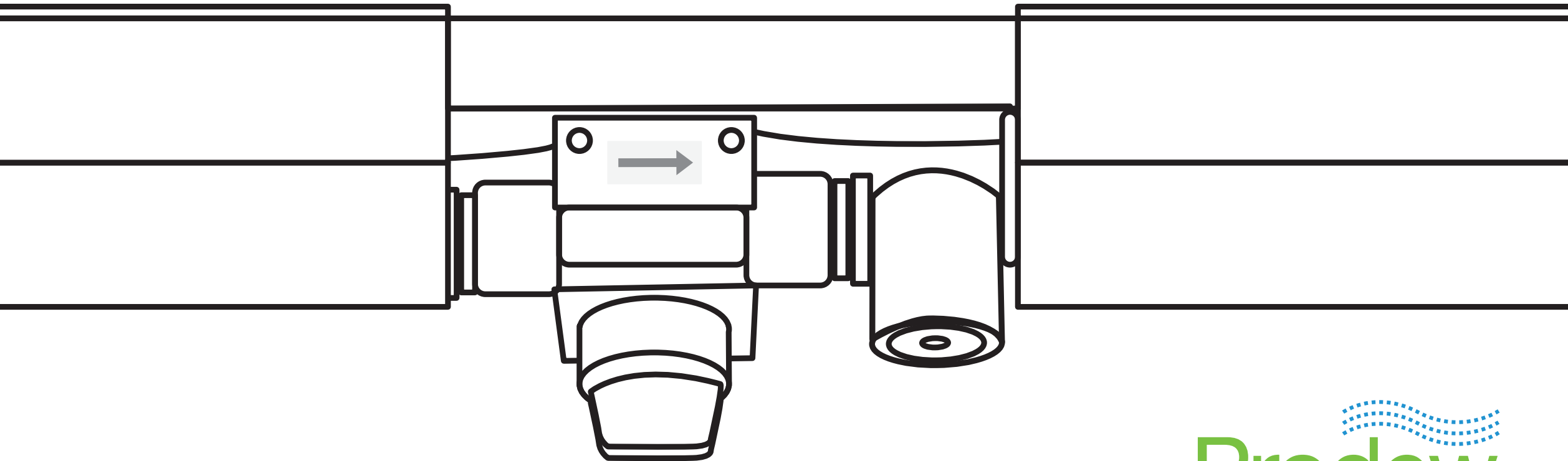


FogMist™ Track

Installation Manual for Produce Canopy





www.facebook.com/Prodew.Inc


Table of Contents

Package Contents	5
Utility Requirements	6
System Layout	7
Air Compressor Kit Diagram	8-9
FogMist™ Track Breakdown	10
System Installation	11 - 15
Start-Up Procedures	16 - 19
Timer Settings	20
System Warranty	21

Having trouble understanding our instructions?

Contact our customer service department with your questions.

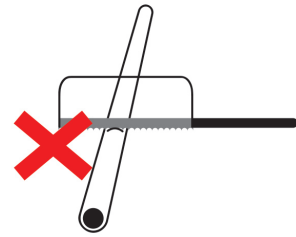
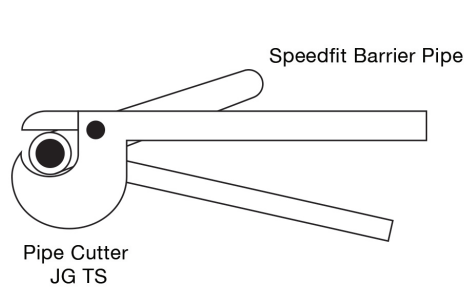
 sales@prodew.com

 770.420.3060 | 866.677.6339

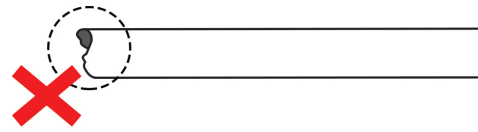
Quick Connect Fitting Assembly

1 Prepare the connection

Cut the pipe square with a pipe cutter ensuring it is free of score marks. When using speedfit barrier pipe, cut along an insertion mark. For soft or thin walled plastic pipe we recommend the use of a tube insert or pipe insert.



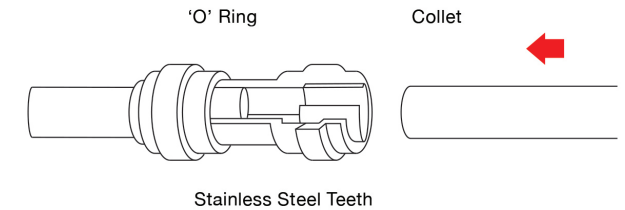
Note: Do NOT use a hacksaw.



Note: To avoid damage to the O-ring, make sure burrs and sharp edges are removed.

With the fitting clean and undamaged and the pipe cut square, you are now ready to make the connection.

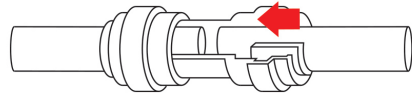
Do not insert fingers into the fitting as the stainless steel teeth may cause injury.



2 Assemble the Connection

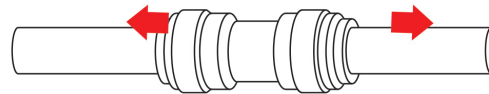
Connecting standard Quick-Connect fittings.

Push up to pipe stop.

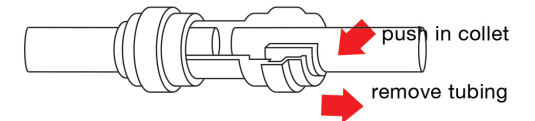


Push the tubing into the fitting, to the tubing stop. The collet (gripper) has stainless teeth which hold the tubing firmly in position whilst the 'O' ring provides a permanent leak-proof seal. Pull to check if it is secure.

Disconnecting standard Quick-Connect fittings.



Pull on the tubing to check it is secure. It is a good practice to test the system prior to leaving site and/or before use.



Ensure system is depressurized before removing fittings. Push in the collet against the face of the fitting. With the collet held in this position the pipe can be removed. The fitting can then be reused.

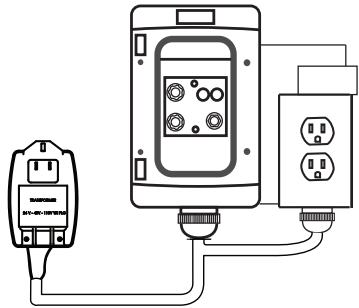
3 Verify the connection

It is recommended that you pressure test the complete installation before use.

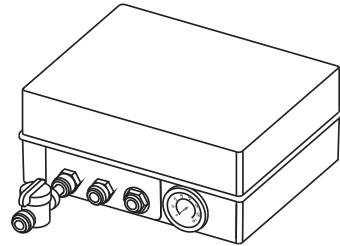
Note: Fittings and pipe should be kept clean, bagged and undamaged before use.

Package Contents

Timer Box
(HTIM001-110-CLDUL)



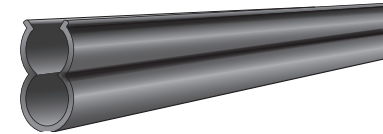
Solenoid Box
(FMSOLBX-PRM38)



FogMist™ Track
(FMTRC38-___-1B)



FogMist™ Track Cover
(3CLPCOVO___-B)



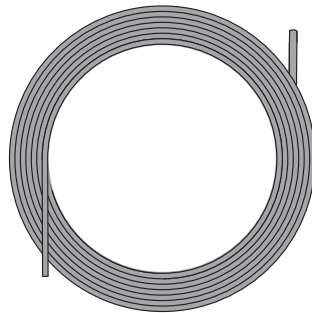
FogMist™ Clamp Lock
(3CLP388B)



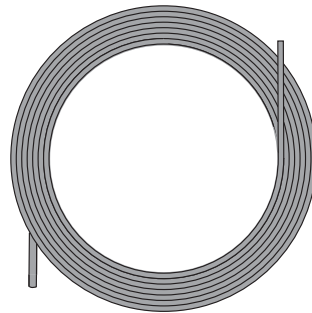
Phosphate Filter (5mic)
(2FIL-EC-S10-2038-P)



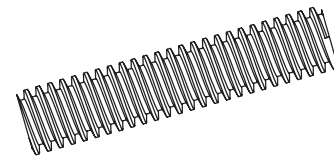
3/8" Tubing
(2TUB120-38I-B)



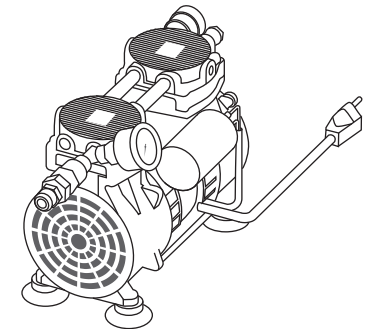
3/4" Tubing
(2TUB340-58ID-B)



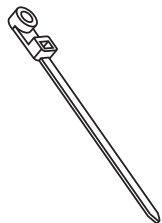
1/2" x 6" Protective Corrugated Tubing
(2TUB-COR-12ID-B-SLT)



Air Compressor Kit
(HCOM001-2HD-FOG)



8in Zip-Ties
(3TIE7)



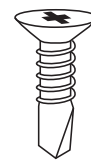
3/8in Clips
(3CLPCAB-38)



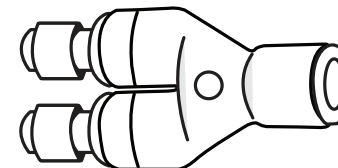
Stainless Steel Screws
(3FAS002)



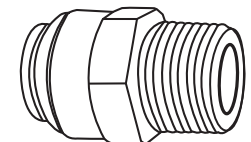
Stainless Steel Screws
(FAS001)



3/8" x 1/4" Splitter Connection
(need part number)



Male Connector, 3/8" QC x 1/2" MPT
(2PMCQ38M12)

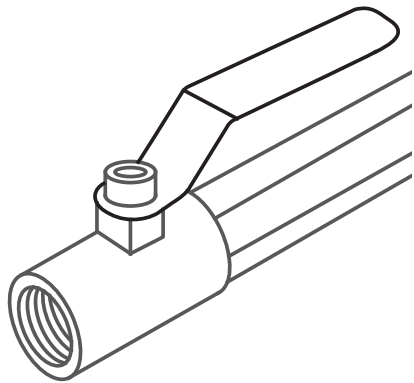


Utility Requirements

⚠ IMPORTANT

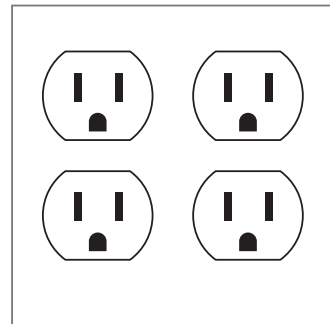
These utility requirements must be in place before installation can take place.

Water Supply



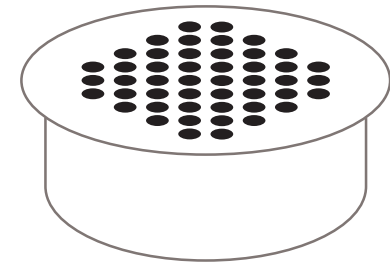
- 1/2in female NPT adapter with ball valve
- Minimum inlet pressure of 30 PSI
- Easily accessible under the display case

4-Plug Power Outlet



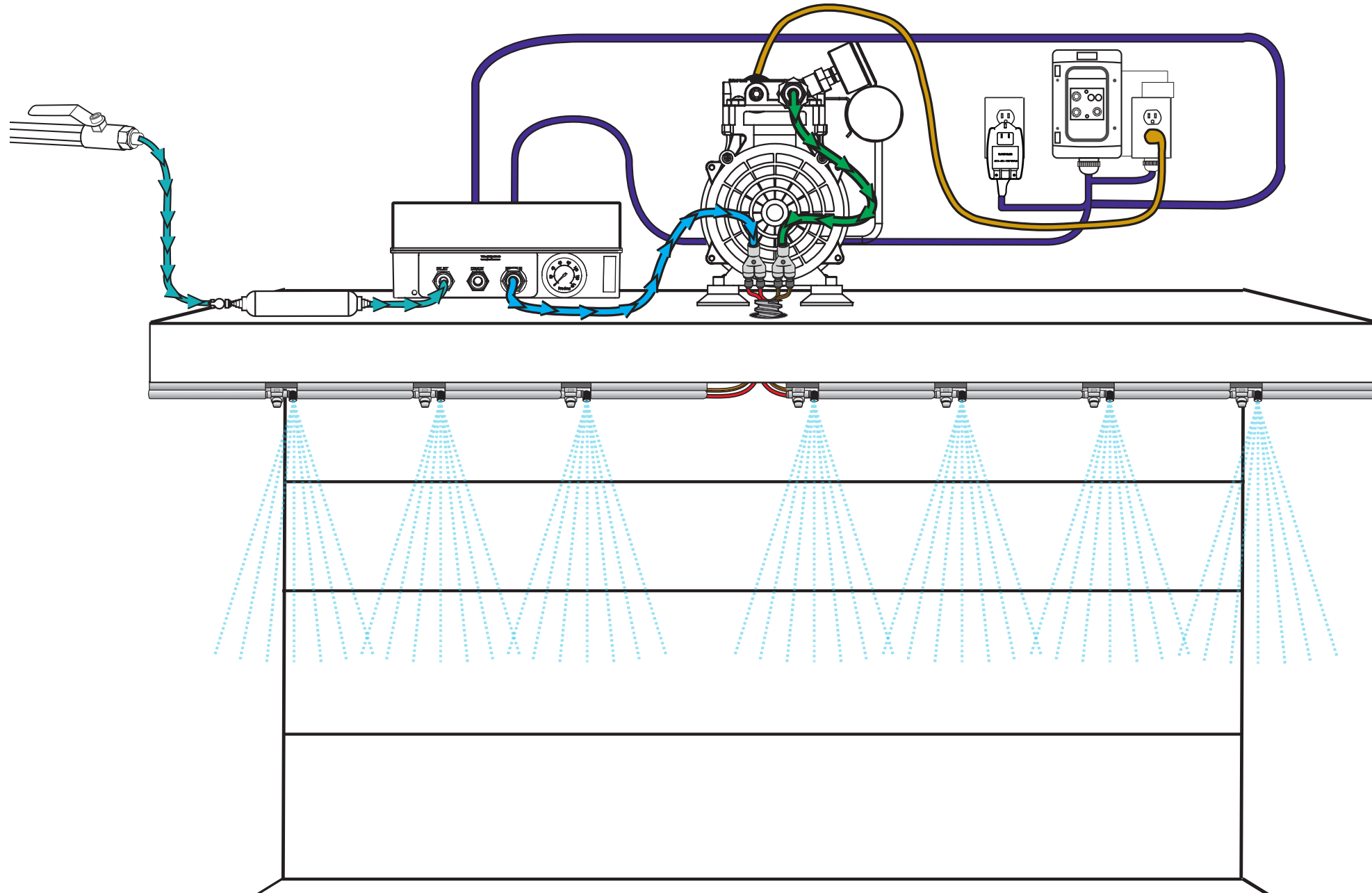
- 110/220VAC
60/50Hz
20Amp
- Easily accessible under the display case

Floor Drain



- Minimum 3/4in for waste water or a 1/2in drain pipe
- Easily accessible under the display case

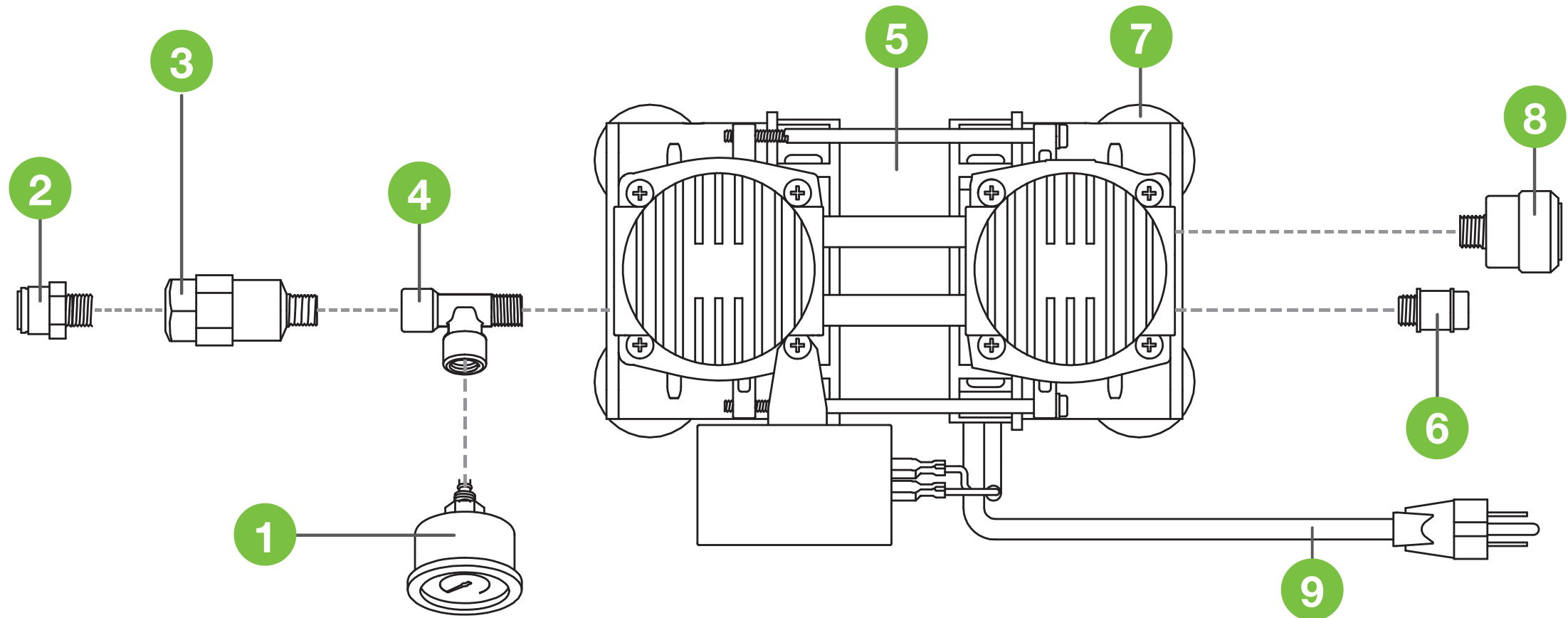
System Layout



Air Compressor Kit Diagram HCOM001-2HD-FOG (Small Systems)

#	PART NUMBER	DESCRIPTION	QTTY
1	2GAU007	Gauge 1.5" 1/4NPT, 0-150	1
2	2PMCQ38M14	M Con, 3/8 inch QC x 1/4 inch MPT	1
3	2AFIL-INL14-5MIC	Air Filter 1/4 inch FNPT 5mic	1
4	2MSTF14F14M14	Straight Tee 1/4 inch, MTL	1
5	1COM006	Air Compressor, Dbl Hd, 110VAC	1

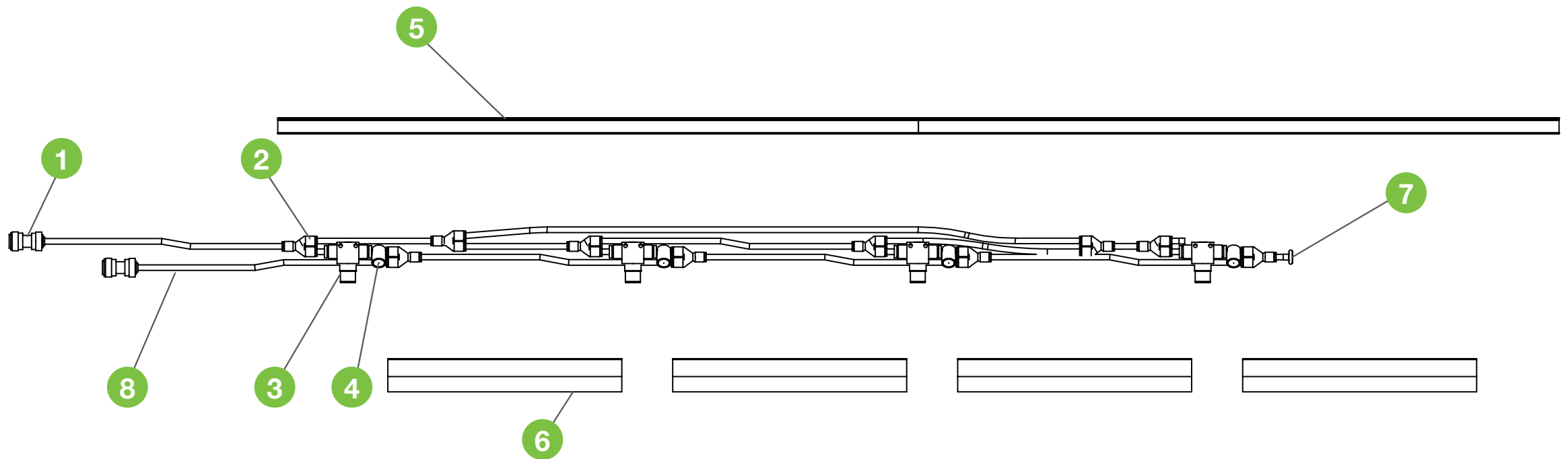
#	PART NUMBER	DESCRIPTION	QTTY
6	2FCVAL-M14	Air Flow Control Valve 1/4 inch NPT	1
7	3CLPHUM003	Suction Cup, w/ 8-32 MS Insert	4
8	1WIR050	Wire, 16/3 Extension Cord	1
9	1CON111	Wire, Butt Connector 18-22 GA	2
5	1CON119	#10 Blue Nylon Ring Terminal	



FogMist™ Track for Produce Breakdown

ITEM #	PART #	DESCRIPTION
1	2PURQ38Q14	Poly, Union Red 3/8Qx1/4Q
2	2P2WDIVQ6-2XQ6-C	2 Way Divider, 6mmQ-2 x 6mmQA2
3	2VALQ6	Straight Valve 6mm x6mm
4	4SPRFM-4W6A-BL38T	Spry, Fog Mist 4mm x 6mm Stem

ITEM #	PART #	DESCRIPTION
5	3CLP388B	Clamp, 388 BK
6	3CLPCOV03-B	C Clamp Cover 9.75"
7	2PSP6-C	Red Stem Plug
8	2TUB6O-4I-B	Tub, 6mm OD Poly BK



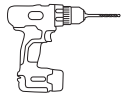
System Installation

IMPORTANT

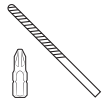
Make sure to place the control box near a power and water source.

FLUSH THE CITY WATER LINE FOR 3-4 MINUTES BEFORE CONNECTING TO OUR WATER LINE.

Tools Required



Drill



Misc Drill Bits & Drivers



Chanel Lock Pliers



Tube Cutter

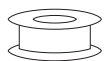


Adjustable Wrenches



Screw Drivers

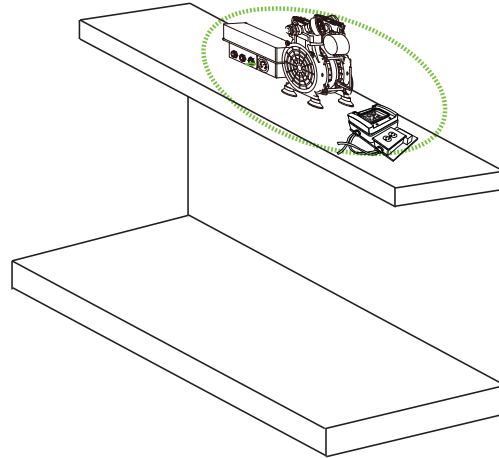
Material Required



Teflon Tape

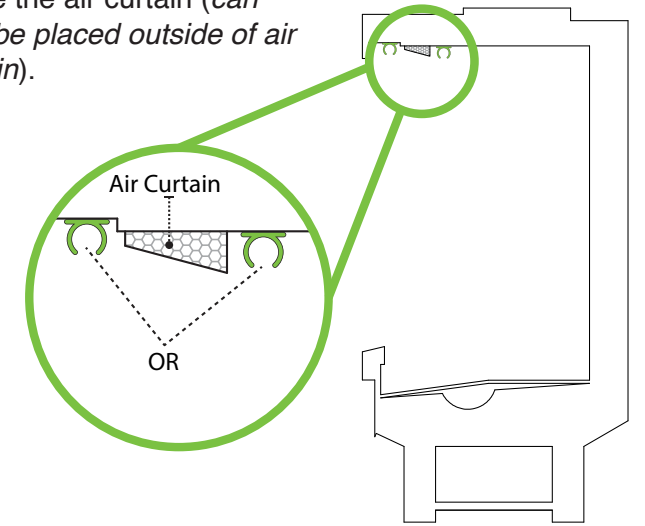
1

Mount the mist control, air compressor and timer box at the center of the area being misted on top of the case.
(Other mounting locations can be used.)



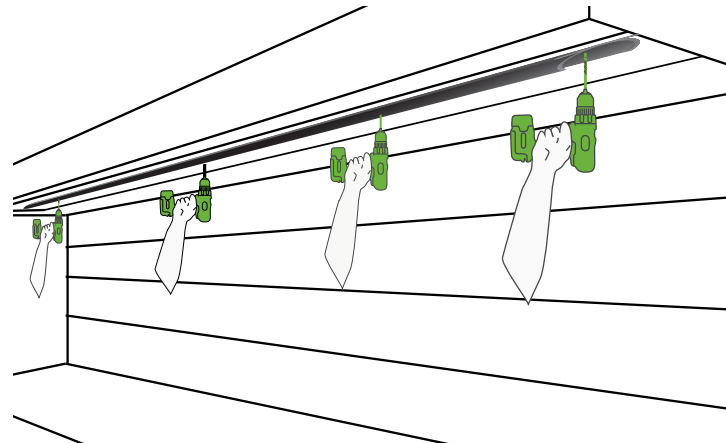
2

Decide where to mount the clamp lock onto the case ceiling in the area to be fogged - preferably inside the air curtain (*can also be placed outside of air curtain*).



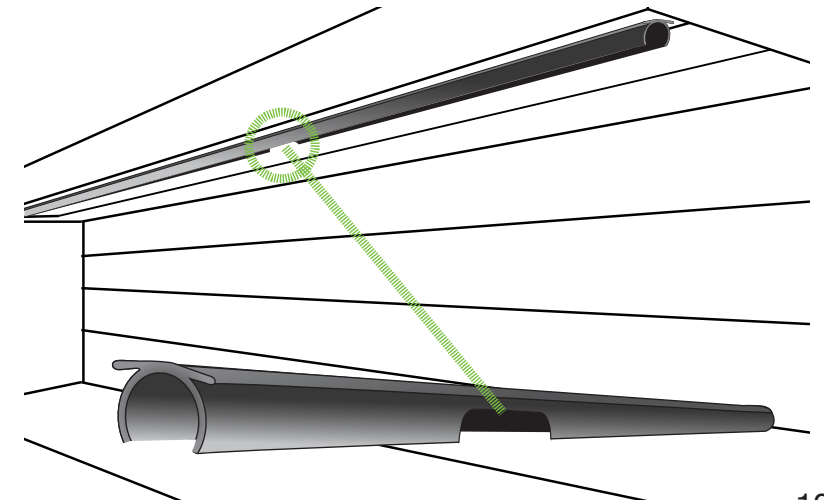
3

Mount the clamp lock into the case ceiling in the area to be fogged with the provided screws.



4

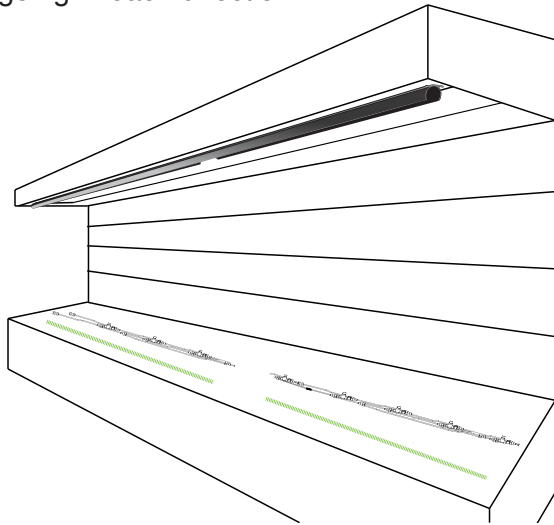
Notch the clamp lock near the middle of the case where the hole will be drilled to connect water and air lines.



System Installation

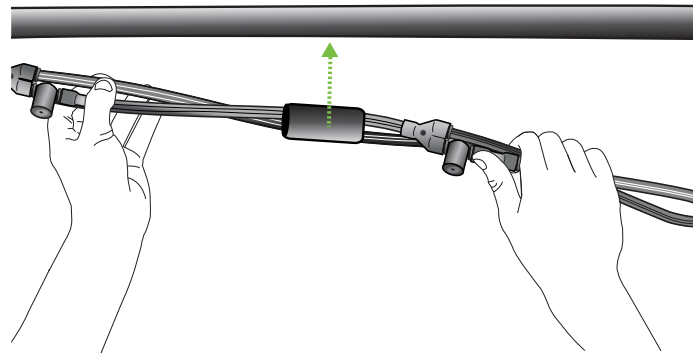
5

Spread the lines across the area to be fogged, starting from the center point and going in each direction.



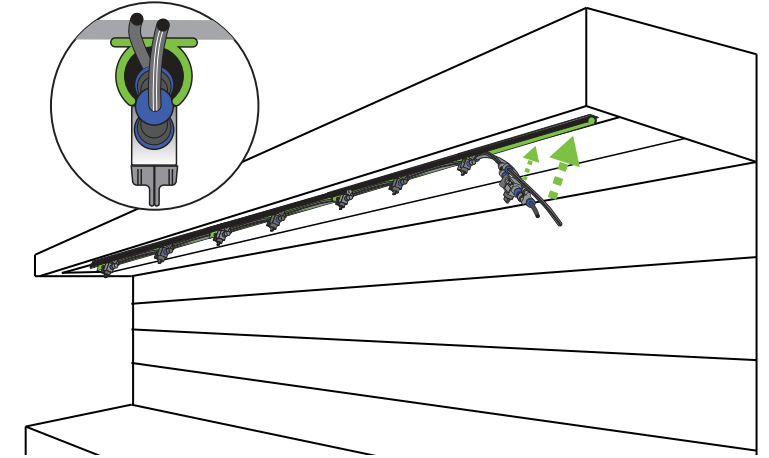
6

Using 3/4in tubing on the track line, insert the lines into the clamp. (Try not to twist the lines as you install.)



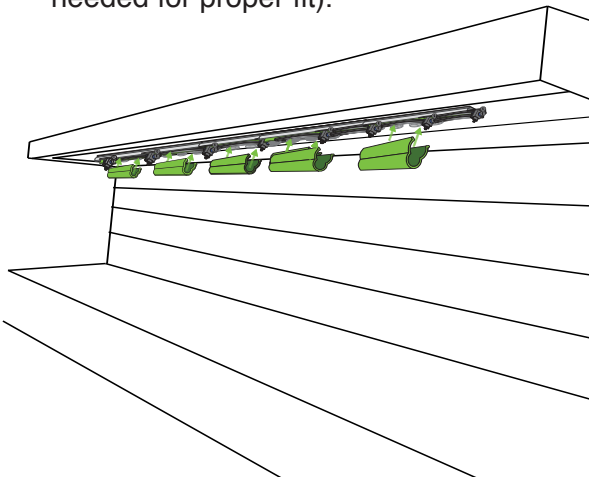
7

Once the lines are in place, ensure that all tubing fits into the clamp.



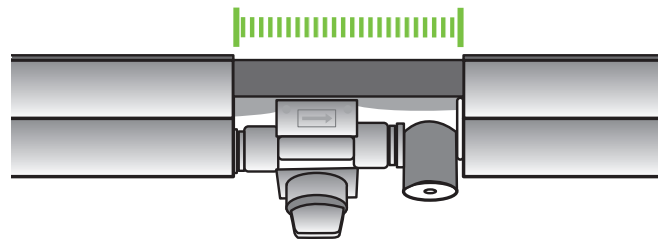
8

Snap the covers over the lines onto the mounting clamp. The covers will fit between the nozzle and shutoff valves on the exposed tubing (some trimming may be needed for proper fit).



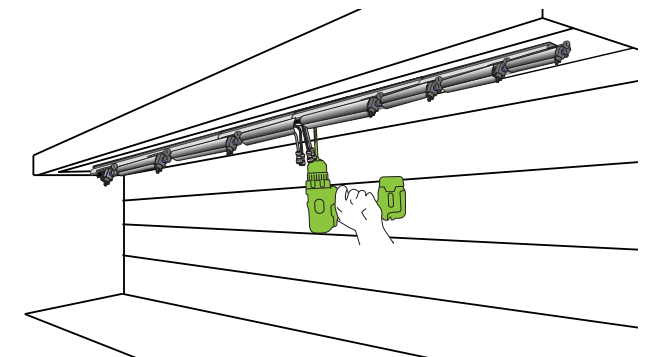
9

When placing the covers, do not place over the nozzles and shut-off valve. Make sure to leave a gap as to not obstruct valve and mist.



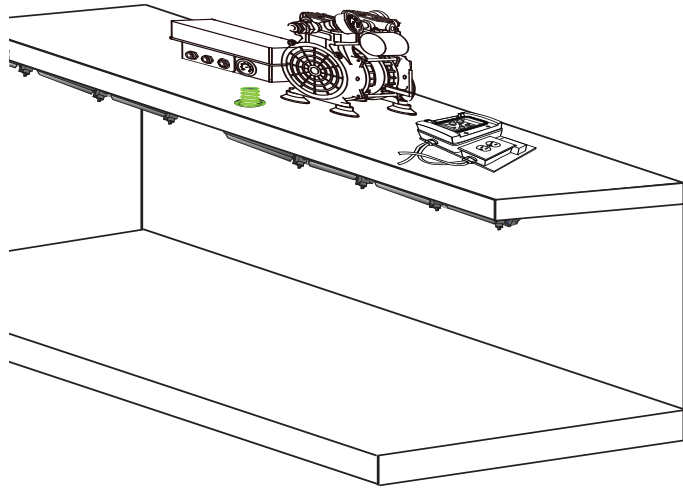
10

Drill a hole for the feed lines in the case ceiling behind the track (approximately 6in). The hole should be drilled in the middle of the case where the two lines of track meet. Ensure that no water, air, electrical or refrigerated lines are in the way.

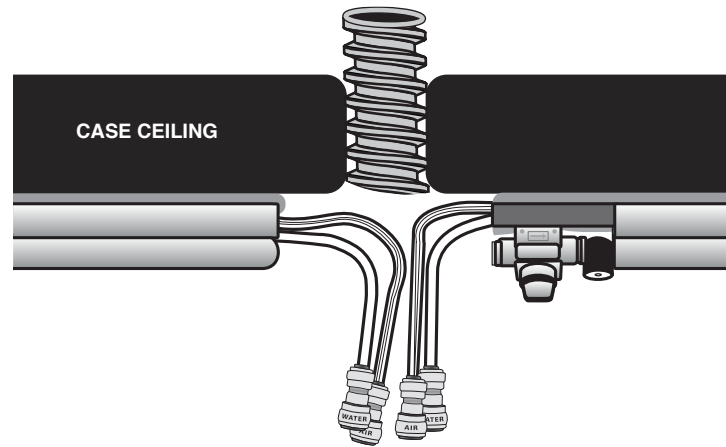


System Installation

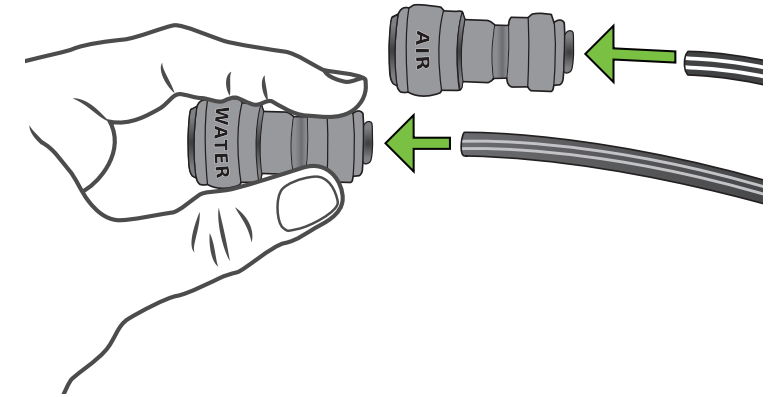
- 11** Insert a piece of corrugated tubing into the hole to protect the lines.



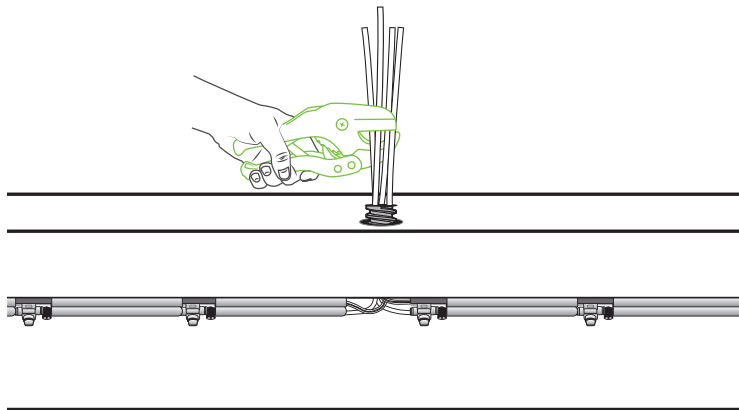
- 12** Once the corrugated tubing is set into place it's time to connect track lines to the controls.



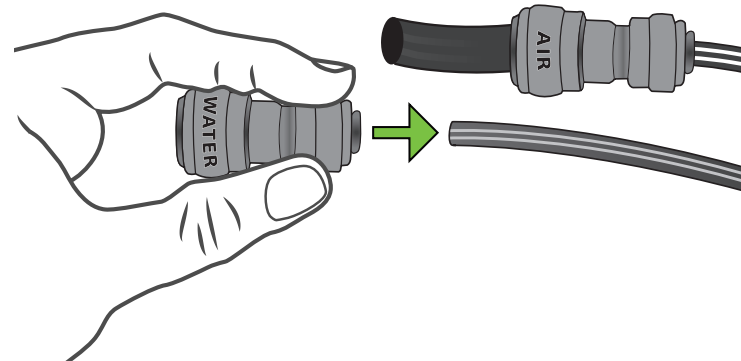
- 13** Remove the couplers from the ends of the track liners to be able to guide lines through the corrugated tubing.



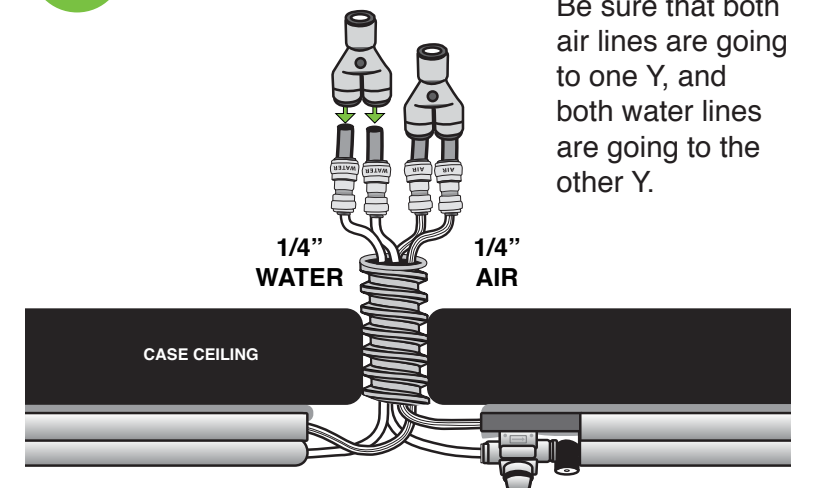
- 14** Run the 6mm air and water lines through the corrugated tubing. Cut to length if needed.



- 15** Re-attach couplers. Insert a 1/2in piece of 3/8in tubing into each coupler to connect to the Y-divider fitting.



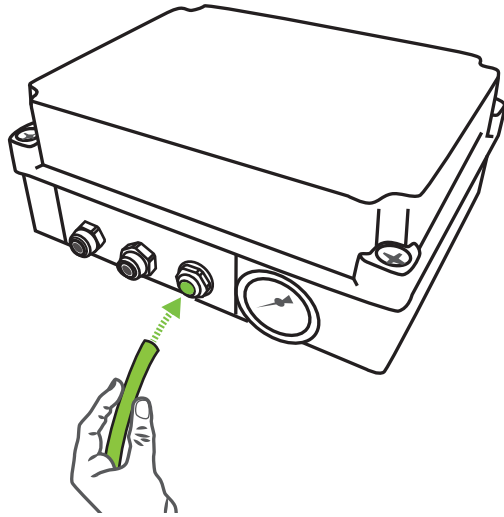
- 16** Connect the Y-divider fittings to the tubing from couplers.



System Installation

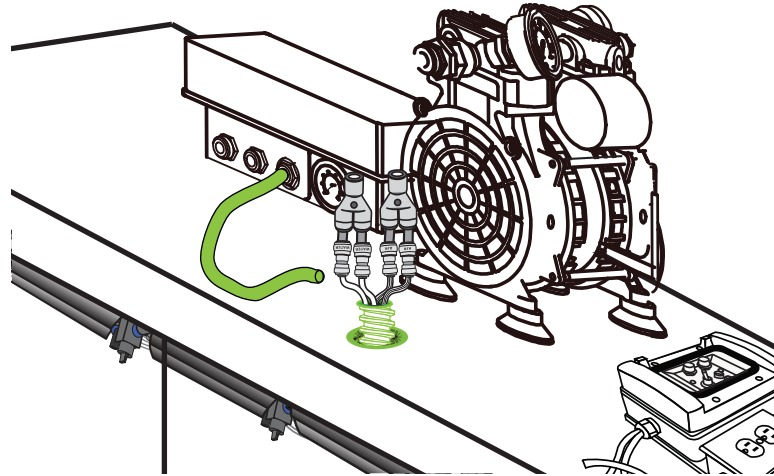
17

Attach the 3/8in water tubing to the port labeled "NOZZLE" on the mist control box.



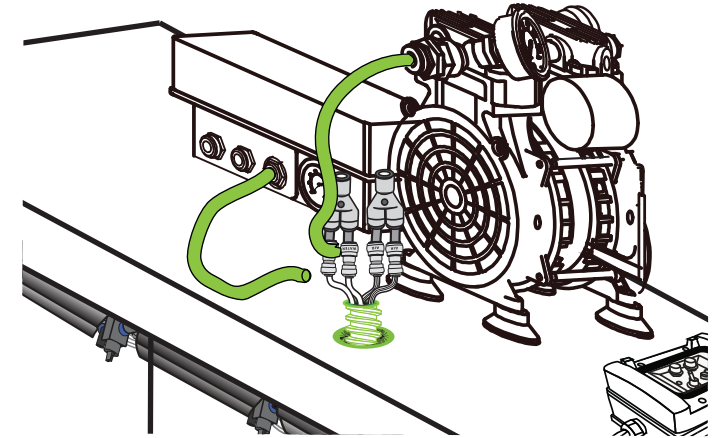
18

Run 3/8in water tubing to water Y-divider. Cut to length.



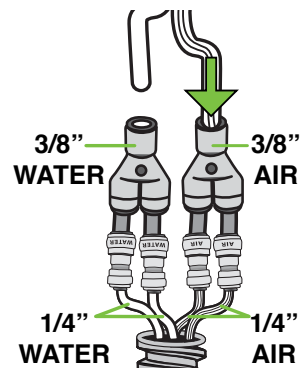
19

Run 3/8in air tubing from the air compressor to air Y-divider. Cut to length.



20

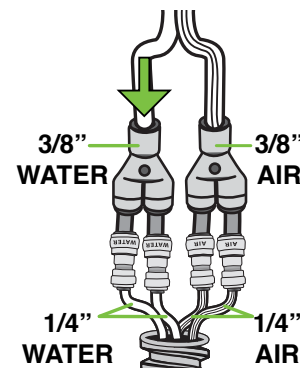
Connect the 3/8in air tubing from the air compressor to the Y-divider with the 6mm air lines.



CASE CEILING

21

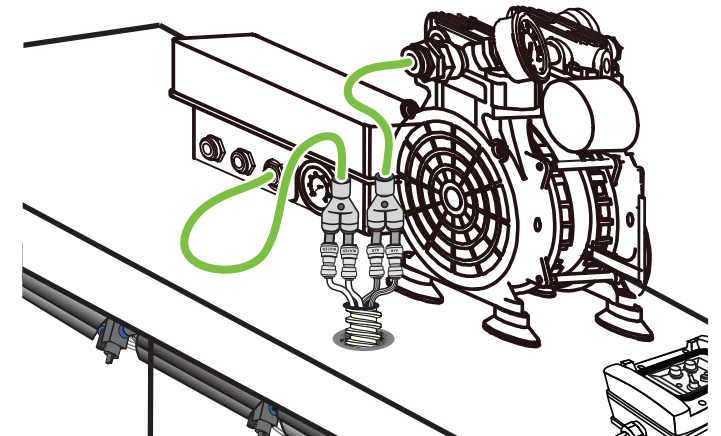
Connect the 3/8in water tubing from the mist control box to the Y-divider with the 6mm water lines.



CASE CEILING

22

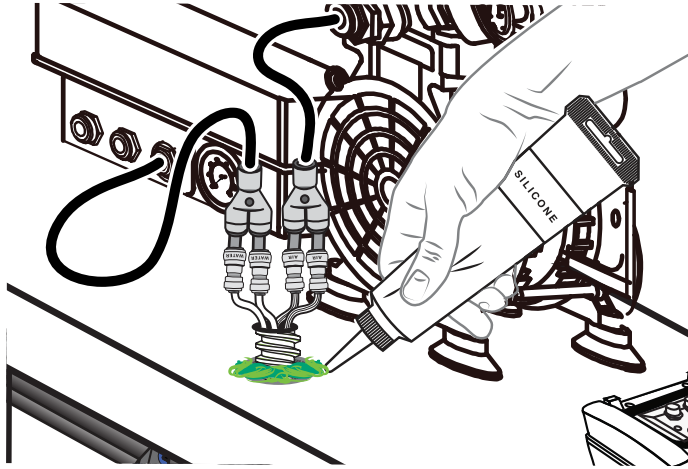
Your lines should look like this after they're run, cut to length, and connected.



System Installation

23

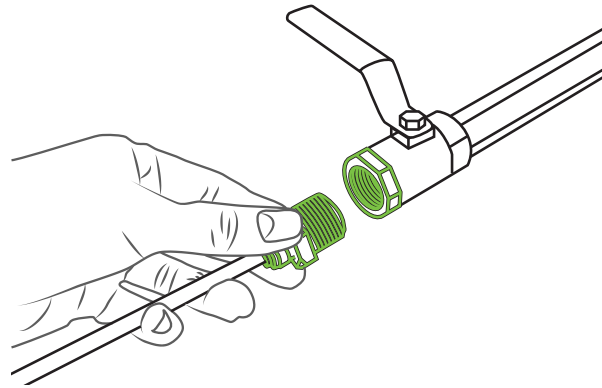
Fill all voids around the corrugated tubing with silicone to avoid leaks.



24

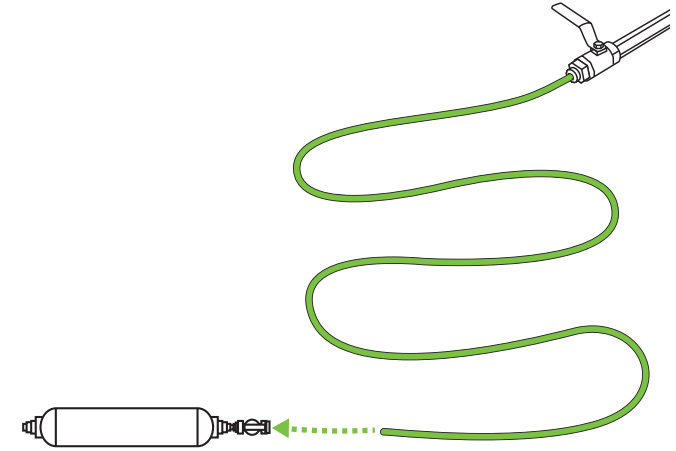
FLUSH THE CITY WATER LINE FOR 3-4 MINUTES BEFORE CONNECTING TO OUR WATER LINE.

Thread black tubing (water inlet and drain kit)



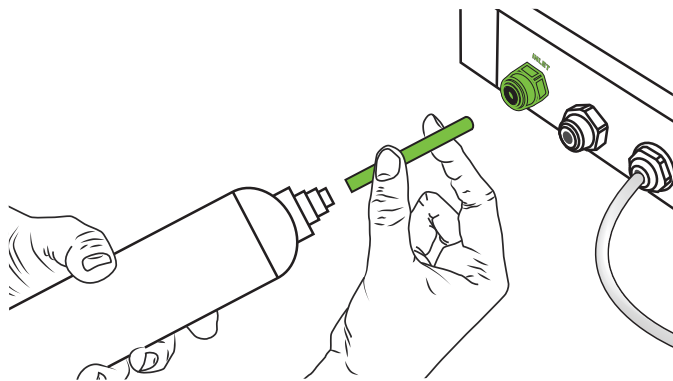
25

Connect the 3/8in black tubing from the water supply to the inline filter at the ball valve. Cut to length. Flush the filter into the drain for 2 minutes.



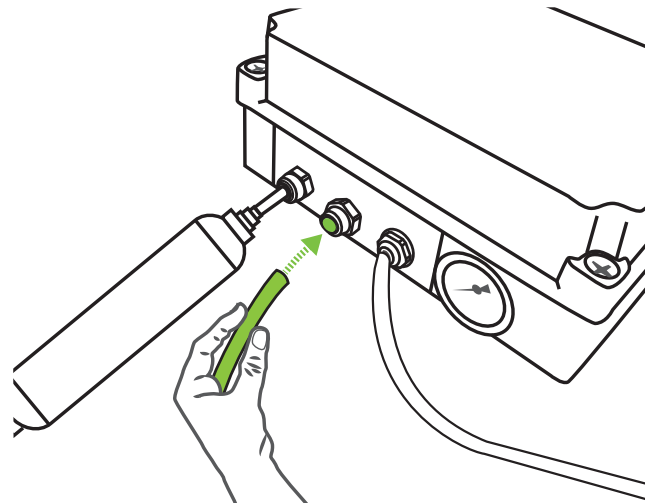
26

Connect the inline filter to the mist control box port labeled "WATER INLET".



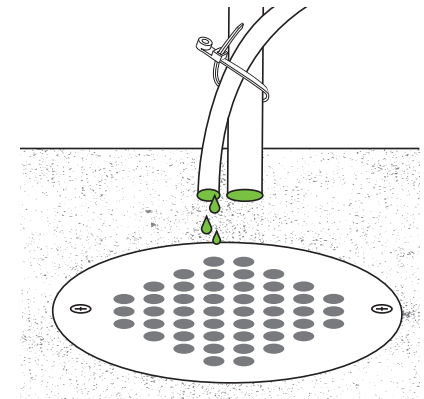
27

Connect 3/8in black tubing to the mist control box port labeled "DRAIN".



22

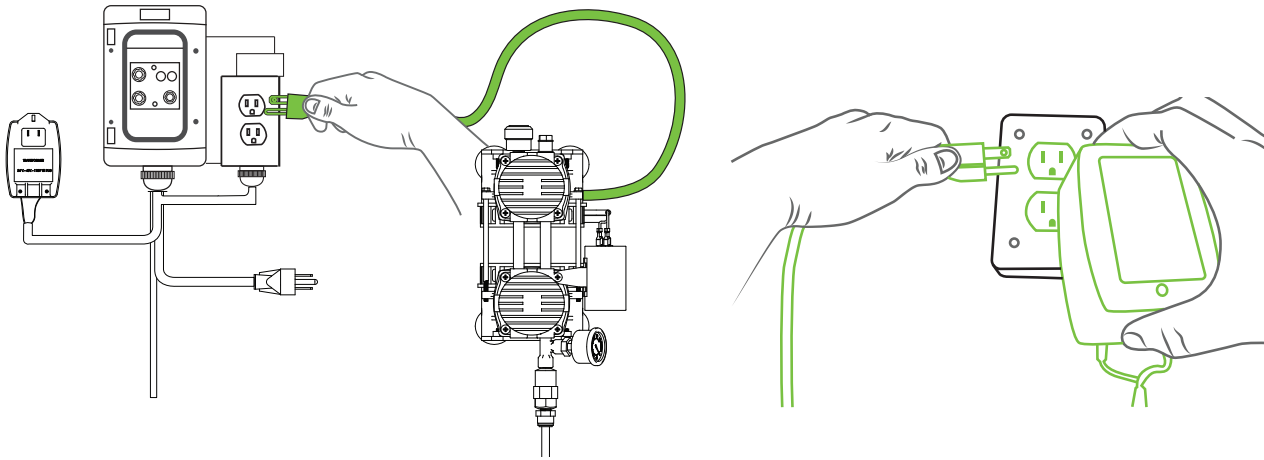
Run the drain line to the floor drain. Cut to length. Strap the 3/8in black tubing to the existing drain lines using zip ties. Leave 1in air gap between the 3/8in black tubing and the drain to avoid contamination.



Start-up Procedures

1

Plug the air compressor(s) into the outlet on the timer box. Plug the timer's 110V transformer into the city power supply outlet.



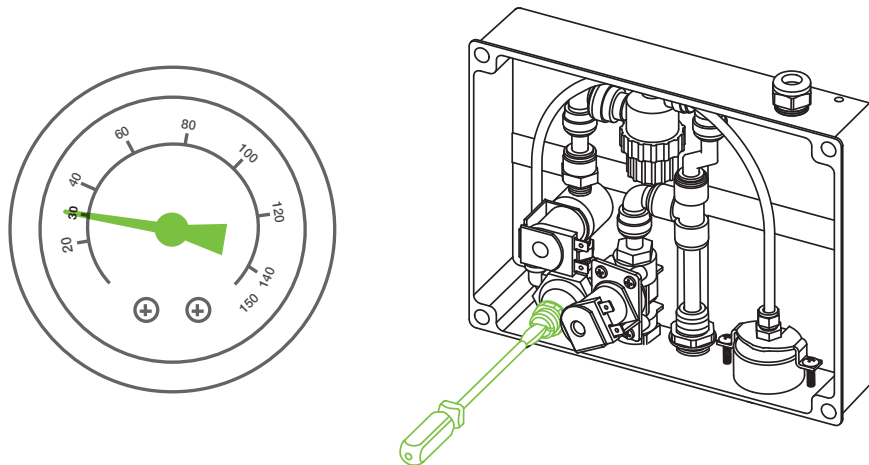
2

Ensure that you have water and power. Confirm that everything is plugged in and connected.



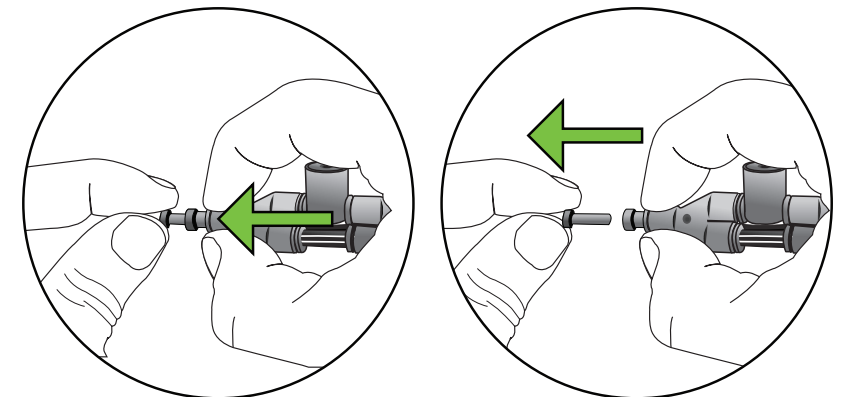
3

Turn on water valve and check the inlet pressure by looking at the solenoid box gauge. The pressure is factory set to 30 PSI. Adjust the pressure by opening the solenoid box and rotating the black knob by hand or screw driver. Increase the water pressure to increase fog density.



4

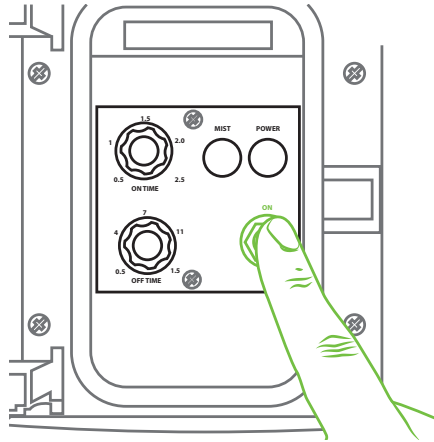
Set OFF TIME to its minimum (0.5 min) and ON Time to maximum settings (2.5 min). Remove the stem plugs from the air and water lines at the end of the line where the last nozzle is located. (See Steps to Set the Timer - pg 20)



Start-up Procedures

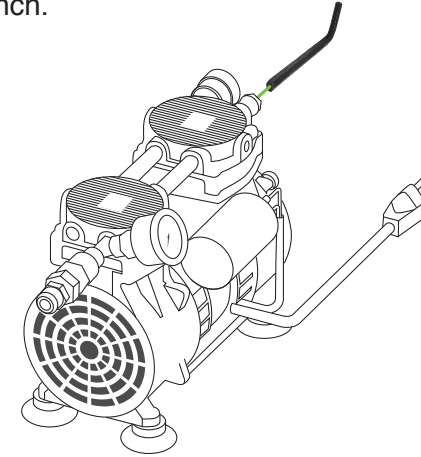
5

Flip the toggle switch on the timer box to ON position. The air compressor should start after 5 seconds. Flush for one cycle and then replace the stem plugs.



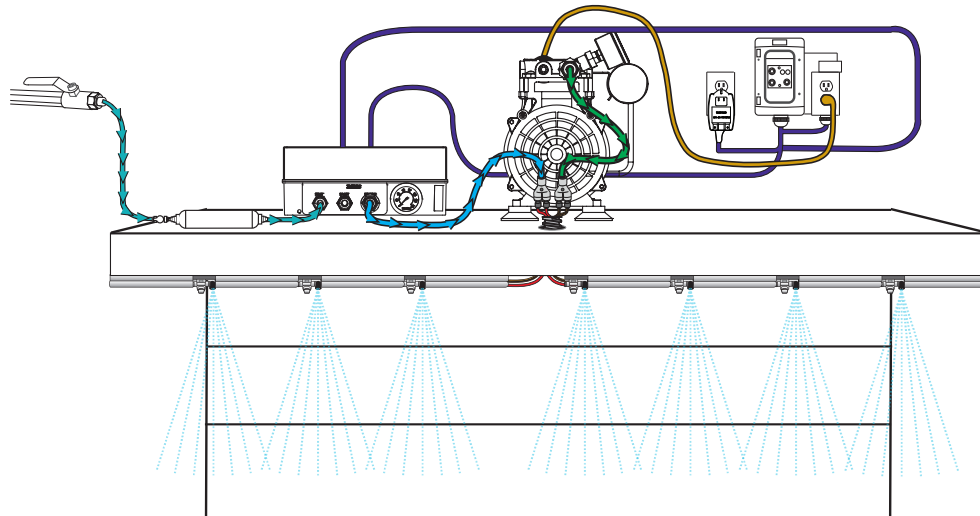
6

Check the air pressure by looking at the gauge on the air compressor. The air pressure should be 15-20 PSI (higher air pressure preferred, but do not exceed 20 PSI). If it's not correct, adjust the air pressure on the air compressor with the allen wrench.



7

Let the system run for several cycles until all nozzles are spraying.



8

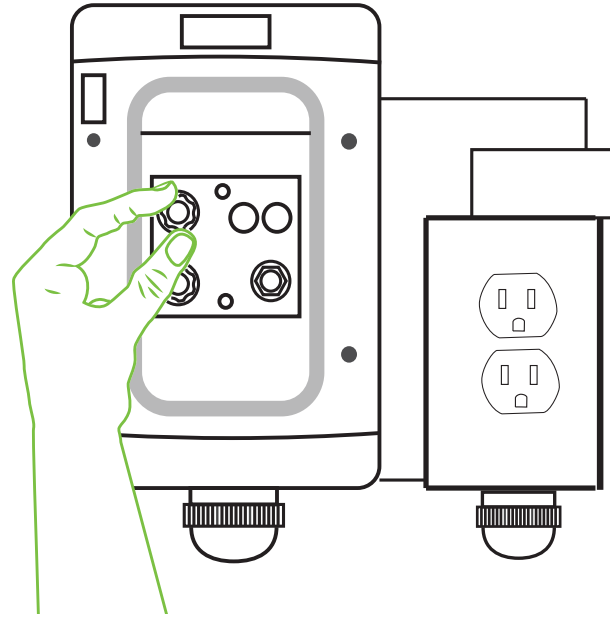
Check for leaks and ensure proper mist pattern. Ensure all nozzles are spraying. If not, see Troubleshooting Guide.



Start-up Procedures

9

Set the timer to recommended settings (See Recommended Timer Settings - pg 20).



9

Do a happy dance. System is ready for use.



Timer Settings

⚠ IMPORTANT

The factory presets are the recommended settings for the system.

Only change the settings if there is too much or too little fog.

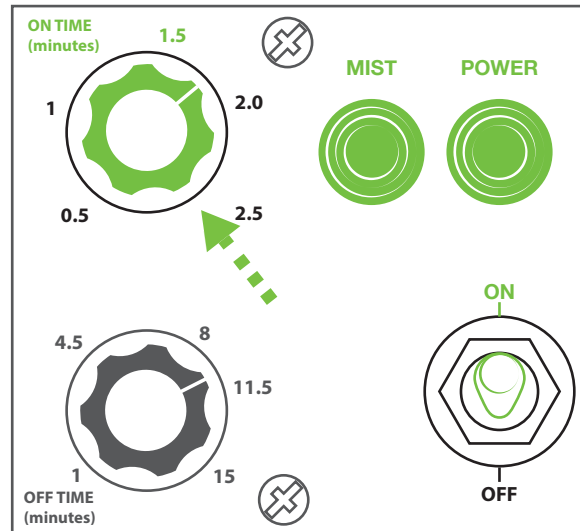
Factory Presets

- **ON Time** - 0.5 - 2.5 minutes
Duration of fog cycle.
- **OFF Time** - 1 - 15 minutes
Duration in between fog cycles.

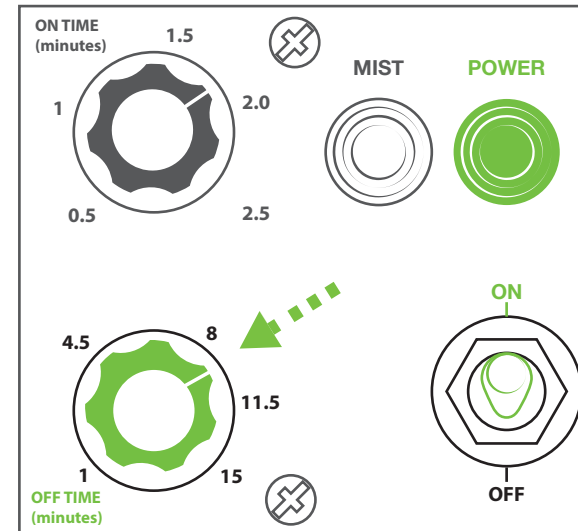
The recommended cycle times are preset at our manufacturing facility.

If repairs or changes have been made to the system, we recommend that you flush the lines to ensure that no particles, liquid Teflon, Teflon tape, pipe dope, or other foreign matter is present in the system.

The **ON** time is set by rotating the black knob marked 'ON TIME'



The **OFF** time is set by rotating the black knob marked 'OFF TIME'



⚠ FILTER CHANGE SCHEDULE

for Phosphate Inline Filter (2FIL-EC-S10-2038-P)

Water quality PPM coming into Solenoid Box	Filter Change Schedule
>100	quarterly
100	as needed (monthly)

for inline mesh filter in the solenoid box

filter can be cleaned; only needs to be replaced if damaged or too clogged to clean

- unscrew cover and remove mesh screen
- wash screen with a mild cleaner
- scrub with a soft brush if necessary
- reinstall screen and securely tighten cover

System Warranty

At Prodew, we are dedicated to providing innovative designs and well-made products to fit our customers' individual needs. If the product you purchase from us does not perform to the design specifications, we ask for the opportunity to make it right.

If you are still not satisfied, we will make adjustments according to our Limited Warranty and Exclusion of Remedies Policy.

LIMITED WARRANTY AND EXCLUSION OF REMEDIES

Perishable control equipment and component parts distributed by Prodew, Inc., its suppliers and agents, as well as new material furnished hereunder, is warranted against any defect in materials or service in accordance with factory recommendations providing that a claim, therefore, is made in writing within the limit set forth as 365 days from the date of invoice for parts (not including nozzles) and 90 from the date of invoice for labor, and that either Prodew, Inc. or its Authorized Service Agency's examination, shall disclose to the Distributor's satisfaction to be thus defective. PRODEW INC.'S OBLIGATION ON ANY CLAIM IS LIMITED TO REPLACEMENT OR REPAIR OF THE DEFECT OR MATERIAL F.O.B. FACTORY.

Pretreatment may adversely affect the performance of Prodew, Inc.'s perishable control equipment. Prodew, Inc. takes no responsibility for damage resulting from unapproved pretreatment equipment and/or inappropriate maintenance of said equipment.

THERE ARE NO WARRANTIES, EXPRESSED OR IMPLIED, OF ANY NATURE WHATSOEVER, INCLUDING THE WARRANTY OF MERCHANTABILITY, EXCEPT AS SPECIFICALLY SET FORTH HEREIN.

Except as stated above, Prodew, Inc., its suppliers, and agents will not be liable for any loss, injury, or damages to persons or property resulting from failure of defective operation of any material, equipment, or installation furnished hereunder or delay in performance of this agreement, nor will it be liable for direct, indirect, special, incidental, or consequential damages of any kind sustained from any cause. This writing expresses the entire agreement, and no other agreement, statement, or representation shall be binding unless reduced to writing.



sales@prodew.com



www.prodew.com



1359 Gresham Road
Marietta, GA, 30066



770.420.3060 | 866.677.6339