange which removes calcium and magnesium ions and replaces them with the water soluble sodium ions. The hard water containing calcium and magnesium ions are passed through a bed of ion exchange resin where the calcium and magnesium are attracted to the surface of the exchange resin. When the exchange resin has attracted its capacity of magnesium and calcium ions a brine solution containing sodium ions is flushed across the beads where the calcium and magnesium is replaced with sodium ions.

Corrigan supplies water softener capacities with grains of hardness up to 1,200,000, flow rates up to 280 GPM with 3/4" - 3" piping.



There are three main components to our water softeners: mineral tank, control valve and brine tank. Corrigan specifies each based on your:

- incoming water hardness level
- the amount of water used
- regeneration timing constraints
- allowance for hard water by-pass
- the physical space allowed for installation



Mineral Tank—Corrigan sizes the mineral tank for the hardness of water to be treated (i.e. grains per gallon of water) and the regeneration timing requirements. Our NSF certified, 8% cross linked, polystyrene based exchange resin is of the highest quality and is expected to last 10 years based on normal inlet water conditions.

The mineral tank is properly designed with distributor pipe/riser tube and gravel for proper backwash, brine flow, and rinse cycles.

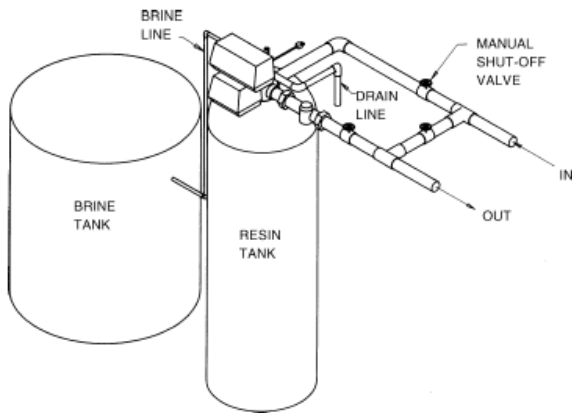
Control Head/Valve - Corrigan control heads/valves are made from lead-free brass and comply with NSF 61 standards. Our control heads can be purchased with Time Clock or Metered Valve control. Time Clock control typically uses 7 day or 12 day programming. Metered Valve control measures the volume of water used before regeneration occurs. If your water usage varies, a Metered Control valve will be more economical compared to regenerating based on time.

Brine Tank - Corrigan brine tanks are made from durable high density polyethylene and come complete with salt grid plate, lid and safety float valve. The brine tank should be sized to hold enough salt for numerous regeneration cycles.

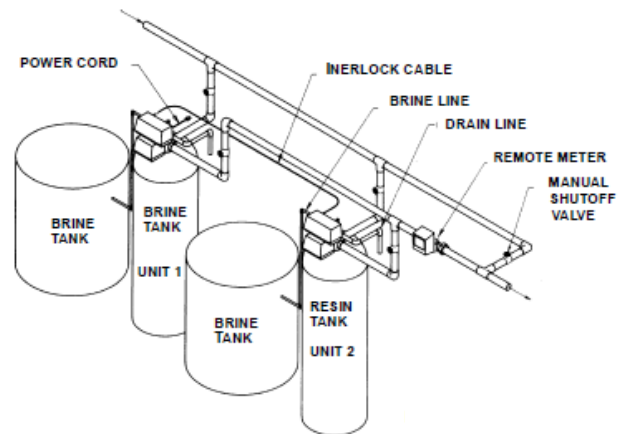
There are a number of ways to configure a water softening system. A single mineral tank configured with hardwater by-pass plumbing allows for hard water use when that mineral tank is regenerating. Using hardwater in your facility during regeneration will affect your appliances and fixtures but only during regeneration cycles. Regeneration is typically set at 2 a.m. when water usage is low.

A twin alternating system uses two mineral tanks in an alternating fashion. One mineral tank is regenerated and sitting idle while the other tank is in use to achieve constant soft water flow.

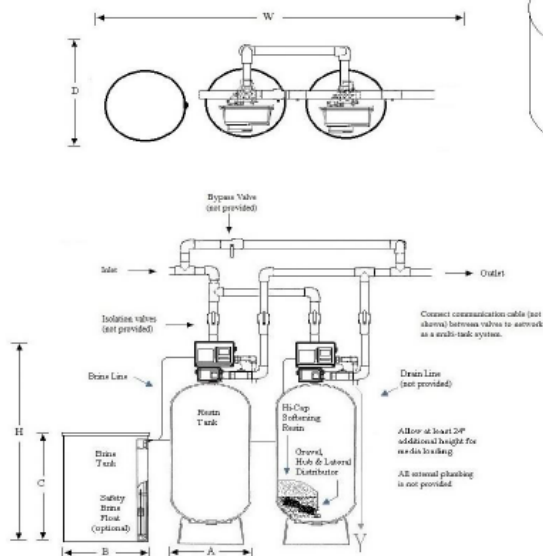
A duplex system also uses two mineral tanks but uses them in parallel operation. When required, one tank is shut down to regenerate while the other is on-line so there is no hard water by-pass. These are typically higher volume systems.



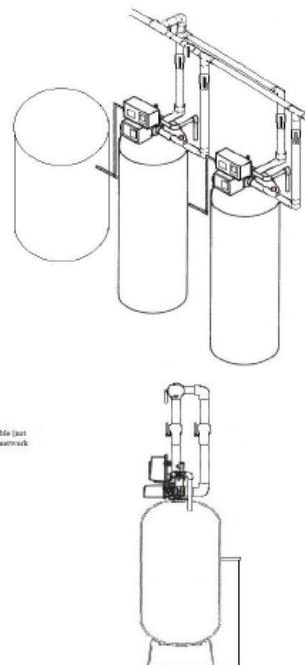
Single

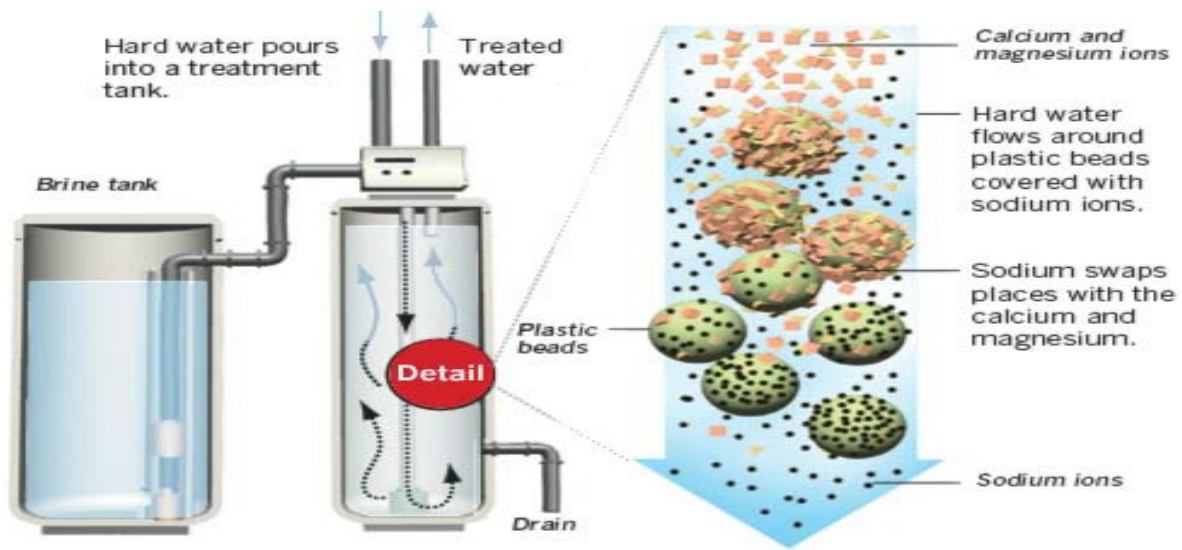


Twin Alternating



Duplex





Water softeners are specified by the following parameters:

- incoming water hardness level
- the amount of water used
- regeneration timing constraints
- allowance for hard water by-pass
- the physical space allowed for installation

With these parameters, there are many variations of control valve, mineral tank size and brine tank size. Here are some common examples of water softener configurations:

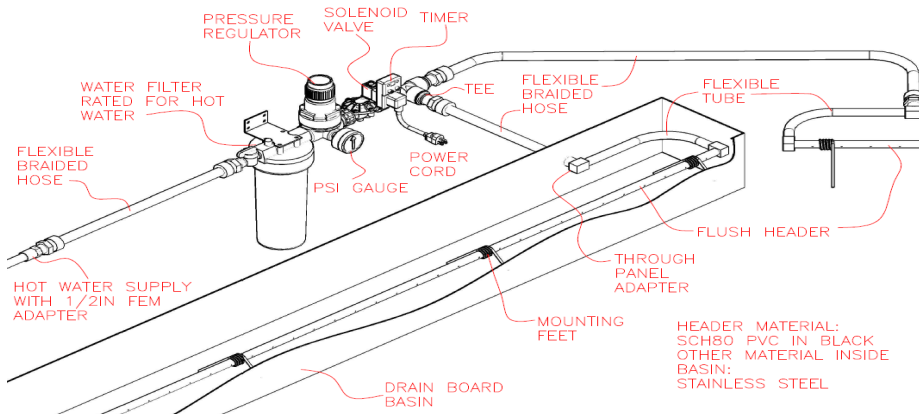
Piping Size	Description	Part #	Capacity (grains per day)	Service Flow (gpm)	Peak Flow (gpm)	Installation Dimensions (inches)	Mineral Tank (s) Dimensions (inches)	Brine Tank Dimensions (inches)
1"	Single	FS048	48,000	30	42	40 X 25 X 73	14 X 65	24 X 31
2"	Single	FS420	420,000	85	105	62 X 31 X 93	30 X 72	30 X 50
3"	Duplex	FS540	540,000	178	238	160 X 40 X 94	36 X 72	39 X 48

Drain Board Rinse Systems



Drain boards are always getting messy and it is labor intensive to clean them often enough. Food safety, sanitation protocols and foul smelling odors that concern your customers can all be remedied with a properly designed rinse system.

Adding a TriOBreeze activated oxygen sanitation system onto a drain board flush system can assist with fighting food-borne illness. TriOBreeze is effective Listeria, Salmonella, E. Coli, Norovirus, Campylobacter and other pathogens.



TriOBreeze™



Nationwide Service

Our comprehensive expertise allows us to service your produce misting, humidity control, water filtration or water purification equipment. Our friendly service team with Water Quality Association Certification backing is dedicated to helping you whenever you need us.

Corrigan Corporation provides service plans that let you specify service parameters in order to meet your exact service needs and budget requirements:

- Response time (as fast as 4 hours)
- Flexible service hours. We can work around your hours to minimize down time.
- Number of preventative maintenance visits per year
- Technical Support with direct access to the trained experts...no frustrating phone delays
- Live 24x7 Technical Support



Contact Information:

service@corriganmist.com
800.462.6478
847.263.5955



800.462.6478

Preventative Maintenance

Avoid disruption with proactive preventative maintenance by Corrigan Corporation. Preventative maintenance is performed by our trained service force. Regular preventive maintenance is proven to extend the life of any water using equipment.

Time and Materials

Do you prefer the flexibility and freedom of Time and Materials service? Then count on Corrigan Corporation service force for rapid response and quality work. We will perform the job using the correct parts for the job.

Installations

As the leading provider of produce misting, meat/seafood humidity, water filtration and water purification equipment in the perishable food industry, Corrigan Corporation performs installations from coast-to-coast.

Customer Training

Learning how to use your newly installed equipment is completed while the service technician is on-site. After the installation and on-site training, if you ever have a question please call our 24 hours service line at 1-800-462-6478.

Free Water Analysis

Water testing by one of our WQA certified technicians is the best way to customize a treatment that is right for you.



Member
**WATER QUALITY
ASSOCIATION**



800.462.6478

Title: PM Service Checklist		Issue Date: 12/27/17
Owner: Paul Jones	Procedure file number: SERV001	Revision: 2

PRODUCE MISTING WITH PUMPPAK

- Clean all mist bar, heads & nozzles
- Replace worn nozzles
- Change any incorrect nozzles
- Inspect mist bar mounting clamps
- Check time cycles
- Inspect solenoid valves
- Inspect entire system for water leaks repair as needed
- Inspect misting feed lines for proper configuration
- Inspect drain line for proper termination
- Check air charge in PumpPak tank
- Check tank pressure gauge
- Check pressure cut in & cut out on PumpPak pump
- Change sediment pre-filter
- Sanitize entire system

PRODUCE MISTING WITH RO

- Clean all mist bar, heads & nozzles
- Replace worn nozzles
- Change any incorrect nozzles
- Inspect mist bar mounting clamps
- Check time cycles
- Inspect solenoid valves
- Inspect entire system for water leaks repair as needed
- Inspect misting feed lines for proper configuration
- Inspect drain line for proper termination
- Test feed water TDS
- Test Product water TDS
- Test Product water GPH
- Test Drain water GPH
- Check tank pressure switch settings, adjust if needed
- Check low feed water lockout system (if applicable)
- Test membrane flush system
- Evaluate storage tank air charge
- Inspect pump performance
- Inspect water solenoid valves
- Tank sanitizing valves installed?
- Sanitize RO & storage tank
- Inspect drain line for proper termination

CENTRAL RO SYSTEM

- Test feed water TDS
- Test Product water TDS
- Test Product water GPH
- Test Drain water GPH
- Check tank pressure switch settings, adjust if needed
- Check low feed water lockout system (if applicable)
- Test membrane flush system
- Evaluate storage tank air charge
- Inspect pump performance
- Inspect water solenoid valves
- Tank sanitizing valves installed?
- Sanitize RO & storage tank
- Inspect drain line for proper termination

SERVICE CASE HUMIDITY SYSTEM

- Change sediment filter(s)
- Change KDF media filter(s)
- Change air filter(s)
- Inspect all water and air lines for leaks & wear
- Inspect water solenoid valve
- Inspect all controls and wiring
- Check air pressure
- Check water pressure and adjust if needed

VAPORDRY HUMIDIFICATION SYSTEM

- Change sediment filter(s)
- Change KDF media filter(s)
- Change filter(s) on compressed air source
- Inspect all water and air lines for leaks & wear
- Inspect water solenoid valve
- Inspect air solenoid valve
- Check air pressure and adjust if needed
- Check water pressure and adjust if needed
- Wipe down the external surface of the VaporDry box with a clean dry cloth
- Wipe down the internal areas of the white diffuser tube with clean cloth wetted with 70% isopropyl alcohol

GENERAL

- Check in and check out with store manager or PIC
- Systems and adjacent areas are clean
- Yellow service labels on each system
- Large Corrigan label on all large tanks
- Service log completed
- Filter change date label on all filter housings

Parts

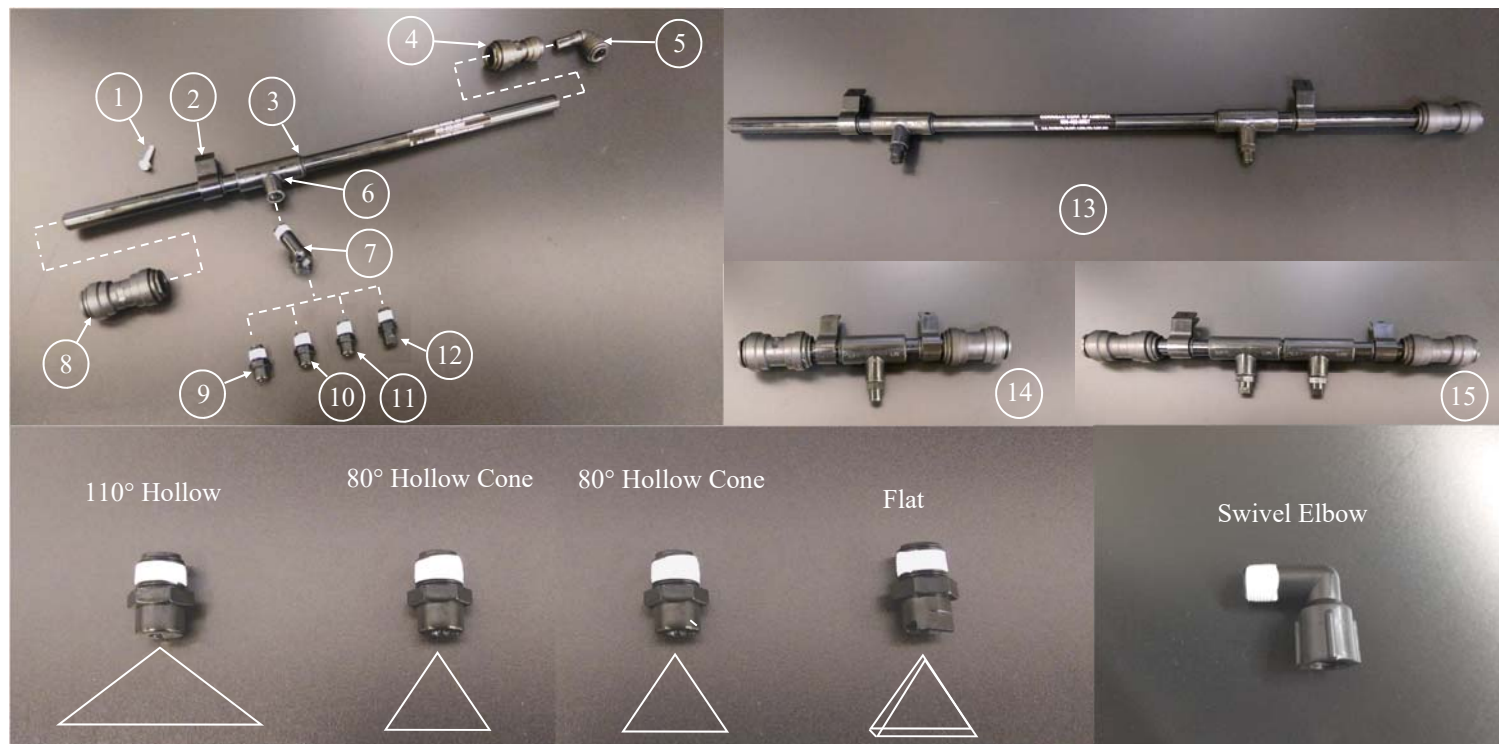
Corrigan Corporation stocks and supplies only the best quality proven parts. We inventory parts in our centrally located Illinois warehouse and have the ability to ship parts out daily.

The following pages show our products with parts that are commonly ordered. If there is a part you have a question about or can't find what you need, please call us at 1.800.462.6478 or email us at sales@corriganmist.com.



800.462.6478

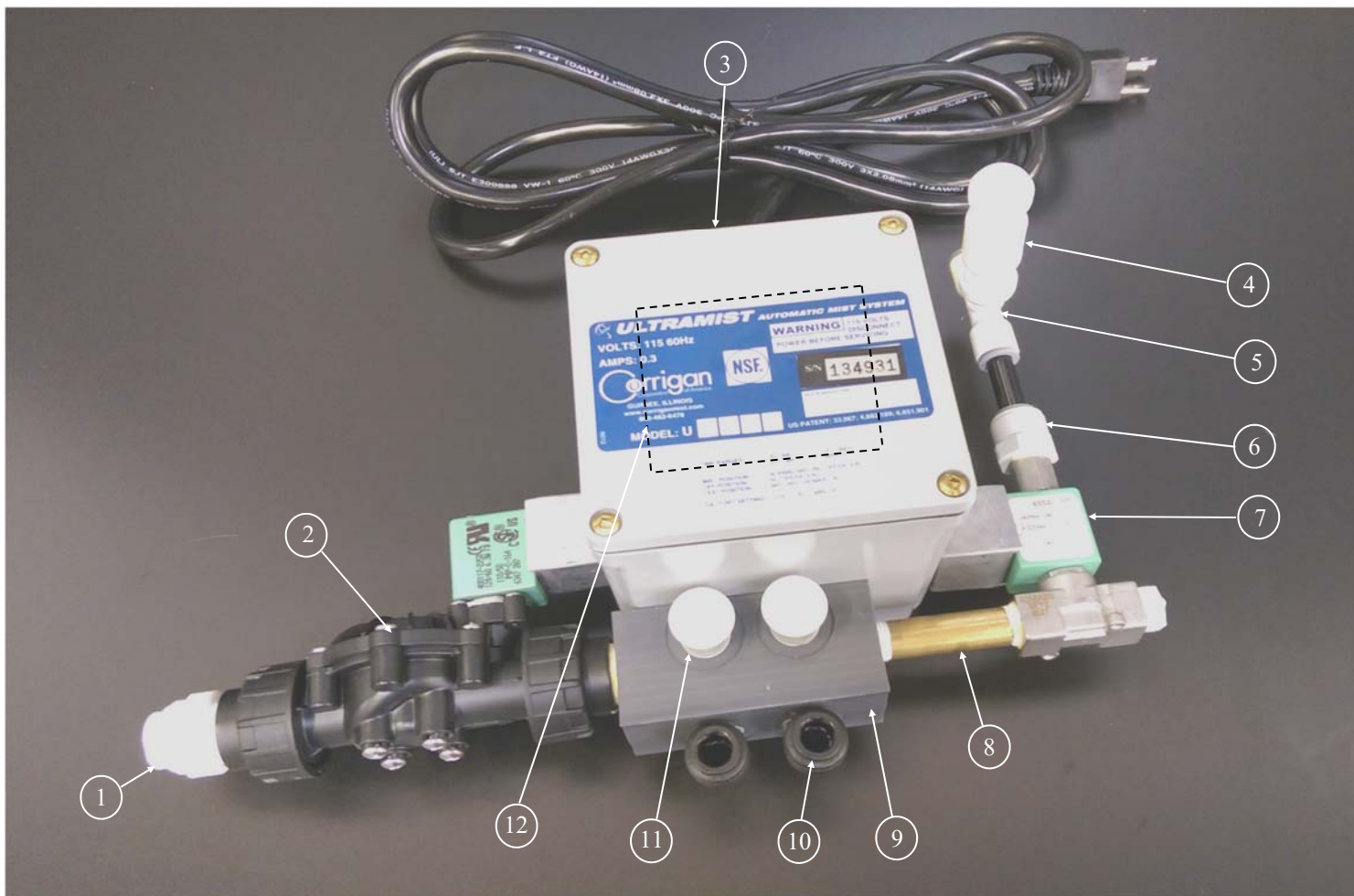
UltraMist™ Produce Misting System



	Description	Part # in Black	Part # in White
1	Mounting screw	HSS317B	HSS317B
2	Mounting clamp	H544I	H544J
3	Retainer ring	CH524R	CH524Q
4	1/2" X 3/8" end feed coupler	JGRUC1238B	JGRUC1238
5	3/8" stem 90° connector	JGSEC38B	JGSEC38
6	Molded mist head	1001	1002
7	Swivel elbow (optional)	PPSE18B	PPSE18
8	1/2" union connector	JGUC12B	JGUC12
9	110° hollow cone nozzle	CNT110B	CNT110W
10	80° hollow cone nozzle– regular flow	CNT80B	CNT80W
11	80° hollow cone nozzle - low flow	CNT80BLF	CNT80WLF
12	Flat fan nozzle	CNT65FB	CNT65FW
13	Complete 2 foot section	CUSB	CUSW
14	Single wedge section	CUWB1	CUW1
15	Wedge section	CUWB	CUW



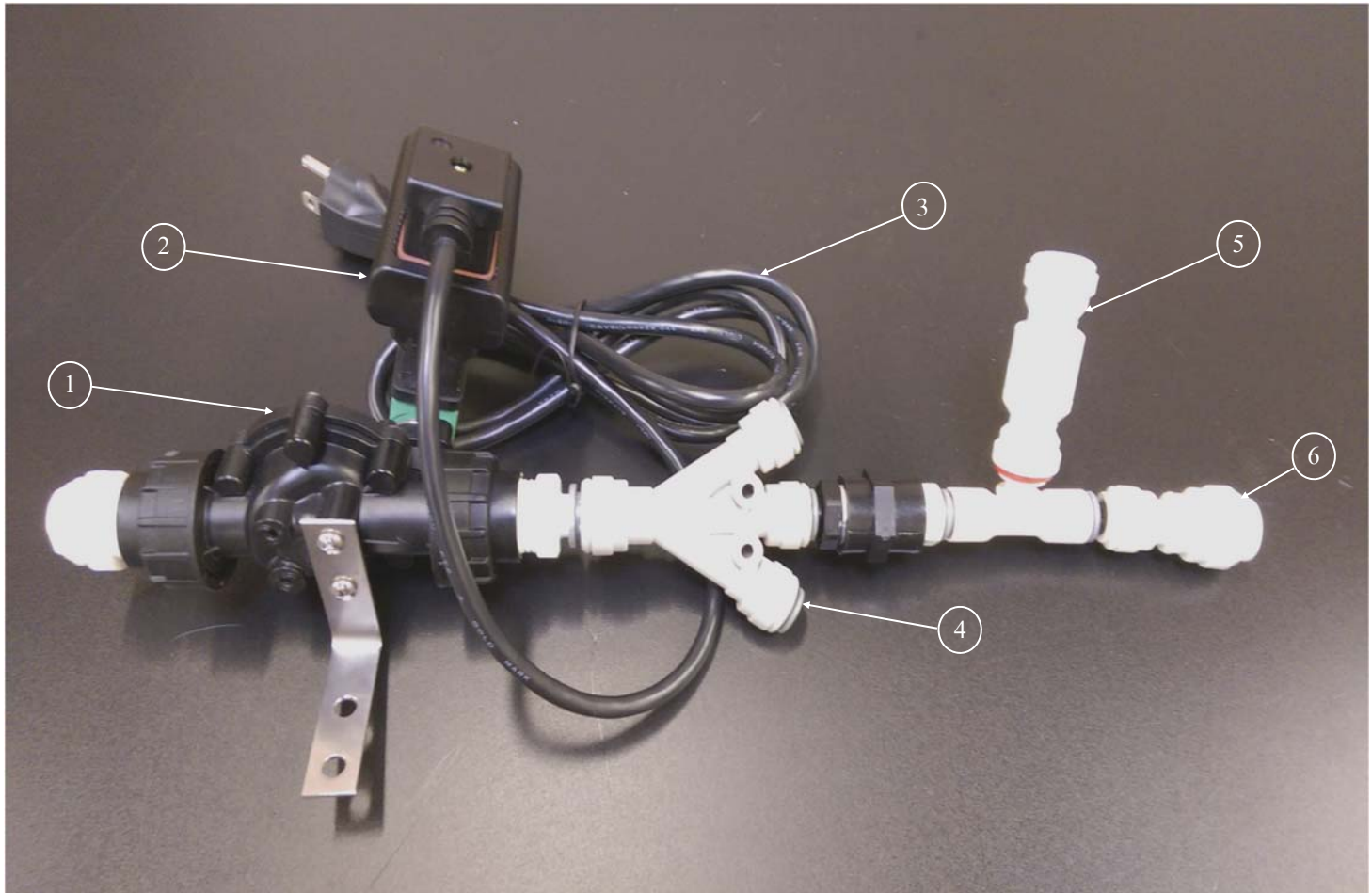
Misting Control Panel ACP2N and ACP4N



	Description	Part #
1	1/2" X 1/2" male connector	JGMC12
2	1/2" normally closed solenoid	SVNCP12120
3	On/off switch	E206A
4	Vacuum break	JGCV38
5	3/8" union tee	JGUTP38
6	3/8" X 1/4" male connector	JGMC3814
7	1/8" normally open solenoid	SVNO18120NSF
8	1/4" X 2 1/2" nipple	PBN14212
9	Manifold	CP
10	3/8" stem elbow connector	JGSEC38
11	3/8" plug	JGTP38
12	Timer (not shown; inside box)	T202D



Misting Control Panel LE2



	Description	Part #
1	1/2" NC solenoid valve	SVLE
2	Repeat cycle timer	TLE
3	Timer cord	TLECS
4	1/2" X 3/8" X 3/8" X 3/8" 3 way divider	JGTWC
5	3/8" check valve	JGCV38
6	1/2" X 3/8" reducing union connector	JGRUC1238

Model CSS2A Audio Warning Controller with Remote Solenoid and Que Audio Player



	Description	Part #
1	24 volt relay	ER204
2	On/off toggle switch	E206
3	24V transformer	ET15348
4	Timer module - OFF time	T202D
5	Terminal block	E2181
6	Timer module - ON time	T202G1
7	1/2" male tube adapter	JGMC12
8	1/2" normally closed solenoid	SVNCP1224
9	3/8" stem plug	JGTP38
10	Manifold block	CP
11	3/8" stem elbow	JGSEC38
12	1/4" X 2 1/2" nipple	PBN14212
13	1/8" normally open solenoid valve	SVNO1824NSF
14	3/8" X 1/4" male connector	JGMC3814
15	3/8" union tee	JGUTP38
16	Vacuum break	JGCV38
17	Que audio player with power transformer	ECSSCD10
18	Que flash card	ECSSCF
19	2 speaker set	ESPKR
A	Sound System Controller	CSS5A
B	Remote Controller	SR2N



PumpPak Filtration System



	Description	Part #
1	3/8" ball valve	JGBV38
2	Filter bracket	FB38
3	3/8" male elbow	JGME38
4	3/8" OD tubing	TB38
5	Manifold	WPM
6	100 PSI pressure gauge	WPGCBM100NSF
7	Accumulator 2 gallon tank	WT3
8	Pump	PSF115U
9	3/8" stem elbow connector	JGSEC38
10	Filter housing	FH3810
11	1 micron filter	FCRB110
A	Accumulator tank, manifold, pressure gauge	WT3A

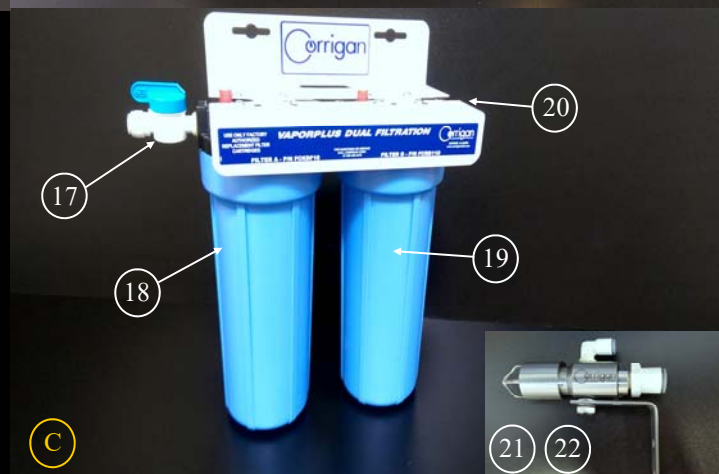
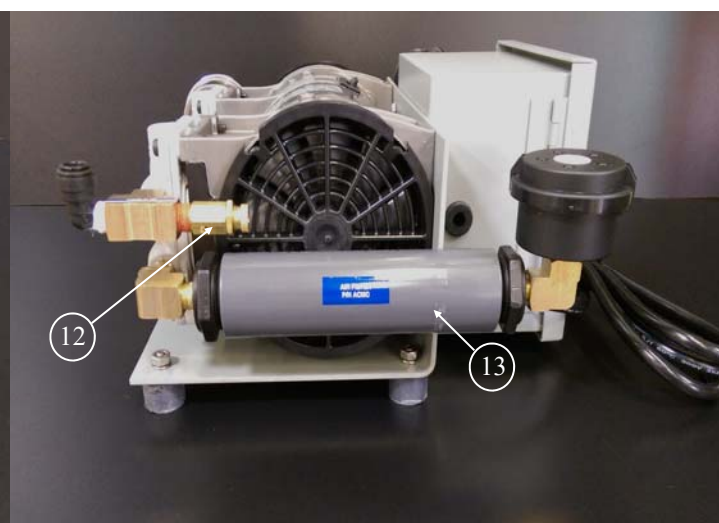
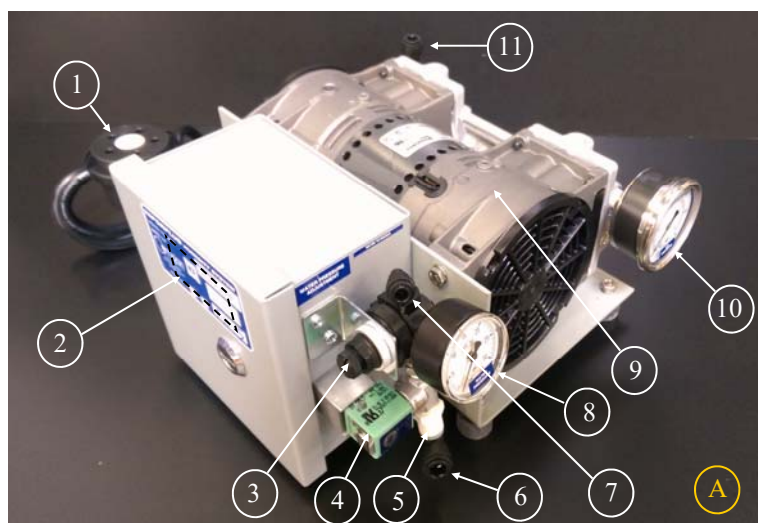


HydraFog™ Humidification System



	Description	Part #
1	1/4HP electric motor	HF2001
2	Pump	HF2002
3	0-1000 PSI gauge	HF2011
4	10" KDF media cartridge	FCKDF10
5	10" 0.2 micron filter	FCP045
A	Motor/Pump Assembly	HF2000
B	PLC controller assembly	HF3000
C	HMI touchscreen assembly	HF4000
D	Dual filter with cartridge	HF5000

VaporPlus™ Humidification System



	Description	Part #
1	Air filter replacement cartridge	ACAF3
2	Transformer (not shown; inside box)	ET15343
3	Water pressure regulator	WPR362
4	Water solenoid valve	SVNC18120L
5	3/8" X 1/8" male adaptor	JGMC3818VP
6	3/8" stem elbow	JGSEC38
7	1/4" male elbow adapter	JGME14
8	Water pressure gauge	WPGCBM30NSF
9	Air compressor	AC
10	Air pressure gauge	WPGCBM60
11	3/8" X 1/4" male elbow adapter	JGME3814
12	Air pressure relief valve	ACPRV
13	Air muffler filter (QTY 4 are needed. Part# ACMC is 1 unit)	ACMC

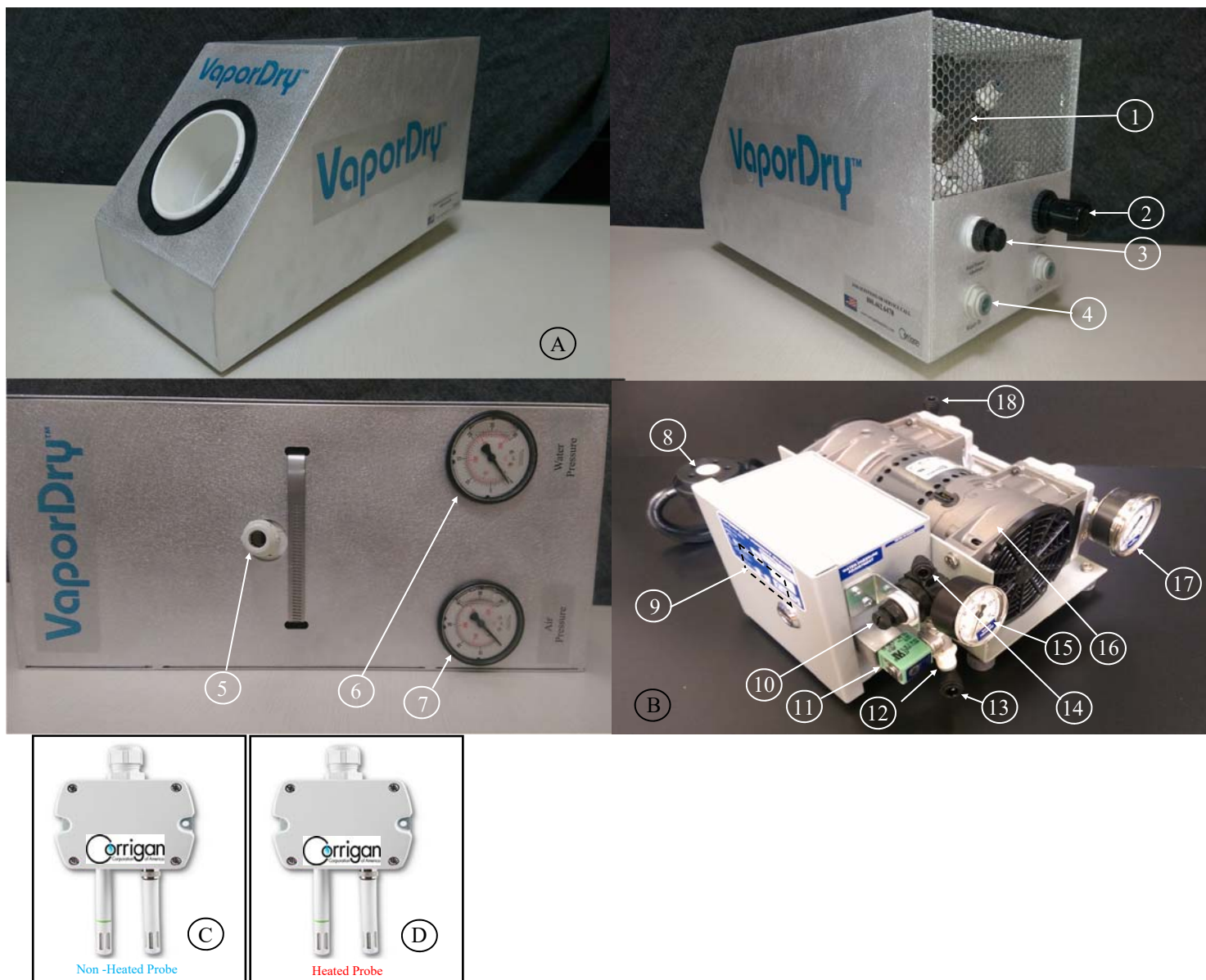
	Description	Part #
14	Timing module (not shown)*	T202VR
15	ON/OFF switch	E205
16	Time adjustment assembly	T202W
17	3/8" ball valve	JGBV38
18	10" KDF media cartridge	FCKDF10
19	10" sediment cartridge	FCRB110
20	3/8" male adapter	JGMC38
21	Nozzle for VP and VPSL	VPNZL1
22	Nozzle for VP2 and VPSL2	VPNZL2
A	Compressor/control assembly	VPCU
B	VaporPlus™ timer control	VPSCT
C	Dual filter with cartridges	600DF

Note: T202VR = T202V + T202W
(timer and potentiometer must be sold together)



800.462.6478

VaporDry™ Humidification System



	Description	Part #
1	Nozzle assembly	VPNZL1
2	Air pressure regulator	APR001
3	Water pressure regulator	WPR362
4	3/8" panel mount fitting	JGPM38
5	1/2" fitting and washer	D420 and D430
6	30 PSI water pressure gauge	WPGPM15
7	60 PSI air pressure gauge	WPGPM60
8	Air filter replacement cartridge	ACAF3
9	Transformer (not shown; inside box)	ET15343
10	Water pressure regulator	WPR362
11	Water solenoid valve	SVNC18120L

	Description	Part #
12	3/8" X 1/8" male adaptor	JGMC3818VP
13	3/8" stem elbow	JGSEC38
14	1/4" male elbow adapter	JGME14
15	Water pressure gauge	WPGCBM30NSF
16	Air compressor	AC
17	Air pressure gauge	WPGCBM60
18	3/8" X 1/4" male elbow adapter	JGME3814
A	VaporDry Box assembly	D410 or D411
B	Compressor/control assembly	D710
C	Humidity sensor 0-80%RH	D120
D	Humidity sensor 0-100%RH	D110



800.462.6478

HyperSoft™ CRO300 System



	Pre-Filter Description	Part #
1	1/2" ball valve	JGBV12
2	1/2" x 1/2" male tube stem	JGMT12
3	100 PSI pressure gauge	WPGLM100
4	1/2" x 20" filter housing	FH1220
5	20" sediment cartridge	FCRB520
6	20" carbon block cartridge	FCCB20
A	Complete pre-filter assembly	600DF20
	RO Unit Description	Part #
7	2.5" x 21" membrane housing	FMH2521
8	2.5" x 21" RO membrane	FMRO2521
9	Housing/fittings assy.	FMH2521R
10	Motor	HSM
11	125 GPH pump	HSP125
12	Membrane flush solenoid	SVNC18120
13	Inlet water solenoid	SVNC14120
14	1/2" x 3/8" union tee reducer	JGUTRC1238
15	1/2" x 3/8" stem reducer	JGTRC1238
16	3/8" x 1/4" stem reducer	JGTRC3814

	RO Unit Description	Part #
17	Indicator light	MIL
18	Low pressure reset switch	ES206B
19	3/8" x 1/4" male adaptor	JGMC3814
20	Flow restrictor plate	WFC34
21	Cup strainer for orifice plate	WFCS
22	200 PSI pressure gauge	WPGCBM200
23	Balanced pressure regulator	WFCV
24	Tank pressure switch	WPS680
25	Clamp for housing	*
26	3/8" nylon plug	NYP38
27	Cap for housing with o-rings	*
28	3/8" male elbow	JGME38
29	3/8" stem elbow	JGSEC38
30	3/8" union tee	JGUTC38
31	3/8" male connector	JGMC38
32	3/8" bend tube clip	JGFBC38
33	3/8" male connector	JGMC38
	Low PSI switch (not shown)	PSL (internal)
	Low PSI switch (not shown)	PSL01 (external)

	RO Unit Description	Part #
	120V relay (not shown)	ER202
	120V ice cube relay (not shown)	ER204
	Flush timer (not shown)	T23
	Storage Tank Description	Part#
34	9 gallon water tank	WT9
35	100 PSI pressure gauge	WPGCBM100
36	Tank manifold block	WPM
37	1/2" stem elbow	JGSEC12

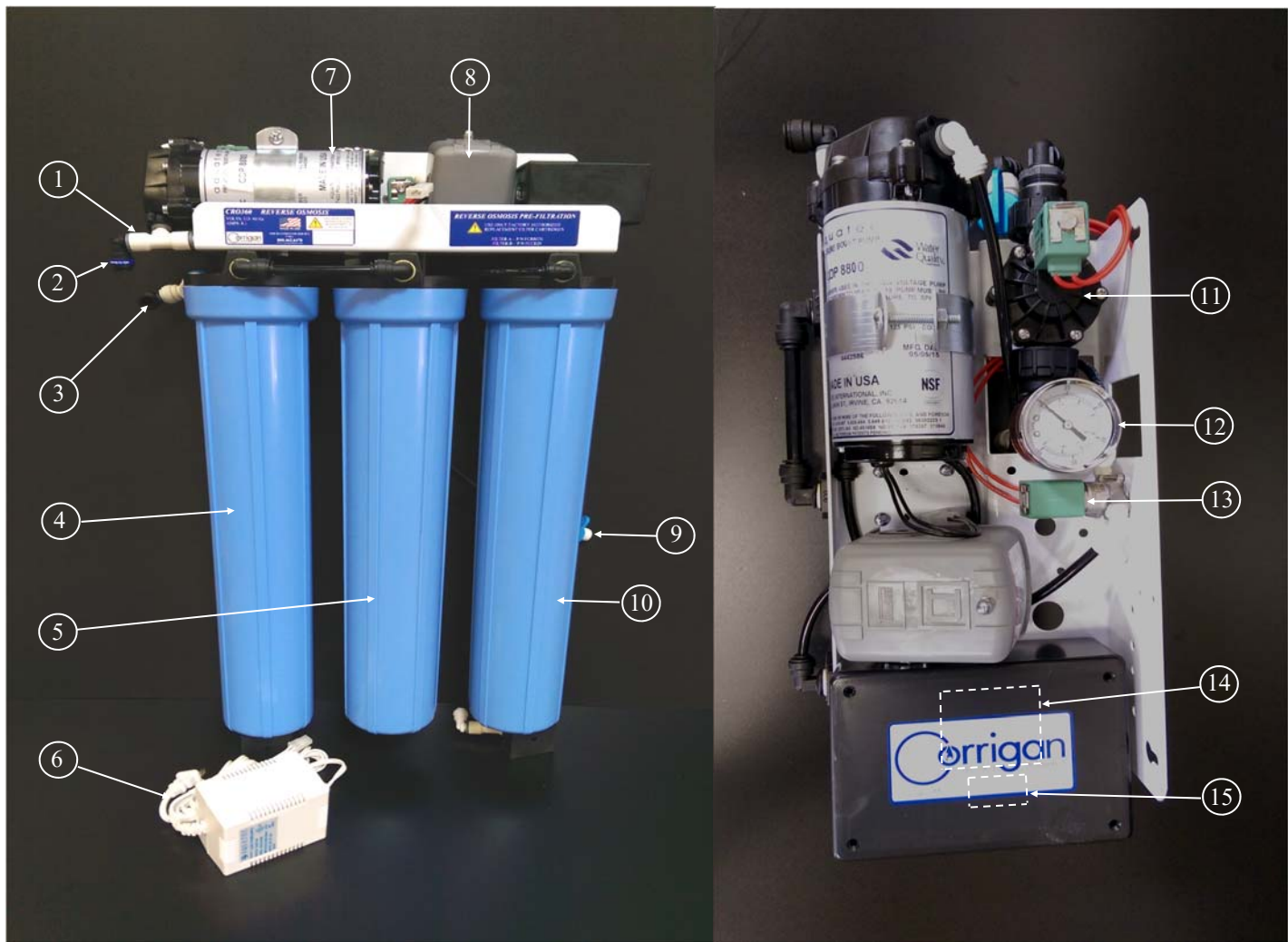
* Part is subcomponent of the housing assy.

Order complete housing assy. - FMH2521R



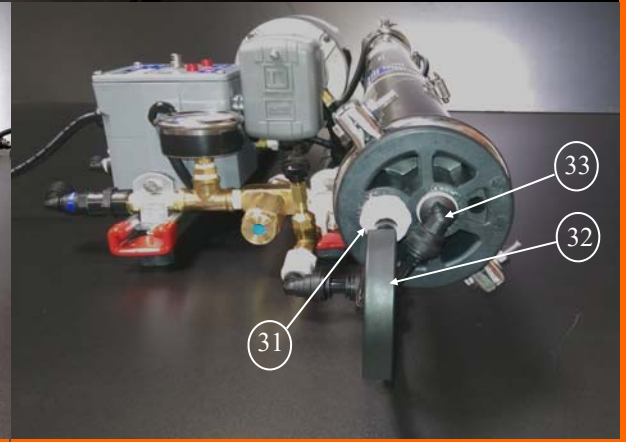
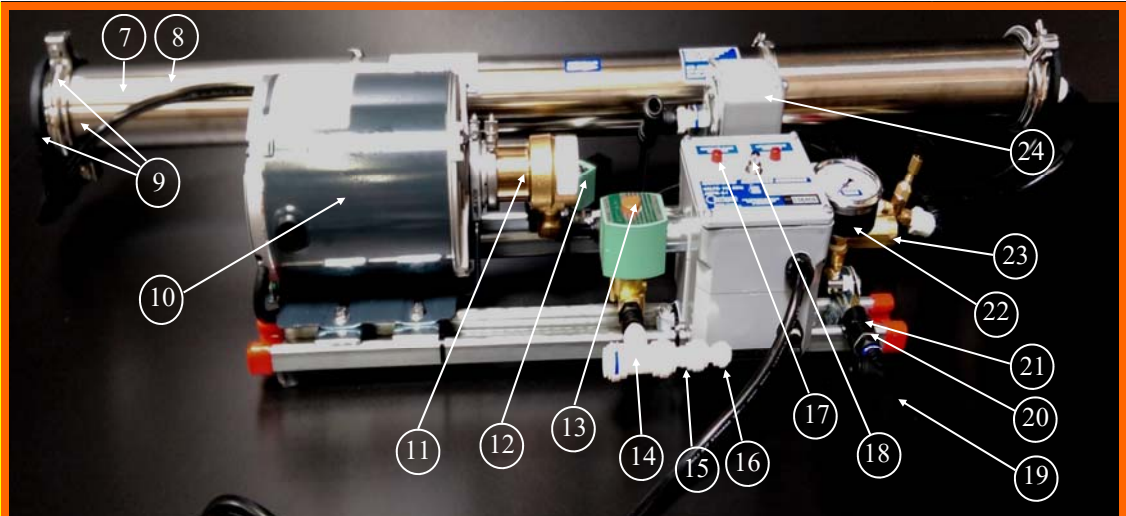
800.462.6478

HyperSoft™ CRO360 System



	Description	Part #
1	3/8" stem tee	JGUTP38
2	3/8" stem elbow connector	JGSEC38
3	3/8" stem elbow connector	JGSEC38
4	20" 5 micron filter	FCRB520
5	20" carbon block filter	FCCB20
6	24V transformer	ET215
7	Water pump	PHSHF80
8	Tank pressure switch	WPS580
9	3/8" ball valve	JGBV38
10	RO membrane	FMMER
11	1/2" solenoid valve	SVNCP1224
12	100 PSI pressure gauge	WPGCBM100
13	1/8" solenoid valve	SVNC1824
14	Flush timer (not shown; inside box)	T23
15	24V relay (not shown; inside box)	ER203A

HyperSoft™ CRO850 System



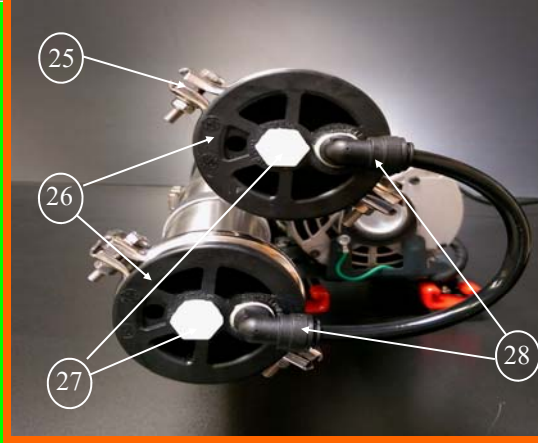
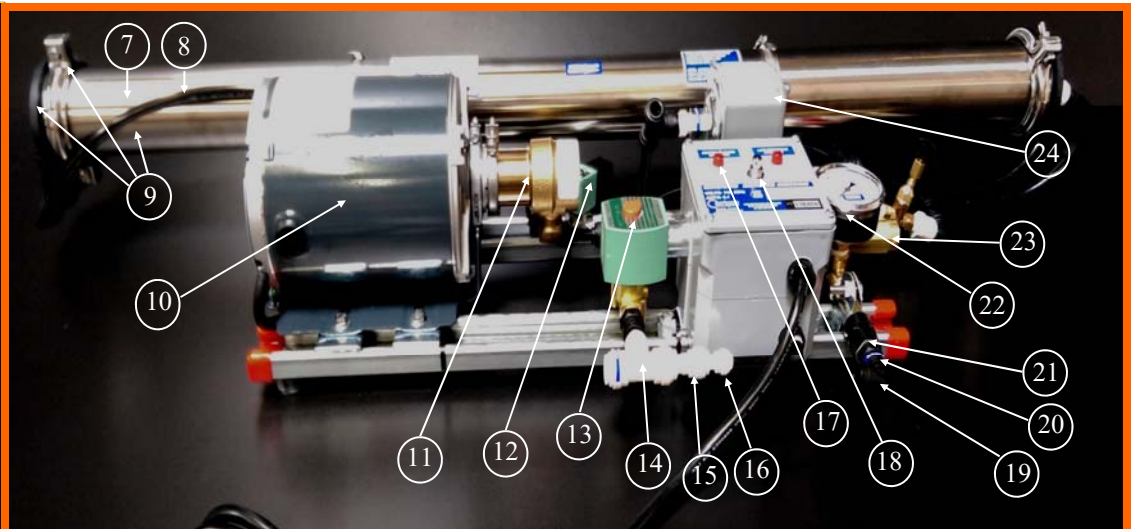
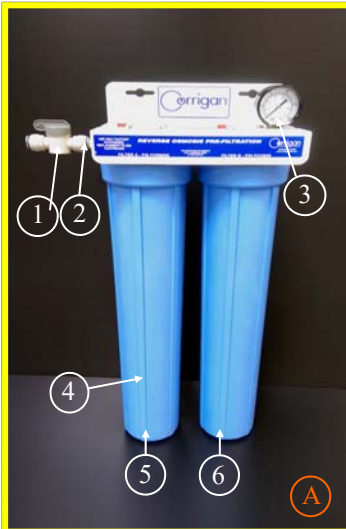
	Pre-Filter Description	Part #
1	1/2" ball valve	JGBV12
2	1/2" X 1/2" male tube stem	JGMT12
3	100 PSI pressure gauge	WPGLM100
4	1/2" X 20" filter housing	FH1220
5	20" sediment cartridge	FCRB520
6	20" carbon block cartridge	FCCB20
A	Complete pre-filter assembly	600DF20
	RO Unit Description	Part #
7	2.5" X 40" membrane housing	FMH2540
8	2.5" X 40" RO membrane	FMRO2540
9	Housing/fittings assy.	FMH2540R
10	Motor	HSM
11	140 GPH pump	HSP140
12	Membrane flush solenoid	SVNC18120
13	Inlet water solenoid	SVNC14120
14	1/2" X 3/8" union tee reducer	JGUTRC1238
15	1/2" X 3/8" stem reducer	JGTRC1238
16	3/8" X 1/4" stem reducer	JGTRC3814

	RO Unit Description	Part #
17	Indicator light	MIL
18	Low pressure reset switch	ES206B
19	3/8" X 1/4" male adaptor	JGMC3814
20	Flow restrictor plate	WFC45
21	Cup strainer for orifice plate	WFCS
22	200 PSI pressure gauge	WPGCBM200
23	Balanced pressure regulator	WFCV
24	Tank pressure switch	WPS580
25	Clamp for housing	*
26	3/8" nylon plug	NYP38
27	Cap for housing with o-rings	*
28	3/8" male elbow	JGME38
29	3/8" stem elbow	JGSEC38
30	3/8" union tee	JGUTC38
31	3/8" male connector	JGMC38
32	3/8" bend tube clip	JGFBC38
33	3/8" male connector	JGMC38
	Low PSI switch (not shown)	PSL
	Low PSI switch (not shown)	PSL01

	RO Unit Description	Part #
	120V relay (not shown)	ER202
	120V ice cube relay (not shown)	ER204
	Flush timer (not shown)	T23
	Storage Tank Description	Part#
34	9 gallon water tank	WT9
35	100 PSI pressure gauge	WPGCBM100
36	Tank manifold block	WPM
37	1/2" stem elbow	JGSEC12

* Part is subcomponent of the housing assy.
Order complete housing assy. - FMH2540R

HyperSoft™ CRO1700 System



	Pre-Filter Description	Part #
1	1/2" inch ball valve	JGBV12
2	1/2" X 1/2" male tube stem	JGMT12
3	100 PSI pressure gauge	WPGLM100
4	1/2" X 20" filter housing	FH1220
5	20" sediment cartridge	FCRB520
6	20" carbon block cartridge	FCCB20
A	Complete pre-filter assembly	600DF20
	RO Unit Description	Part #
7	2.5" X 40" membrane housing	FMH2540
8	2.5" X 40" RO membrane	FMRO2540
9	Housing/fittings assy.	FMH2540R
10	Motor	HSM
11	165 GPH pump	HSP165
12	Membrane flush solenoid	SVNC18120
13	Inlet water solenoid	SVNC14120
14	1/2" X 3/8" union tee reducer	JGUTRC1238
15	1/2" X 3/8" stem reducer	JGTRC1238
16	3/8" X 1/4" stem reducer	JGTRC3814

	RO Unit Description	Part #
17	Indicator light	MIL
18	Low pressure reset switch	ES206B
19	3/8" X 1/4" male adaptor	JGMC3814
20	Flow restrictor plate	WFC63
21	Cup strainer for orifice plate	WFCS
22	200 PSI pressure gauge	WPGCBM200
23	Balanced pressure regulator	WFCV
24	Tank pressure switch	WPS580
25	Clamp for housing	*
26	Cap for housing with o-rings	*
27	3/8" nylon plug	NYP38
28	3/8" male elbow	JGME38
29	3/8" male connector	JGMC38
30	3/8" male elbow	JGME38
31	3/8" stem elbow	JGSEC38
32	3/8" union tee	JGUTC38
	Low PSI switch (not shown)	PSL(internal)
	Low PSI switch (not shown)	PSL01(external)
	120V relay (not shown)	ER202













	RO Unit Description	Part #
	120V ice cube relay (not shown)	ER204
	Flush timer (not shown)	T23
	Storage Tank Description	Part#
33	9 gallon water tank	WT9
34	100 PSI pressure gauge	WPGCBM100
35	Tank manifold block	WPM
36	1/2" stem elbow	JGSEC12

* Part is subcomponent of the housing assy.
Order complete housing assy. - FMH2540R



800.462.6478

Quick Disconnect Fittings

VALVES	Description	Part #	FEMALE ADAPTORS	Description	Part #
	TUBE x TUBE				
	1/4 x 1/4	JBV14		3/8 x 1/4 NPTF	JGFC3814
	3/8 x 3/8	JGBV38GG			
	1/2 x 1/2	JGBV12			
	TUBE x THREAD				
	3/8 x 3/8 NPT	JGBV38			
TEES	Description	Part #	STEM ELBOWS	Description	Part #
	1/4 x 1/4 x 1/4	JGUTC14		1/4 x 1/4 STEM	JGSEC14
	3/8 x 3/8 x 3/8	JGUTC38		1/4 x 3/8 STEM	JGSEC3814
	1/2 x 1/2 x 1/2	JGUTC12		3/8 x 3/8 STEM	JGSEC38
	1/2 x 1/2 x 3/8	JGUTRC1238		1/2 x 1/2 STEM	JGSEC12
UNION ELBOWS	Description	Part #	MALE ADAPTORS	Description	Part #
	1/4 x 1/4	JGULC14		1/4 x 1/8 NPT	JGMC1418
	3/8 x 3/8	JGULC38		1/4 x 1/4 NPT	JGMC14
	3/8 x 1/4	JGRLC3814		3/8 x 1/8 NPT	JGMC3818
	1/2 x 1/2	JGULC12		3/8 x 1/4 NPT	JGMC3814
				3/8 x 3/8 NPT	JGMC38
				3/8 x 1/2 NPT	JGMC3812
				1/2 x 3/8 NPT	JGMC1238
				1/2 x 1/2 NPT	JGMC12
STEM PLUGS	Description	Part #	MALE ELBOWS	Description	Part #
	1/4	JGTP14		1/4 x 1/8 NPT	JGME1418
	3/8	JGTP38		1/4 x 1/4 NPT	JGME14
	1/2	JGTP12		1/4 x 3/8 NPT	JGME1438
				3/8 x 1/4 NPT	JGME3814
				3/8 X 3/8 NPT	JGME38
STEM APAPTORS	Description	Part #	STEM TEES	Description	Part #
	1/4 x 1/4 NPT	JGMT14		3/8 x 3/8 x 3/8	JGUTP38
	3/8 x 1/4 NPT	JGMT3814			
	3/8 x 3/8 NPT	JGMT38			
	1/2 x 3/8 NPT	JGMT1238			
STEM REDUCERS	Description	Part #	UNIONS	Description	Part #
	3/8 x 1/2 STEM	JGTRC1238		1/4 x 1/4	JGUC14
	1/4 x 3/8 STEM	JGTRC3814		3/8 x 3/8	JGUC38
				3/8 x 1/4	JGRUC3814
				1/2 x 1/2	JGUC12
				1/2 x 3/8	JGRUC1238

Warranty Statement

Corrigan Corporation of America warrants each system, manufactured and sold by them to be free from defects in material and workmanship for a period of two years from the time of shipment (first year covers parts and labor, second year covers parts only). Produce misting solenoids are warranted for three years. Produce misting timers are warranted for ten years. UltraMist™ mist bar and nozzle shut off are covered for case life, not to break, crack or leak at connectors. Reverse osmosis membranes are warranted for one year provided proper filter and preventative maintenance service has been executed and proper feed-water pre-treatment has been in place from time of installation.

Coverage is limited to properly installed and maintained equipment. In addition, these guarantees are dependent upon installation of appropriate Corrigan pre-filtration and factory authorized replacement filter cartridges. Warranty does not cover service items such as filters and damage due to misuse. This warranty does not obligate Corrigan Corporation of America to bear the cost of labor after initial twelve-month period or freight charges in connection with the replacement of defective parts, nor shall it apply to any product upon which repairs or alterations have been made, unless authorized by the manufacturer or his authorized agent. Corrigan Corporation shall in no event be liable for consequential damages or contingent liabilities arising out of the failure of any product, its power unit or their accessories to operate properly. No express, implied or statutory warranty other than the herein set forth is made or authorized to be made by the manufacturer. Failure to notify manufacturer prior to any repair work performed within the warranty period may void warranty.

All warranty inquiries should be directed to the manufacturer at:

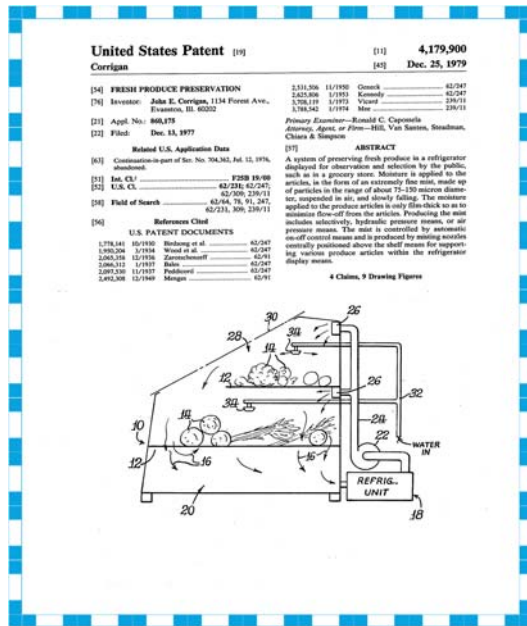
Corrigan Corporation of America
104 Ambrogio Drive
Gurnee, IL 60031
800.462.6478



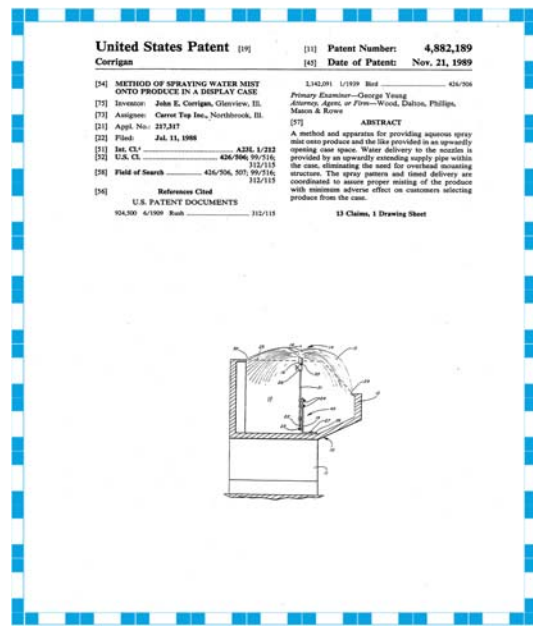
800.462.6478

Intellectual Property

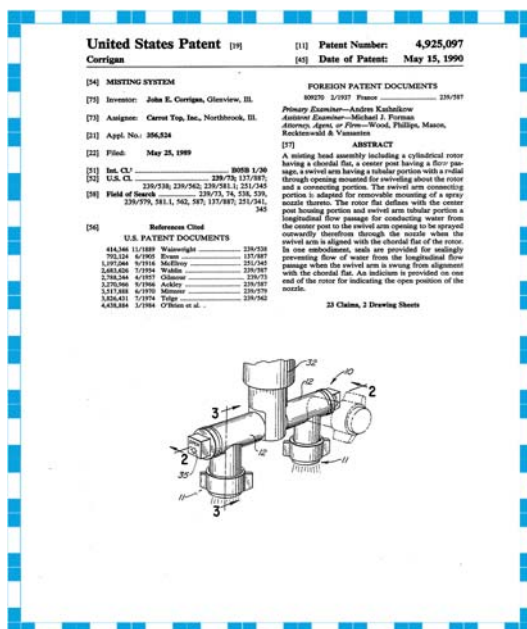
Corrigan Corporation invented produce misting and has remained the industry technology leader through consistent, well-engineered design improvements. Below are a few of the patents granted to Corrigan Corporation that progressed perishable produce preservation.



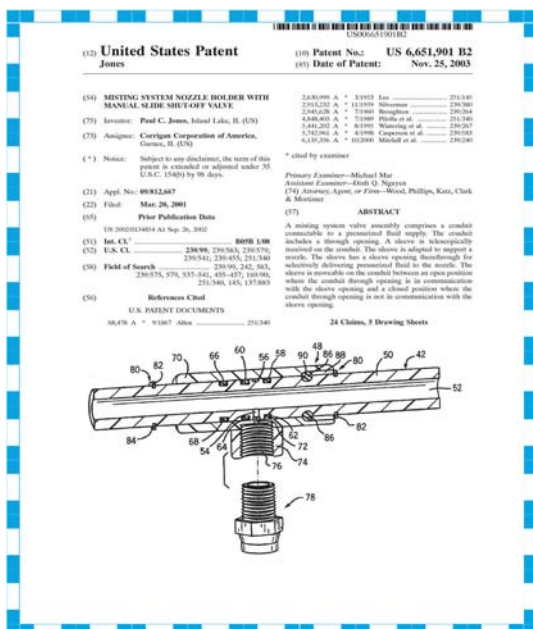
The original patent on produce misting dated 1979.



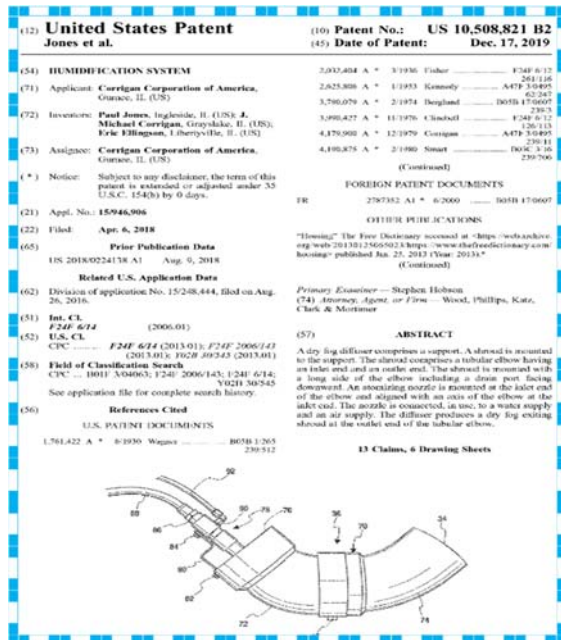
A method patent for produce misting.



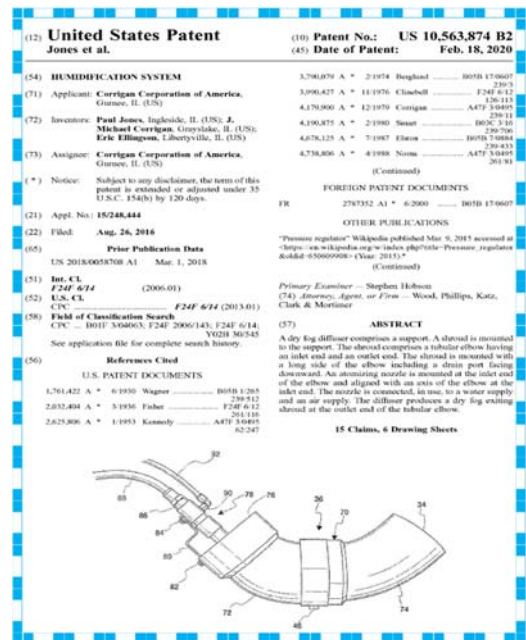
The original misting head patent which set the standard.



The market leading UltraMist™ head patent.



VaporDry humidification system patent on diffuser, water supply, and compressed air.



VaporDry humidification system patent on diffuser assembly.

White Papers and Case Studies

Microflora Changes in Misted and Non-Misted Broccoli at Refrigerated Storage Temperatures, Faridah Mohd-Som, L. Art Spomer, Scott E. Martin and Shelly J. Schmidt

Misting Affects Market Quality and Enzyme Activity of Broccoli During Retail Storage, M.M. Barth, A.K. Perry, S.J. Schmidt, and B.P. Klein

Misting Effects on Ascorbic Acid Retention in Broccoli During Cabinet Display, M.M. Barth, A.K. Perry, S.J. Schmidt and B.P. Klein

Grocery Humidity System Analysis and Redesign, Department of Industrial and Enterprise Systems, University of Illinois, M.G. Traverso, Z. D. Alexander, B. Aggen

Drop Size Characterization and Analysis of Proprietary Air Atomizing Nozzles, P. Bramsen, Adel A. Alkhatib, K. Proano

Application of Ozone for Enhancing the Microbiological Safety and Quality of Foods: A Review, Department of Food Science and Technology, The Ohio State University, Jin-Gab Kim, Ahmed E. Yousef and Sandhya Dave



WARNING

Some products in this catalog can expose you to chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm.

For more information, go to www.P65Warnings.ca.gov

Corrigan Corporation's manufacturing facility is located thirty-five miles north of Chicago, IL. We are centrally located in the United States with easy access to five interstate highways and three major airports. This strategic location provides for cost efficient material shipping lines, a well-educated work force, and a central base for our Service Group.

Corrigan also operates a North Carolina office to properly service a key Southeast geographical area.



Corrigan Corporation of America
104 Ambrogio Drive
Gurnee, IL 60031
800.462.6478

sales@corriganmist.com
service@corriganmist.com



800.462.6478

Designing and
manufacturing
reliable solutions
to improve
customers' profits
for over 40 years.



Ultramist™

VaporPlus™

VaporDry™

HyperSoft™

TriBreeze™

Hydrafog™

Que Audio Marketing™



Worldwide Sales / Nationwide Service

Corrigan Corporation of America • 104 Ambrogio Drive, Gurnee, IL 60031 • Ph: 800-462-MIST (6478)
Fax: 847-263-5944 • www.corriganhumidity.com • www.corriganmist.com • Email: sales@corriganmist.com

