

FogMist™ Track



Installation Manual for Sprouts Service Cases

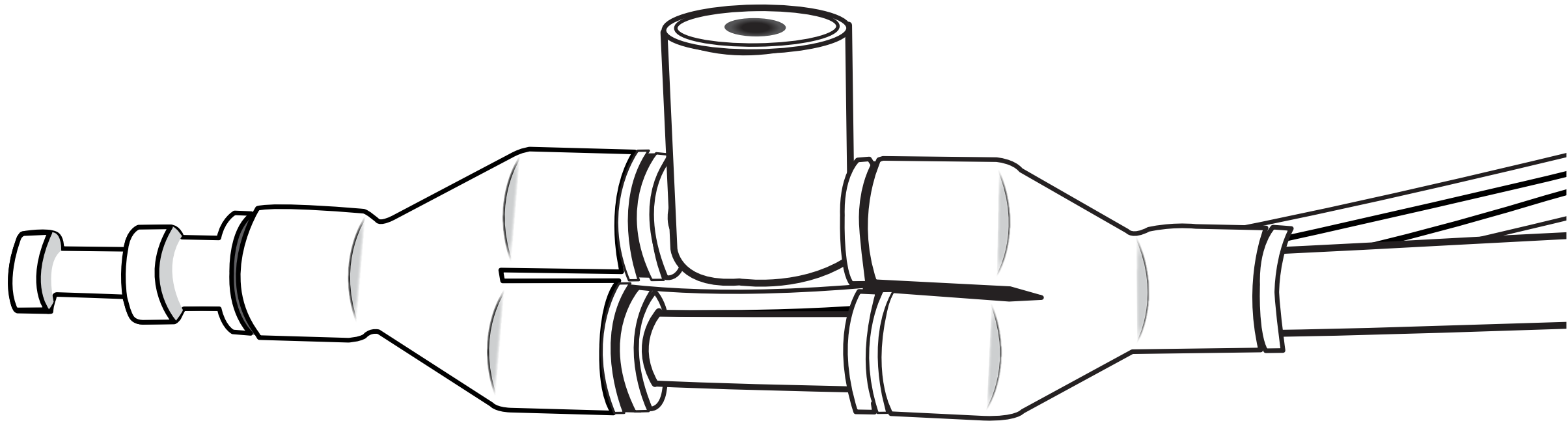


Table of Contents

Package Contents	5
Utility Requirements	6
System Layout	7
Air Compressor Kit Diagram	8-9
FogMist™ Block Breakdown	10
System Installation	11 - 18
Start-Up Procedures	19 - 22
Timer Settings	23
System Warranty	25

Having trouble understanding our instructions?

Contact our customer service department with your questions.

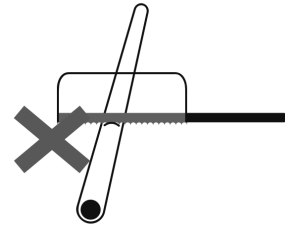
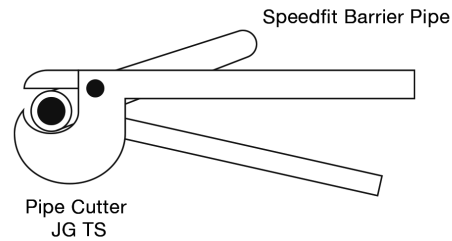
✉ sales@prodew.com

☎ 770.420.3060 | 866.677.6339

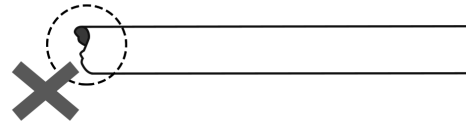
Quick Connect Fitting Assembly

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.



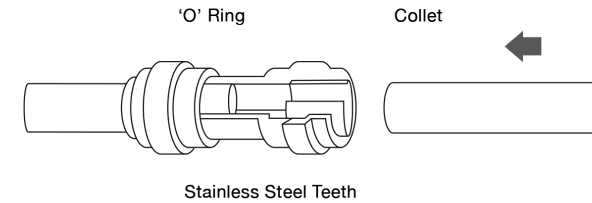
Note: Do NOT use a hacksaw.



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.

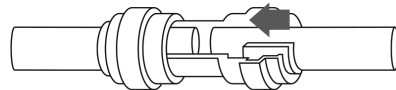
Do not insert fingers into the fitting as the stainless steel teeth may cause injury.



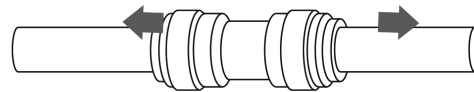
2 Assemble the Connection

Connecting standard Quick-Connect fittings.

Push up to pipe stop.

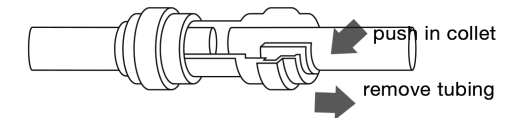


Push the tubing into the fitting, to the tubing stop. The collet (gripper) has stainless teeth which hold the tubing firmly in position whilst the 'O' ring provides a permanent leak-proof seal. Pull to check if it is secure.



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.

Disconnecting standard Quick-Connect fittings.



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.

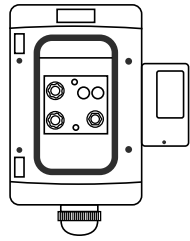
3 Verify the connection

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

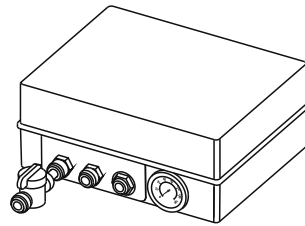
Note: Fittings and pipe should be kept clean, bagged and undamaged before use.

Package Contents

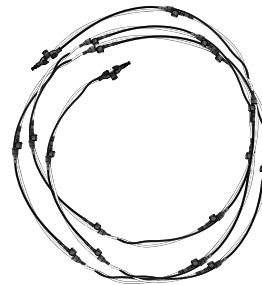
Timer Box
(HTIM001-110-S38)



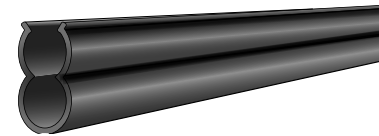
Solenoid Box
(FMSOLBX-PRM38)



FogMist™ Track
(need part number)



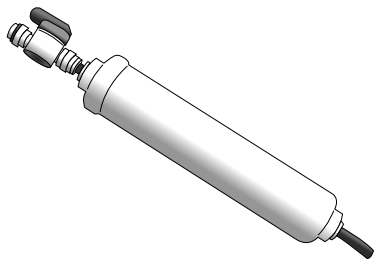
FogMist™ Track Cover
(need part number)



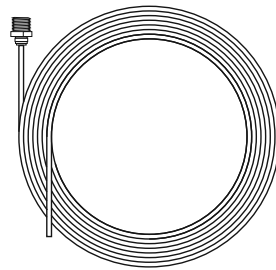
FogMist™ Clamp Lock
(need part number)



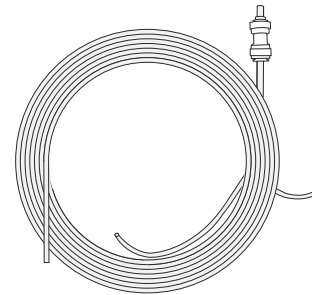
Phosphate Filter (5mic)
(2FIL-EC-S10-2038-P)



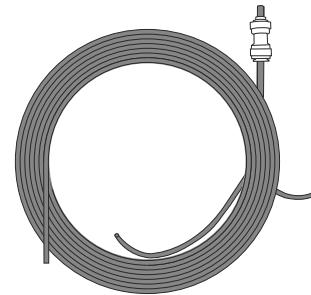
Water Inlet and Drain Kit
(part of FMNOZ-2SS53)



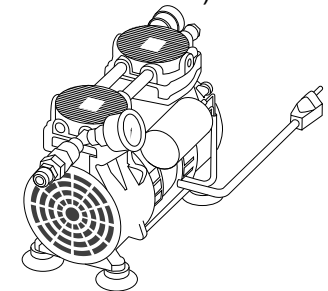
Water Kit for Nozzles
(part of FMNOZ-2SS53)



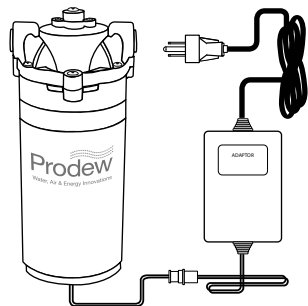
Air Kit for Nozzles
(part of FMNOZ-2SS53)



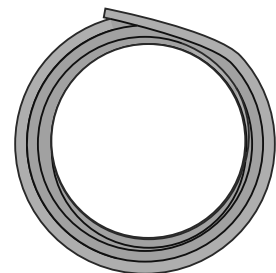
Air Compressor Kit
(HCOM001-FOG
or HCOM001-1HD)



3/8in Black Poly Tubing
(need part number)



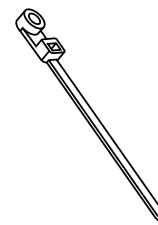
3/8in Black Poly Tubing
(need part number)



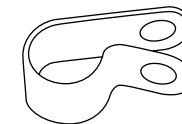
Track Heating Element
(need part number)



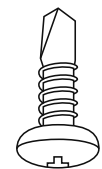
8in Zip-Ties
(3TIE7)



3/8in Clips
(3CLPCAB-38)



Stainless Steel Screws
(need part number_

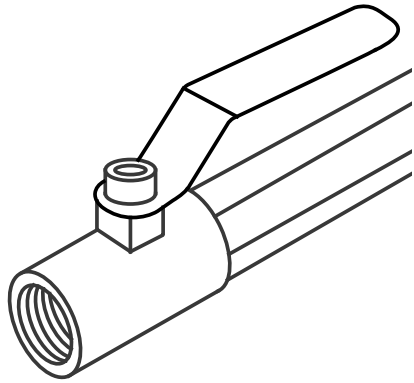


Utility Requirements

⚠ IMPORTANT

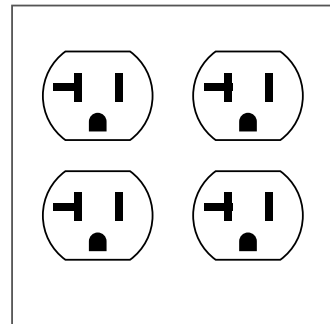
These utility requirements must be in place before installation can take place.

Water Supply



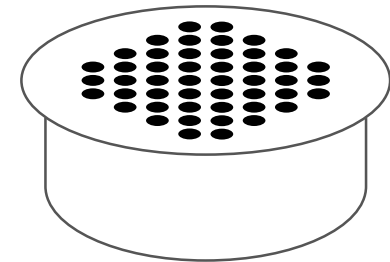
- 1/2in female NPT adapter with ball valve
- Minimum inlet pressure of 30 PSI
- Easily accessible under the display case

4-Plug Power Outlet



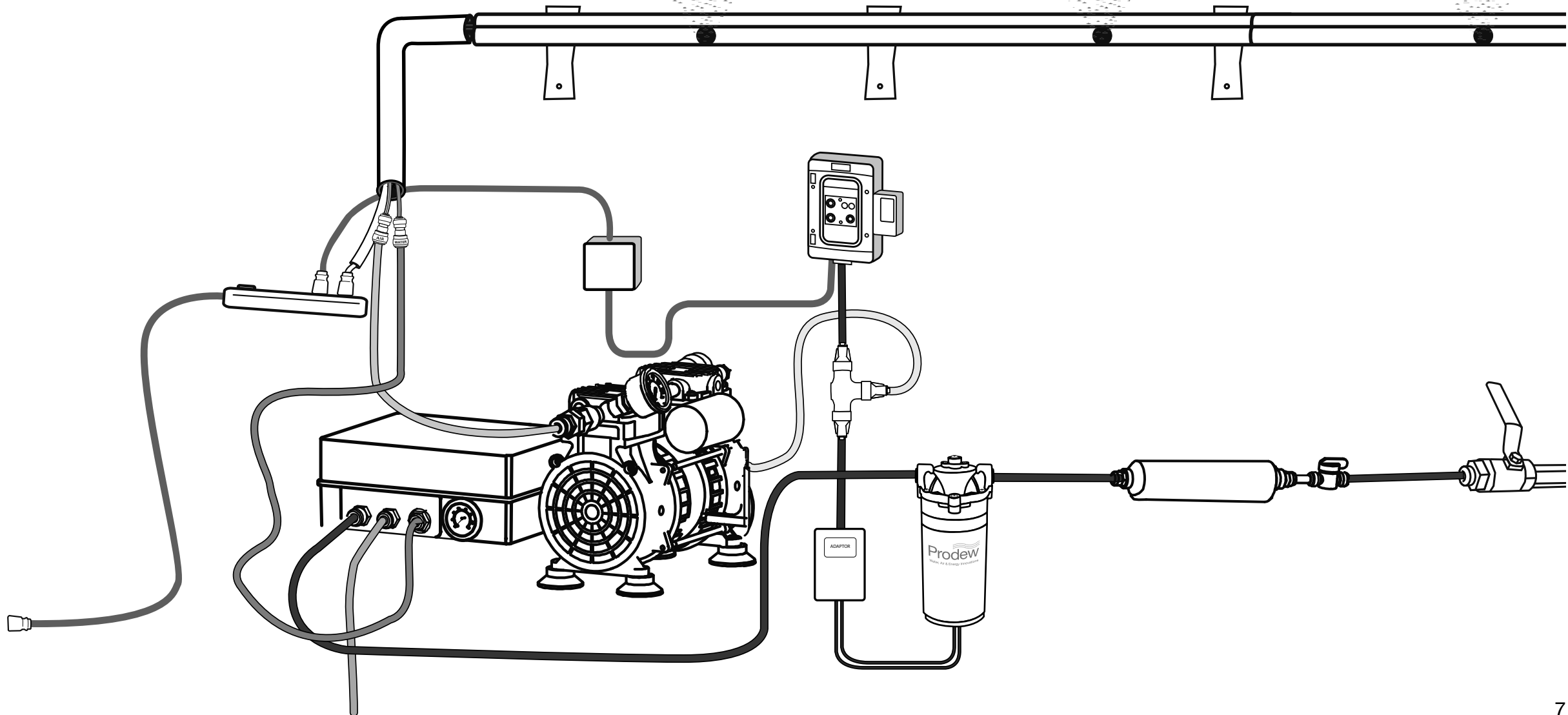
- 110/220VAC
60/50Hz
20Amp
- Easily accessible under the display case

Floor Drain



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

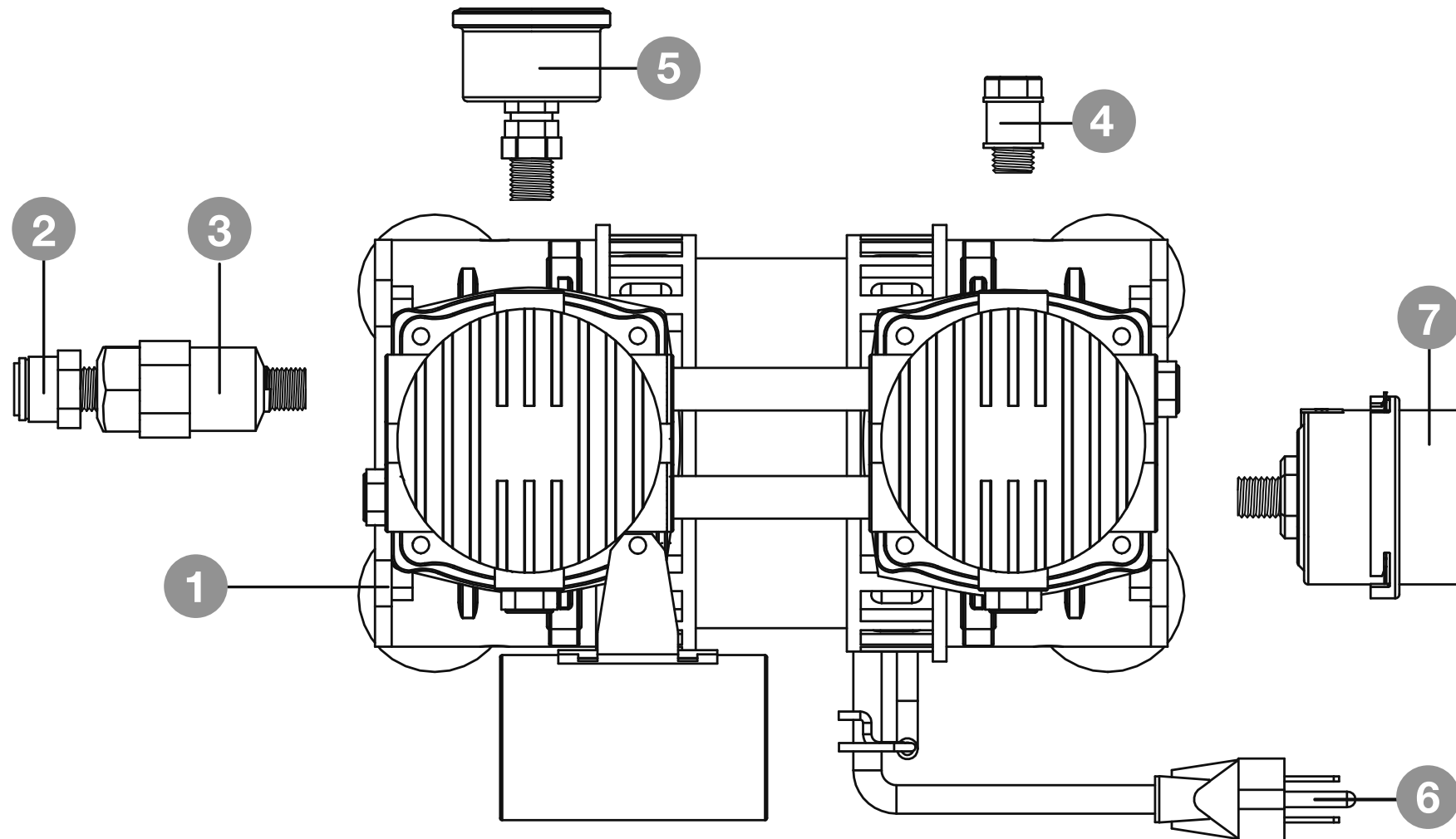
System Layout



Air Compressor Kit Diagram HCOM001-FOG (Large Systems)

#	PART NUMBER	DESCRIPTION	QTTY
1	1COM005-C	Air Comp. Single Head 110 VAC	1
2	2PMCQ38M14	Male Con, 3/8 inch QC x 1/4 inch MPT	1
3	2AFIL-INL14-5MIC	Air Filter 1/4 inch FNPT 5 mic	1

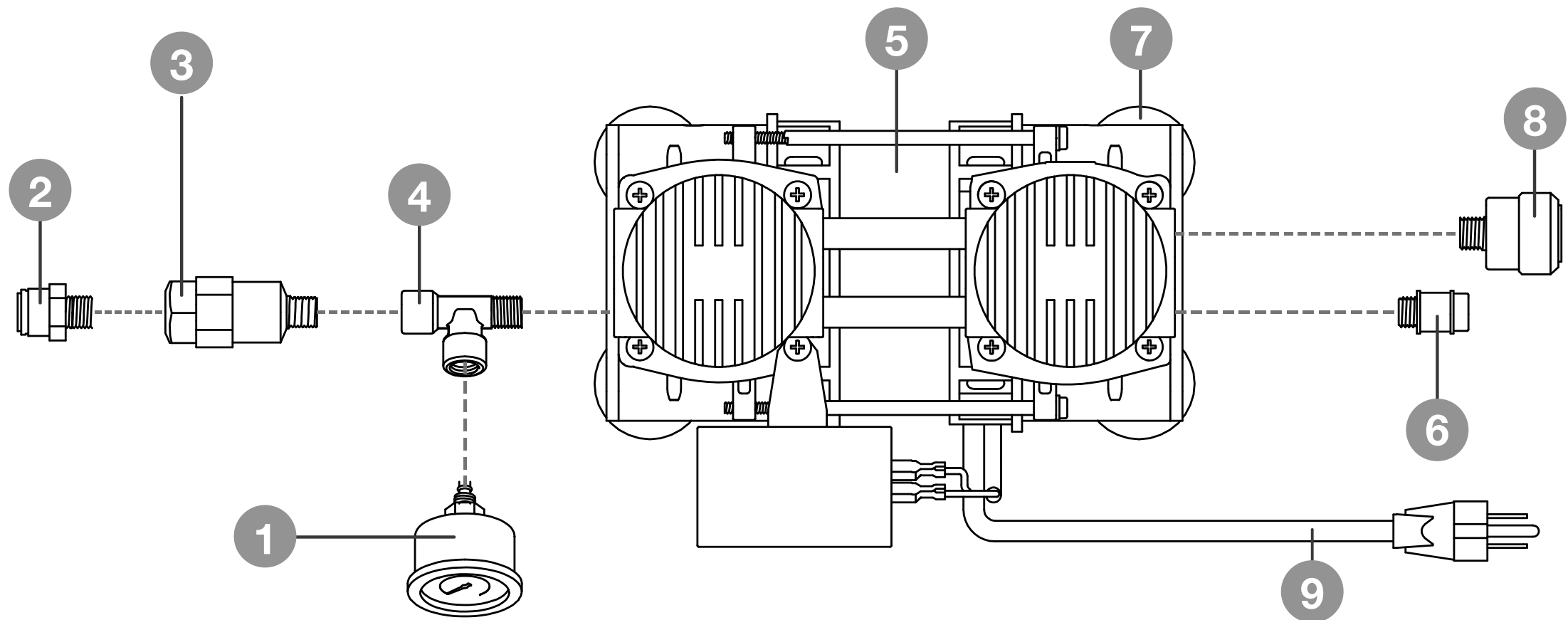
4	2FCVAL-M14	Air Flow Control Valve 1/4 inch NPT	1
5	2GAU010	Gauge 1.5 inch, 1/4 NPT, 0-60	1
6	1WIR050	Wire, 16/3 Extension Cord	1
7	2AFIL003	Air Intake Filter 1/4 inch NPT	1



Air Compressor Kit Diagram HCOM001-1HD (Small Systems)

#	PART NUMBER	DESCRIPTION	QTTY
1	2GAU006	Gauge 1.5 inch 1/4 inch NPT, 0-160	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 5 mic	1
4	2MSTF14F14M14	Straight Tee 1/4 inch, MTL	1

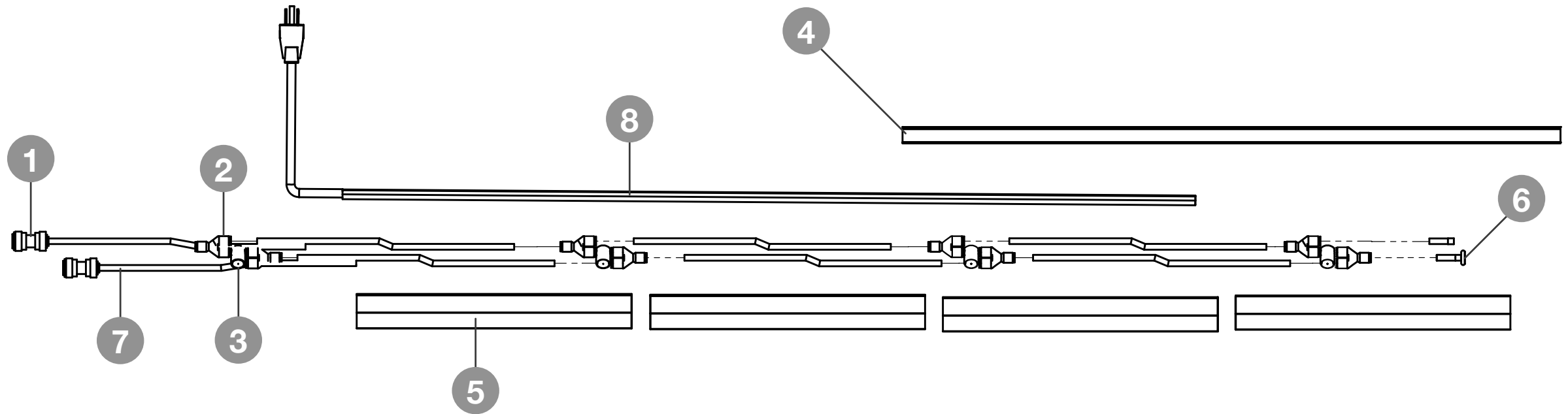
5	1COM002	Air Compressor, Dbl Hd, 110VAC	1
6	2FCVAL-M14	Air Flow Control Valve 1/4 inch NPT	1
7	3CLPHUM003	Suction Cup, w/ 8-32 MS Insert	4
8	2AFIL003	Air Intake Filter 1/4 inch NPT	1
9	1WIR050	Wire, 16/3 Extension Cord	1



FogMist™ Track for Sprouts Service Breakdown

ITEM #	PART #	DESCRIPTION	QTY.
1	2PURQ38Q14	Poly, Union Red 3/8Qx1/4Q	2
2	2P2WDIVQ6-2XQ6	2 Way Divider, 6mmQ-2 x 6mmQA2	10
3	4SPRFM-4W6A-BL	Spry, Fog Mist 4mm x 6mm Stem	4
4	3CLP388B	Calmp , 388 BK	1

ITEM #	PART #	DESCRIPTION	QTY.
5	3CLPCOV03-B	C Clamp Cover 9.75"	4
6	2PSP6-R	Red Stem Plug	2
7	2TUB6O-4I-B	TUB, 6mm OD Poly BK	—
8	1HT-CABLE-6W	Heating Element	1



System Installation

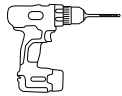
IMPORTANT



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

Equipment Required

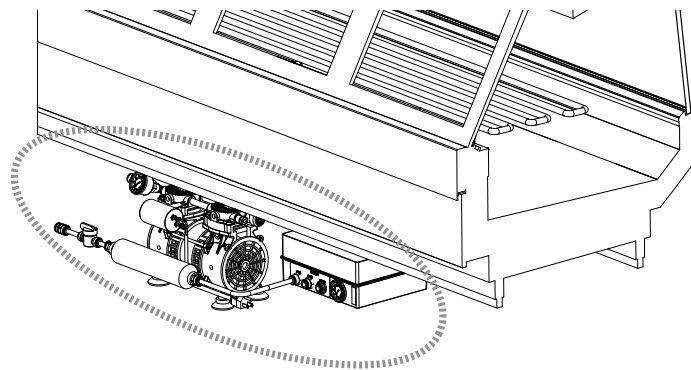


Teflon Tape

1

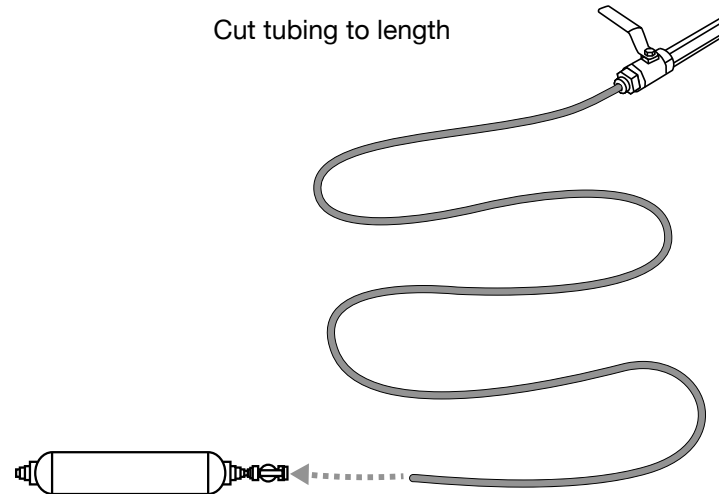
Mount the solenoid box and the air compressor under the display case.

Ensure both are strapped tightly to avoid movement



3

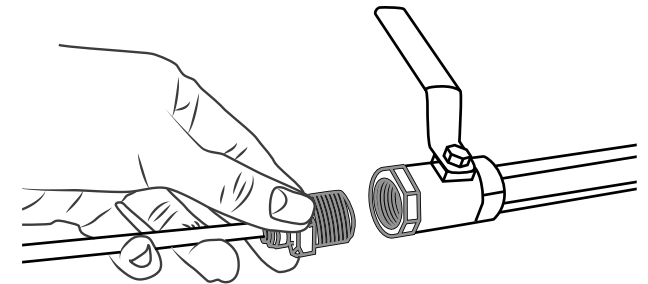
Run the other end of the black tubing from the water supply ball valve to the shut-off valve on the filter. Cut tubing to length



2

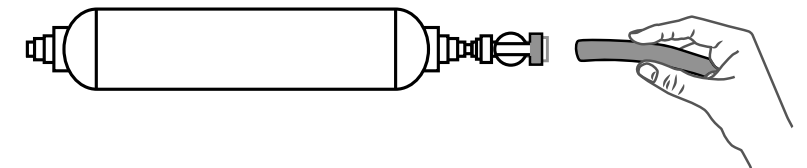
FLUSH THE CITY WATER LINE FOR 3-4 MINUTES BEFORE CONNECTING TO OUR WATER LINE.

Thread black tubing (water inlet and drain kit) into the water supply ball valve. Apply teflon tape as needed.



4

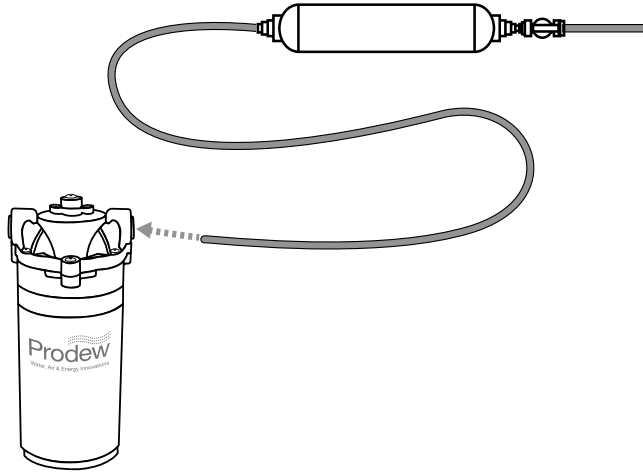
Connect black tubing (minimum 4in length) to the inline filter. Flush the filter for at least two minutes.



System Installation

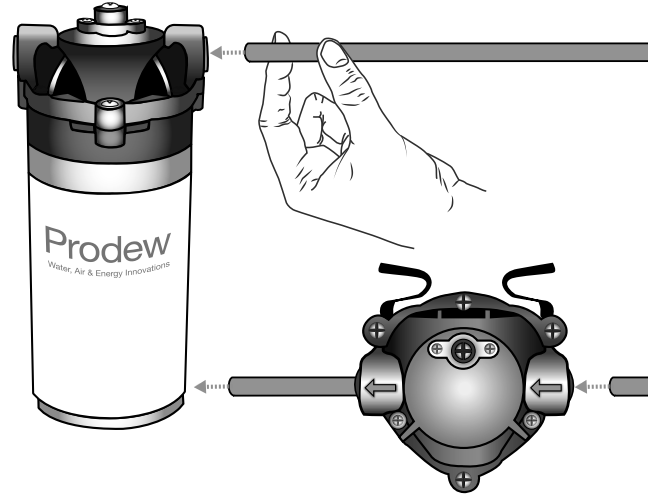
5

After filter flush, run black tubing from the filter to the booster pump.



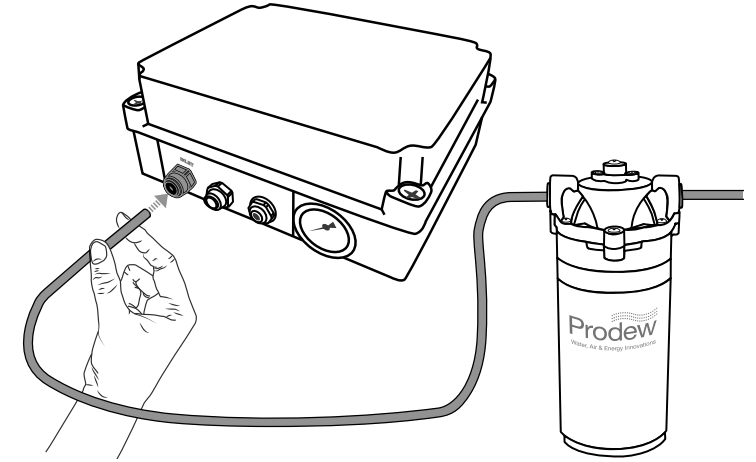
6

Connect tubing from filter to pump, making sure going the direction of arrows on top of pump.



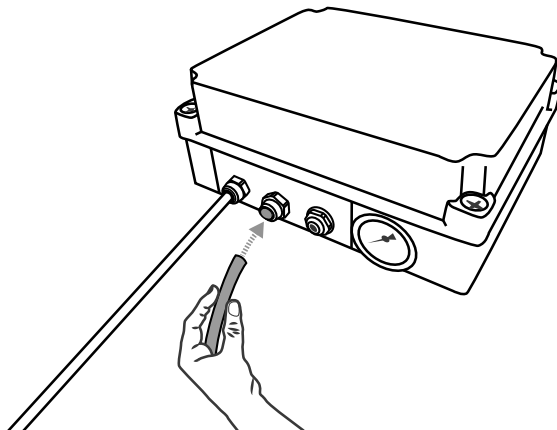
7

Connect the booster pump to the port labeled 'INLET' on the solenoid box using black tubing.



8

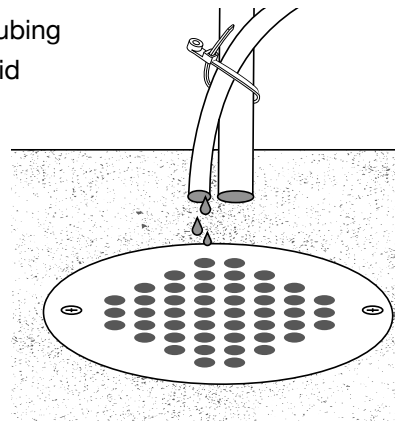
Connect the remaining black tubing to the port labeled 'DRAIN' on the solenoid box.



9

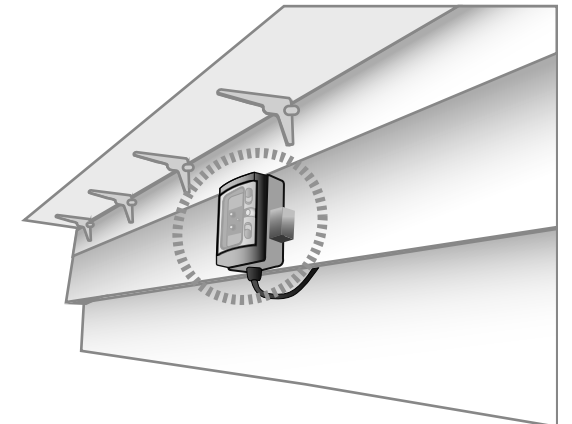
Run the drain line towards the floor drain under the case. Strap the black tubing to the existing drain lines using zip-ties.

Leave a 1in air gap between the black tubing and the drain to avoid contamination.



10

Mount the timer behind the display case (employee side).
Try and use shelf to protect the timer box.

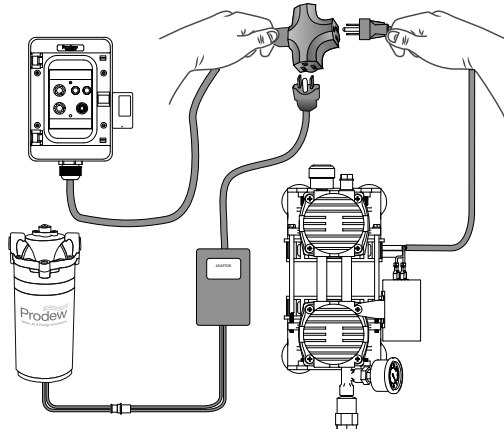


System Installation

11

Plug the 3-way adapter into the plug coming from the timer.

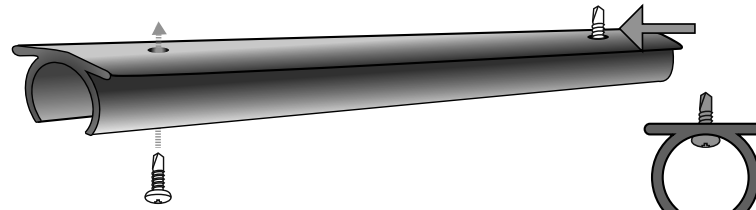
Plug the air compressor into one port of the 3-way, and plug the booster pump into another port.



12

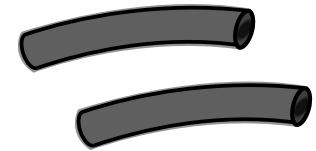
Insert provided screws into the holes in the clamp.

The screws should pass through from the inside so the threaded part is on the back side of the clamp.



13

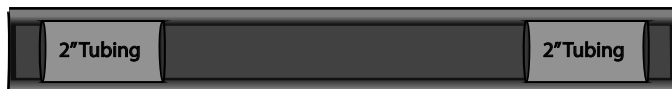
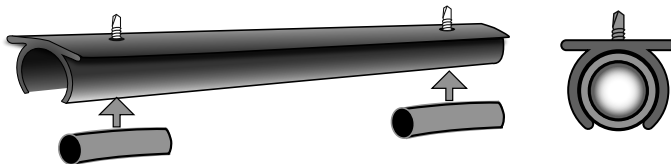
Cut 2in pieces of 3/4in tubing.



14

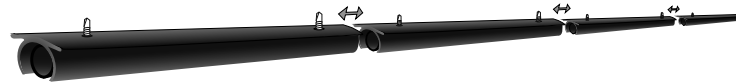
Insert 2in pieces of 3/4in tubing into the clip at the screw locations.

Tubing will both hold the screws into place and hold the heating cable (see step 16).



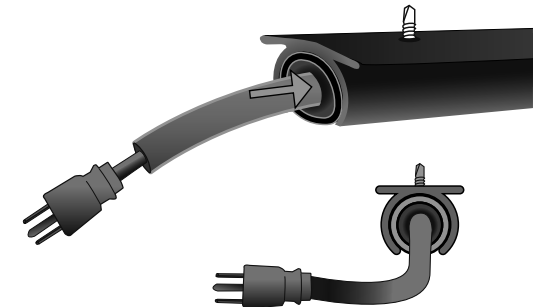
15

Lay out the clamps end-to-end.



16

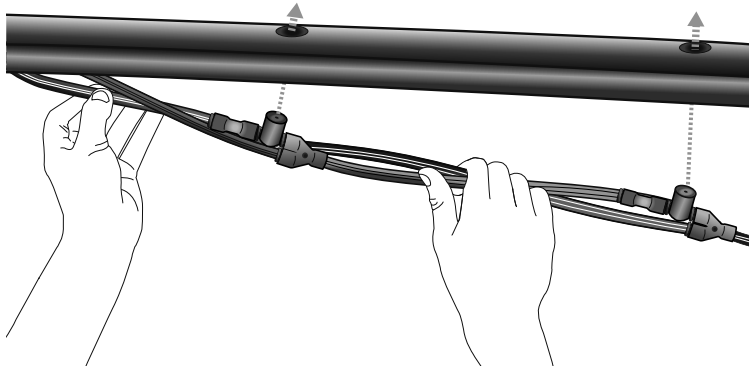
Slide the heating cable into the clamp going through the 2in pieces of 3/4in tubing.



System Installation

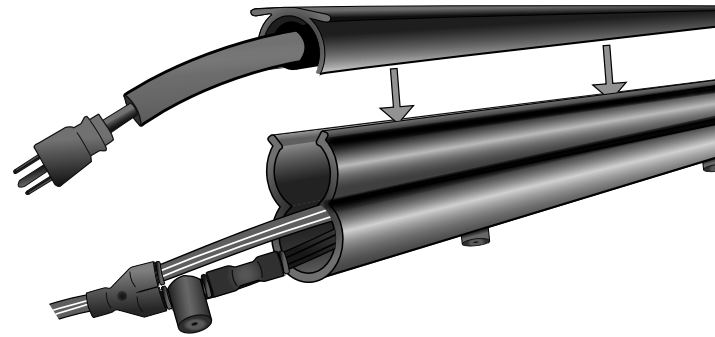
17

Insert the air and water lines into the cover with the nozzles through holes.



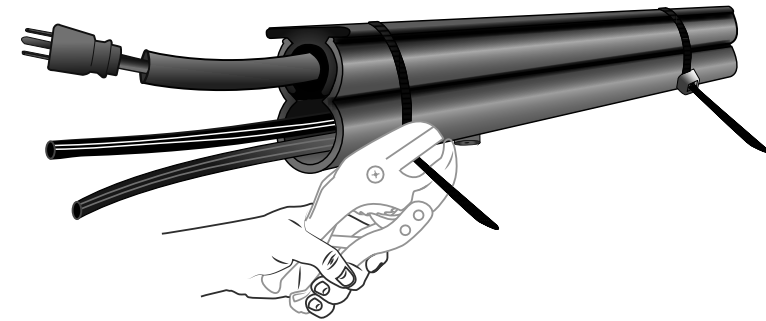
18

Clip the cover (with the FogMist™ nozzles and tubing) over the clamp (with the heating element).



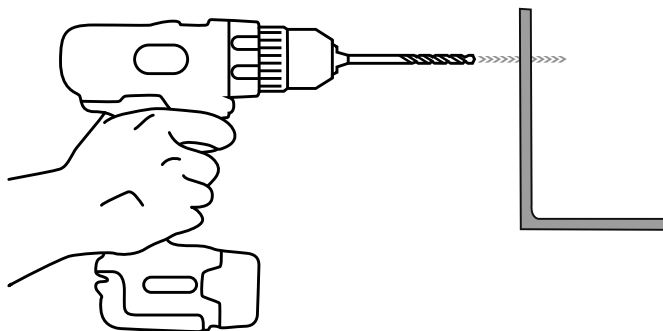
19

Zip-tie the cover over the clamp securely. Clip the zip-tie tails.



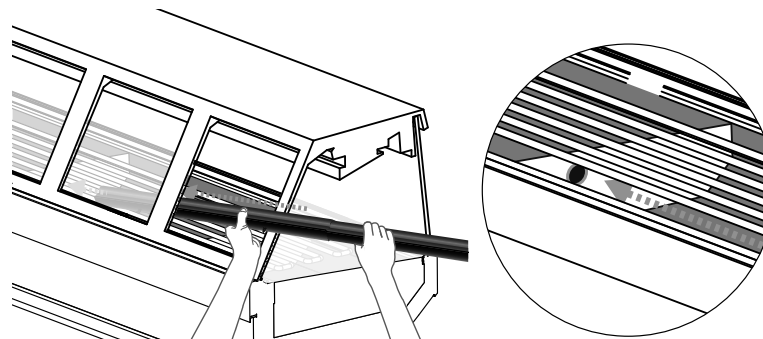
20

Drill holes with a 1/8in drill bit in the plastic brackets. Holes should be drilled so track is flush with the top of the bracket.



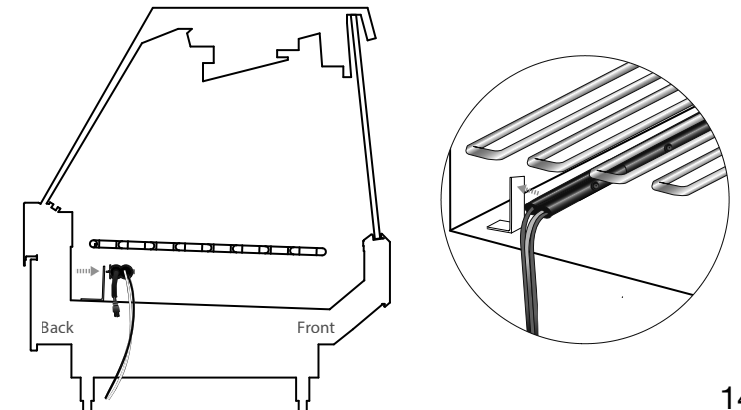
21

Slide the track assembly into the case. You will need to pass through the windows to get the track to the holes in the brackets that support the product trays.



22

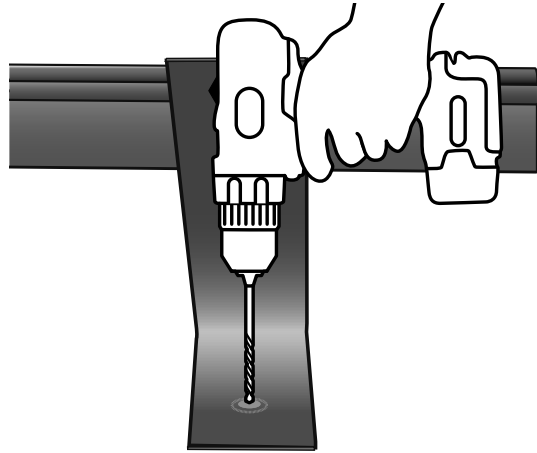
Line up the L brackets with the screws on the track for placement in the case. Bracket should mount under the bottom coils with the 'L' part facing towards the back of the case.



System Installation

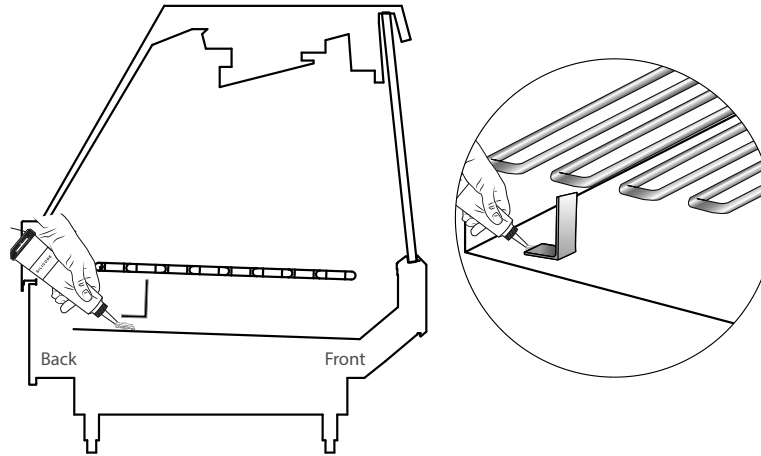
23

Pre-drill the hole for the screws in the bottom of the mounting bracket.



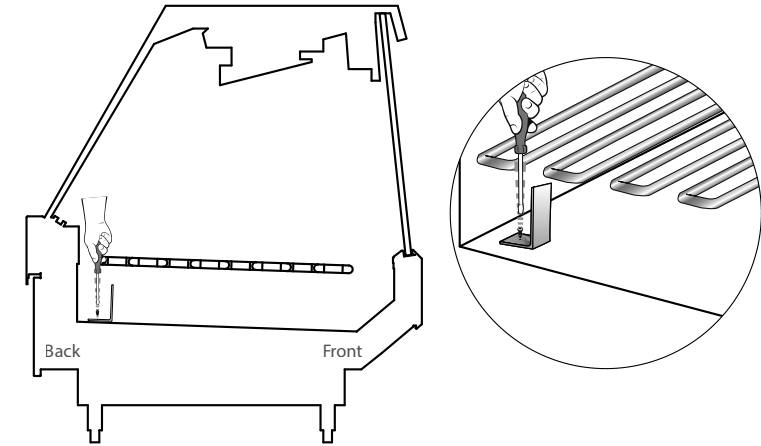
24

Apply silicone to the bottom of the brackets.



25

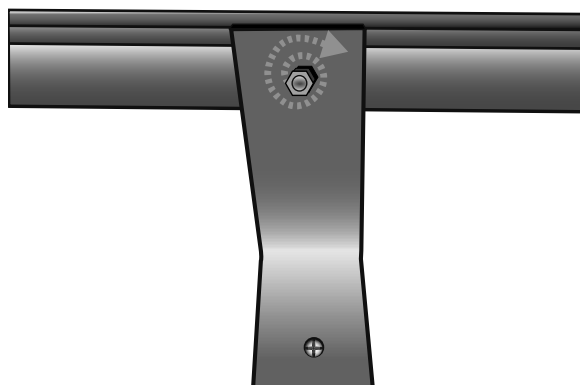
Use the stainless steel screws to mount the L brackets under the bottom coil.



26

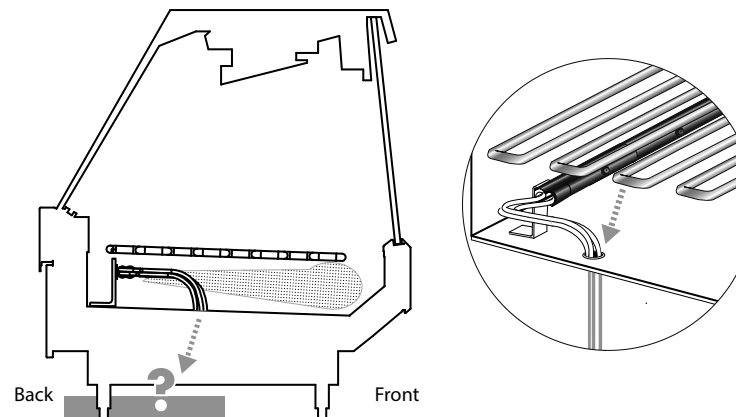
Secure the brackets to the back of the clamp.

Screws will spin when threading on the nut. Tighten enough that track is secured to the brackets. They do not need to be threaded tightly.



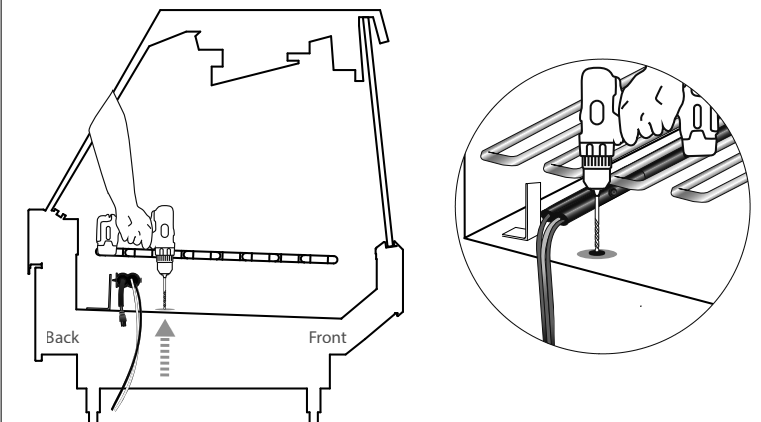
27

Decide the best way to route the tubing from the track to the controls under the case.



28

Drill a 5/8in hole in the drain pan of the case at the highest point on the employee side.



System Installation

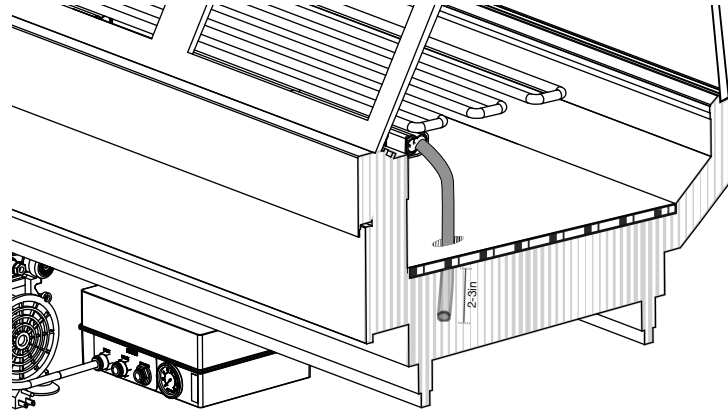
29

Locate the 3/4in black tubing. It will be used to protect the air and water lines.



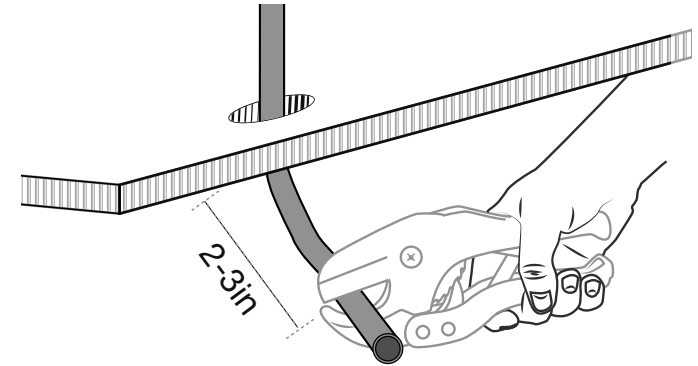
30

Place the 3/4in black tubing, ensuring that it starts at the track and ends 2-3in into the bottom area of the case.



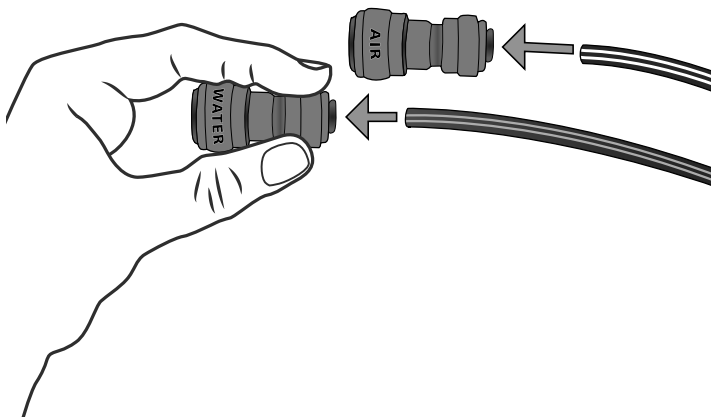
31

The 3/4in tubing should extend 2-3in into the bottom area of the case. Cut tubing to length.



32

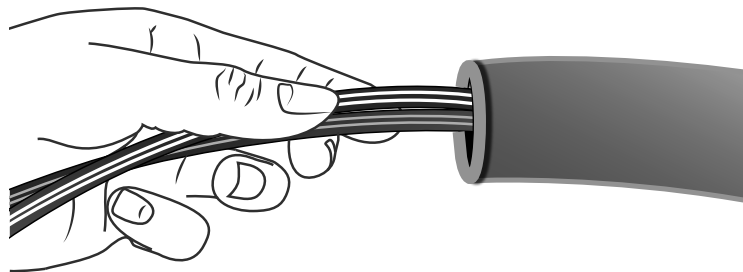
Remove the reducing couplers from the air and water lines.



33

Run the blue-striped water line and the white-striped air through the 3/4in black tubing.

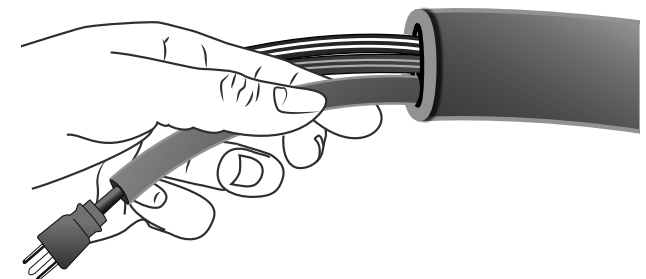
If needed, use soapy water as a lubricant to help run the lines through.



34

Run the heating element through the 3/4in black tubing (with the air and water lines).

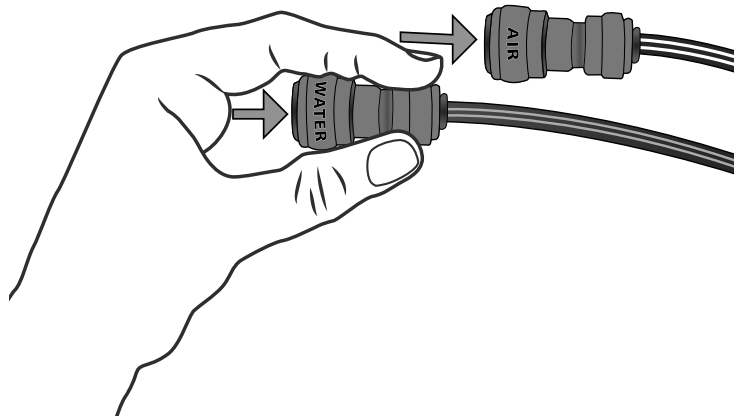
If needed, use soapy water as a lubricant to help run the lines through.



System Installation

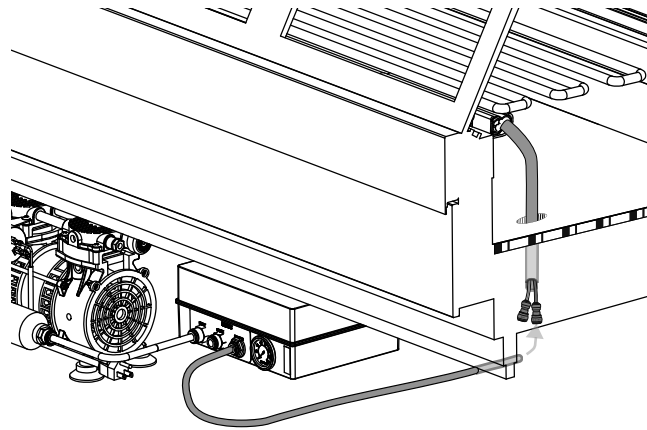
35

Reconnect the reducing couplers to the air and water lines.



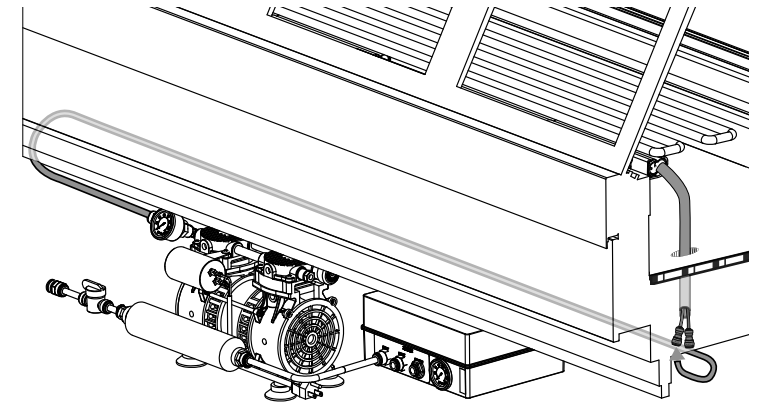
36

Run the 3/8in water line from the solenoid box to the 3/4in tubing. Cut to length. Connect it to the blue-striped water line.



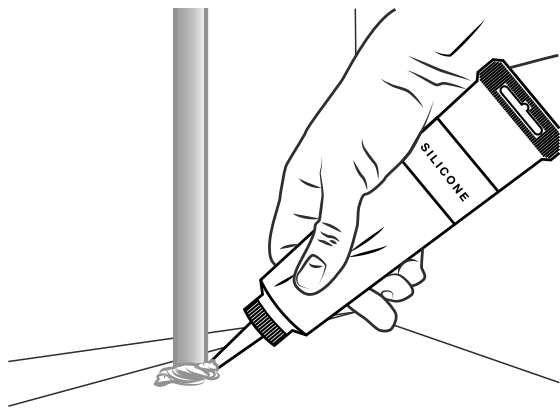
37

Run the 3/8in air line from the compressor to the 3/4in tubing. Cut to length. Connect it to the white-striped air line.



38

Fill all voids around the 1/2in black tubing in the pan with silicone to avoid leaks.



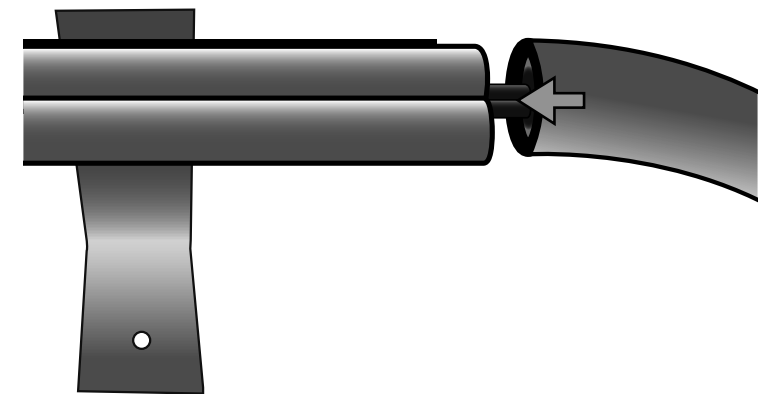
39

Locate the section of black foam tubing that will be used to insulate the air and water lines where needed.



40

Wrap insulation around the feed lines. Insulation should extend from the track to the hole in the case.

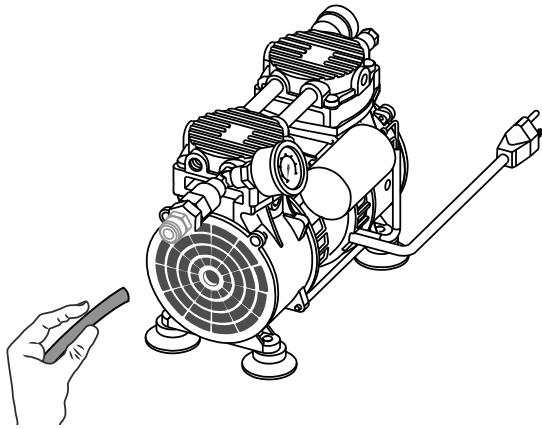


System Installation

41

Connect the 3/8in black air line to the air compressor.

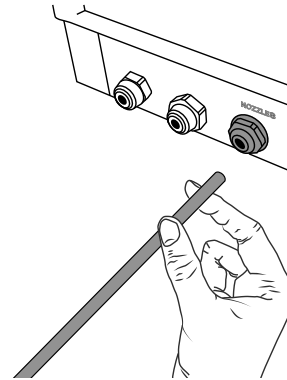
Use a minimum of 3ft of tubing.



42

Connect the 3/8in water line to the port labeled 'NOZZLES' on the solenoid box.

Cut to length.



43

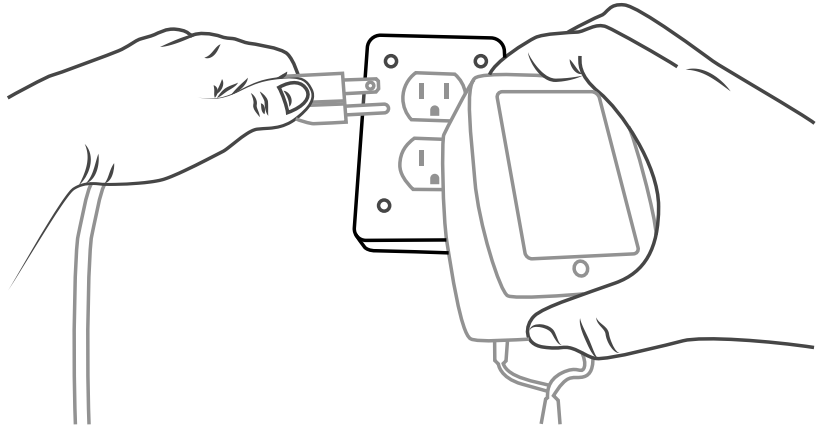
Double check to ensure track is secured and all air and water connections are tight.

Proceed to start-up procedures.

Start-up Procedures

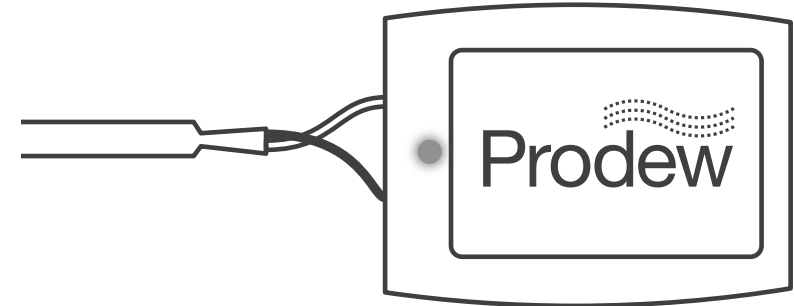
1

Plug in the timer 110V and the transformer male port into the outlet.



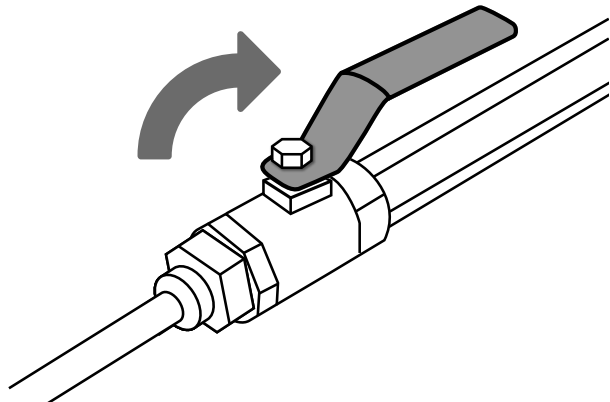
2

The transformer light should turn green, indicating that the transformer is getting power.



3

Turn the main water on.



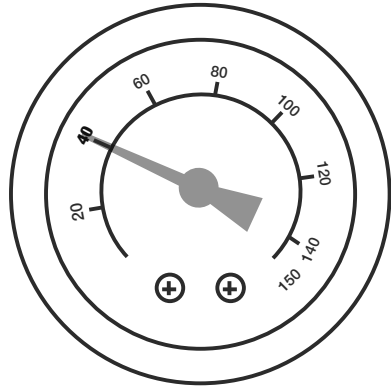
4

Confirm that the water supply has pressure and volume, and that everything is plugged in and connected.



Start-up Procedures

5

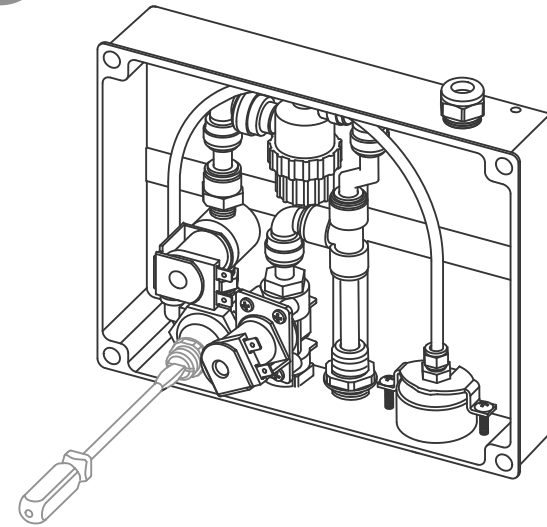


Turn on the water valve and check the inlet pressure by looking at the solenoid box gauge.

It should be 40PSI.

If it is not 40PSI, continue to step 6.
If it is 40PSI, skip to step 7.

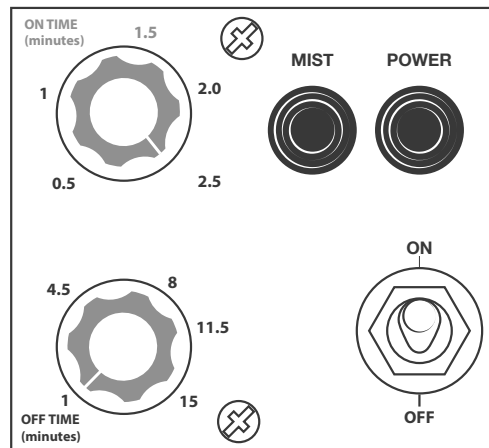
6



If the incoming water pressure is not 40PSI, adjust the pressure by opening the solenoid box and rotating the black knob by hand or screw driver.

Increase water pressure to increase fog density.

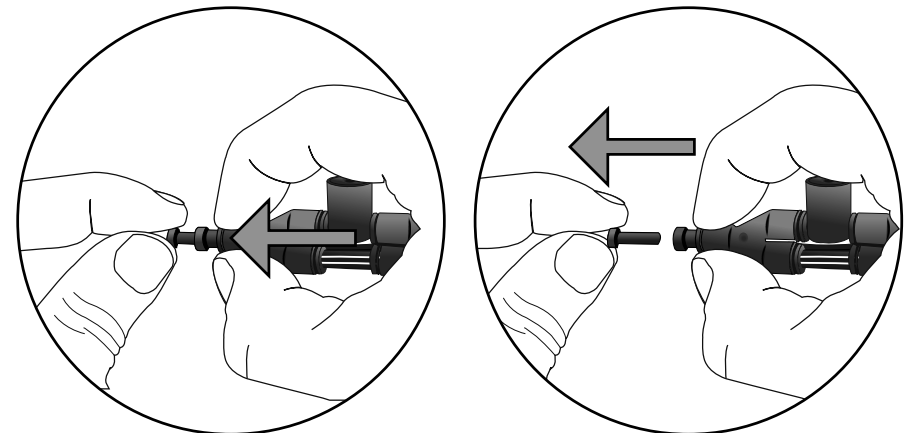
7



Set the OFF time to its minimum (0.5 min) and turn the ON time to its maximum (2.5 min) setting.

8

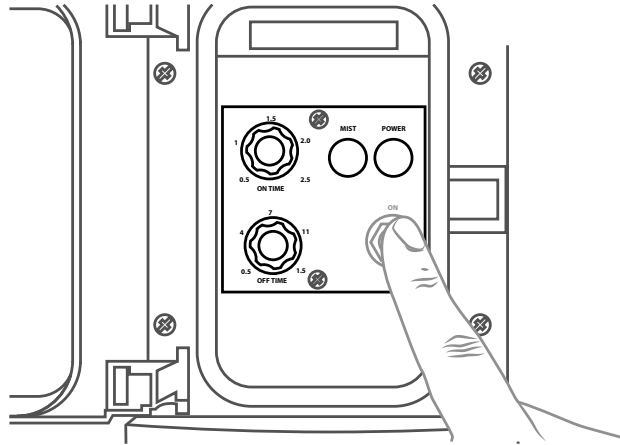
Remove the stem plugs from the air and water lines at the end of the line where the last nozzle is located.



Start-up Procedures

9

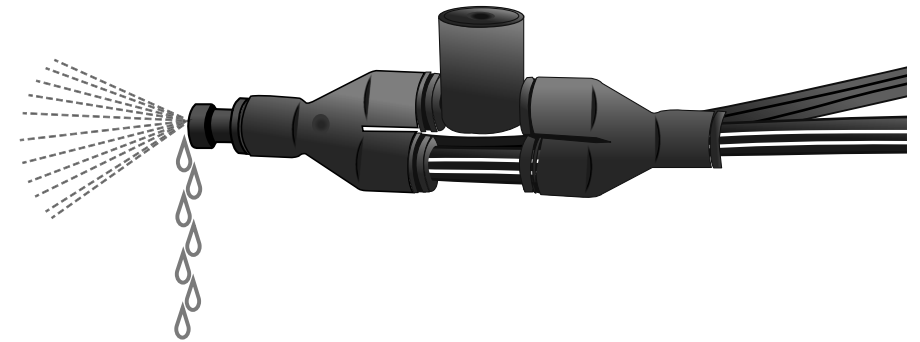
Turn the ON/OFF switch on the timer box to the ON position. The air compressor should start after 5 seconds.



10

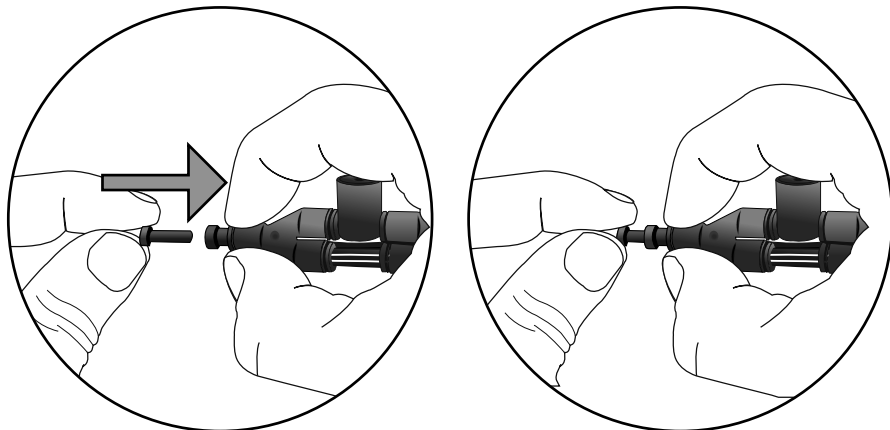
Flush the lines for one cycle set to the maximum settings.

This ensures that no particles, liquid Teflon, Teflon tape, or any other foreign matter is present in the system.



11

Replace the air and water line plugs.

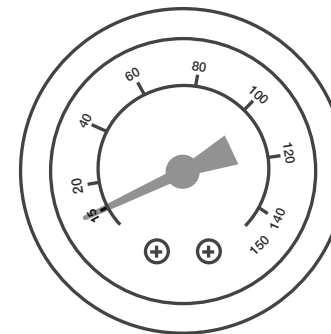


12

Check the air pressure by looking at the gauge on the air compressor.

It should read 15-20PSI. Higher air pressure is preferred, but not to exceed 20PSI.

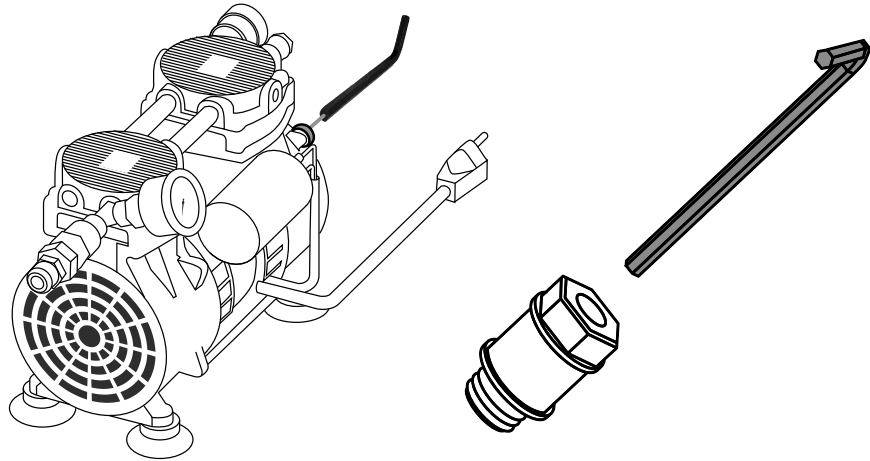
If it is not 15-20PSI, continue to step 13. If it is 15-20PSI, skip to step 14.



Start-up Procedures

13

If the air pressure is not 15-20PSI, adjust the air pressure on the air compressor with a 5/32in allen wrench.



14

Let the system run for several cycles until all the nozzles produce fog.

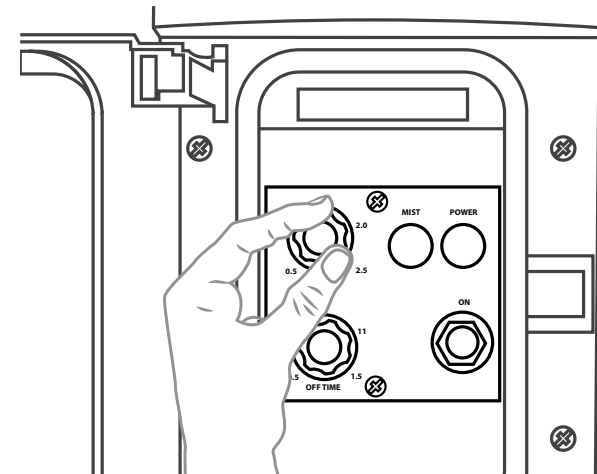
15



Check for leaks and ensure that proper fog is coming from the FogMist™ Track.

16

Set the timer to the recommended settings.



See page 23 for settings.

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.

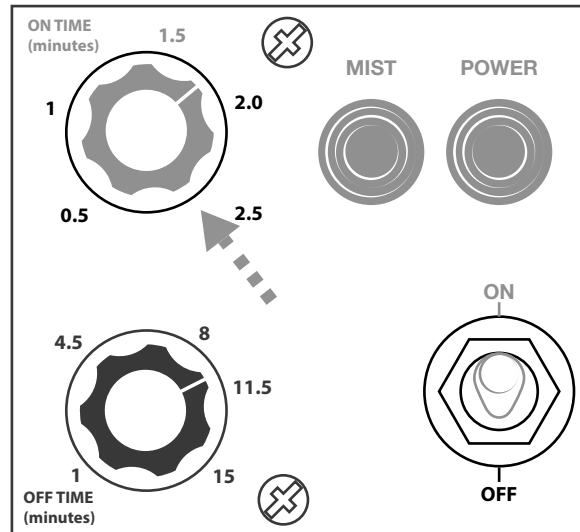
Factory Presets

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

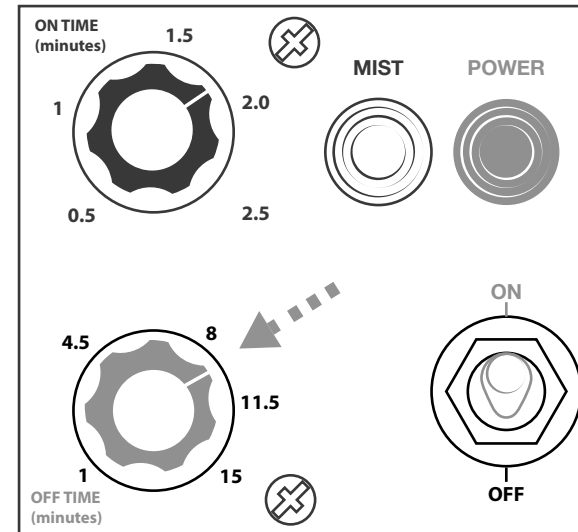
The recommended cycle times are preset at our manufacturing facility.

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

Notes

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 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