

System Installation Manual

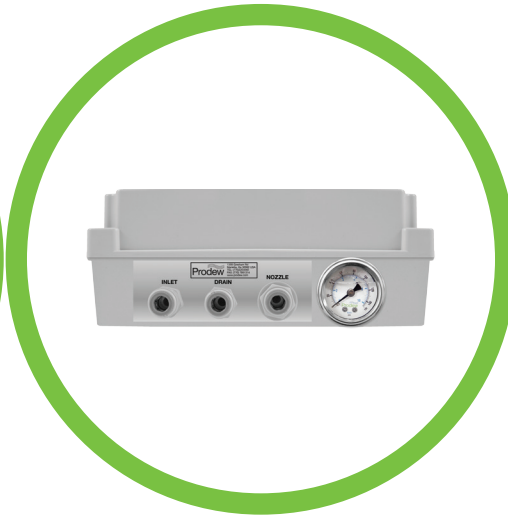
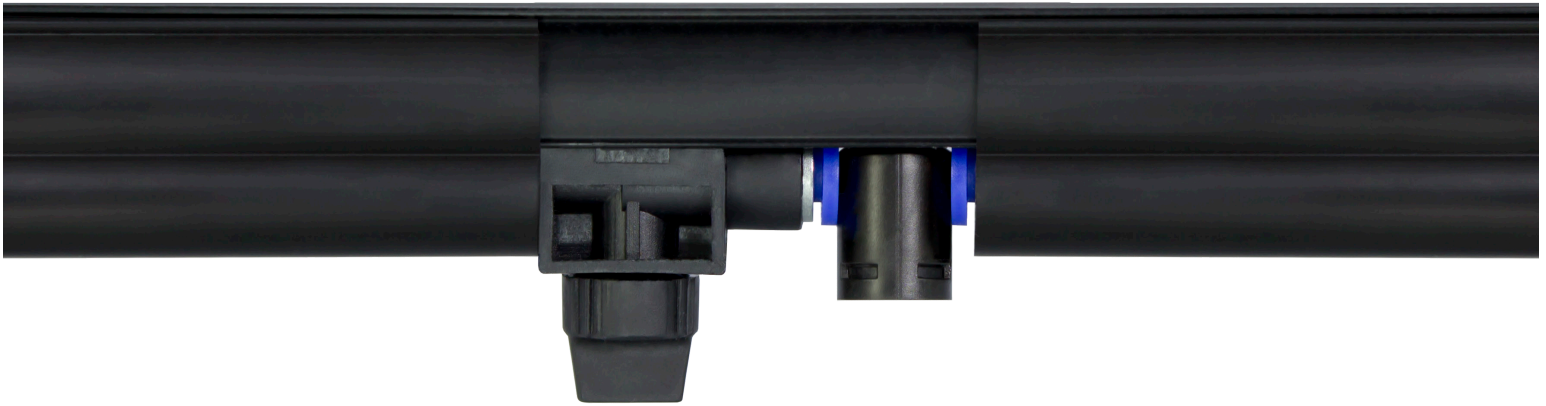





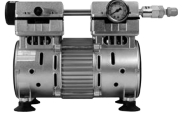






Table of Contents

Packing List	3
Utility Requirements	4
Quick Connect Fitting Assembly	5
System Layout	6
Air Compressor Kit Diagram	7
Track Breakdown	8
Track Mounting Options	9
Installation Instructions	10 - 11
Start-up Procedure	12
Timer Settings	13
System Warranty	14

If there is any information in this manual that is unclear, please let us know so we can revise future editions.

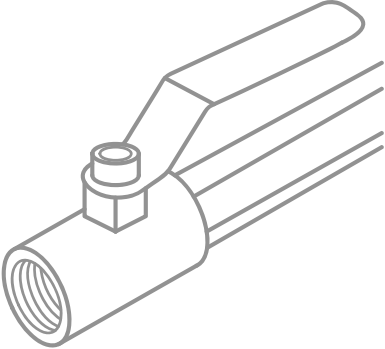
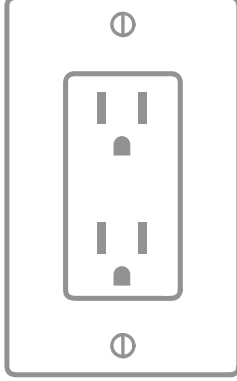

Contact our Customer Service department with your suggested edits: sales@prodew.com or 770.420.3060

Packing List

Quantity	Description	Images
1	Timer Box with Transformer and 110V Plug	
1	Solenoid Box	
VARIES	FogMist™ Track Line	
1	Air Compressor Kit	
1	Sediment Filter (5 Micron) with Ball Valve	
VARIES	3/8in Air/Water Supply Polypropylene Tubing	
VARIES	5/8in Corrugated Tubing	
VARIES	8in Zip Ties	
VARIES	Track Cover	
VARIES	Clamp Lock	

Utility Requirements

THE FOLLOWING MUST BE IN PLACE BEFORE OUR INSTALLERS ARRIVE ON LOCATION

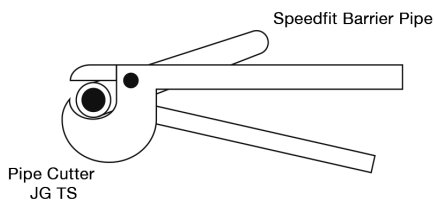
Water	Power	Drain
		
<ul style="list-style-type: none"> • <u>Dedicated water supply:</u> 1/2in female NPT adapter with ball valve • Easily accessible and near the case • Minimum inlet pressure of 30 PSI 	<ul style="list-style-type: none"> • <u>2-plug outlet:</u> 110/220VAC 60/50Hz 20Amp • Easily accessible and near cases or location of control box 	<ul style="list-style-type: none"> • <u>Floor drain:</u> Minimum 3/4in for waste water or a 1/2in drain pipe • Easily accessible and near cases or location of control box

Quick Connect Fitting Assembly

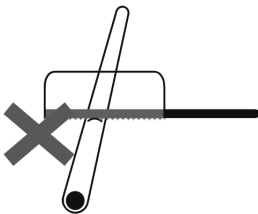
Note: Fittings and pipe should be kept clean, bagged and undamaged before use.

1 Prepare the connection

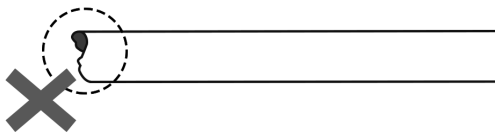
Cut the pipe square with a pipe cutter ensuring it is free of score marks. When using speedfit barrier pipe, cut along an insertion mark. For soft or thin walled plastic pipe we recommend the use of a tube insert or pipe insert.



Note: Do NOT use a hacksaw.

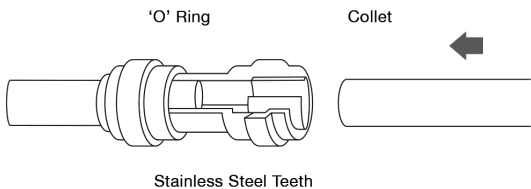


Note: To avoid damage to the O-ring, make sure burrs and sharp edges are removed.



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

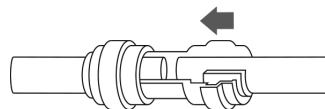
Do not insert fingers into the fitting as the stainless steel teeth may cause injury.



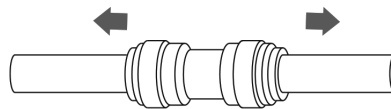
2 Assemble the Connection

Connecting standard Quick-Connect fittings.

Push up to pipe stop.

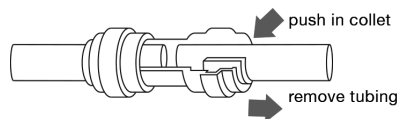


Push the tubing into the fitting, to the tubing stop. The collet (gripper) has stainless teeth which hold the tubing firmly in position whilst the 'O' ring provides a permanent leak-proof seal. Pull to check it is secure.



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.



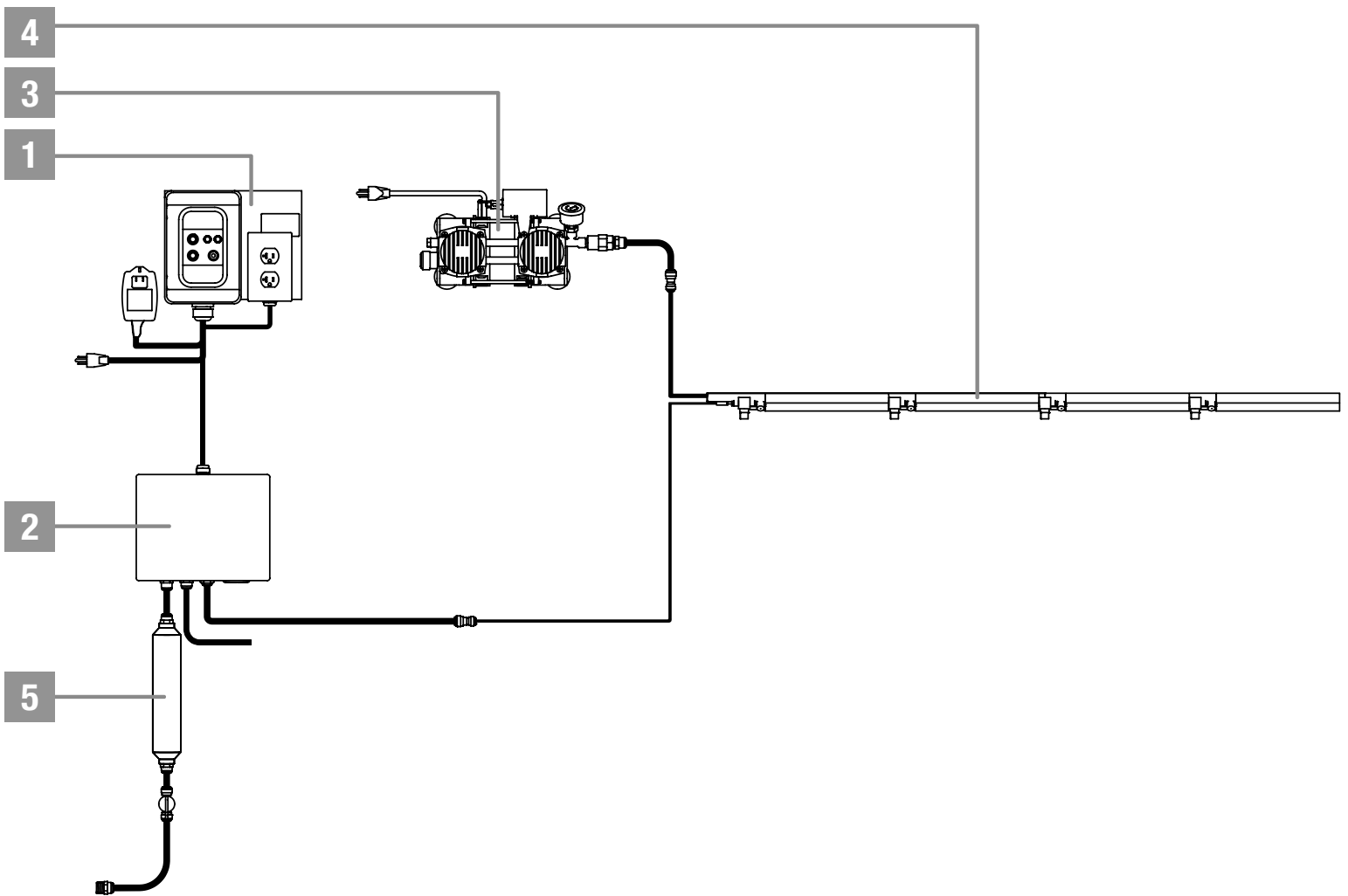
Ensure system is depressurized before removing fittings. Push in the collet against the face of the fitting. With the collet held in this position the pipe can be removed. The fitting can then be reused.

3 Verify the connection

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

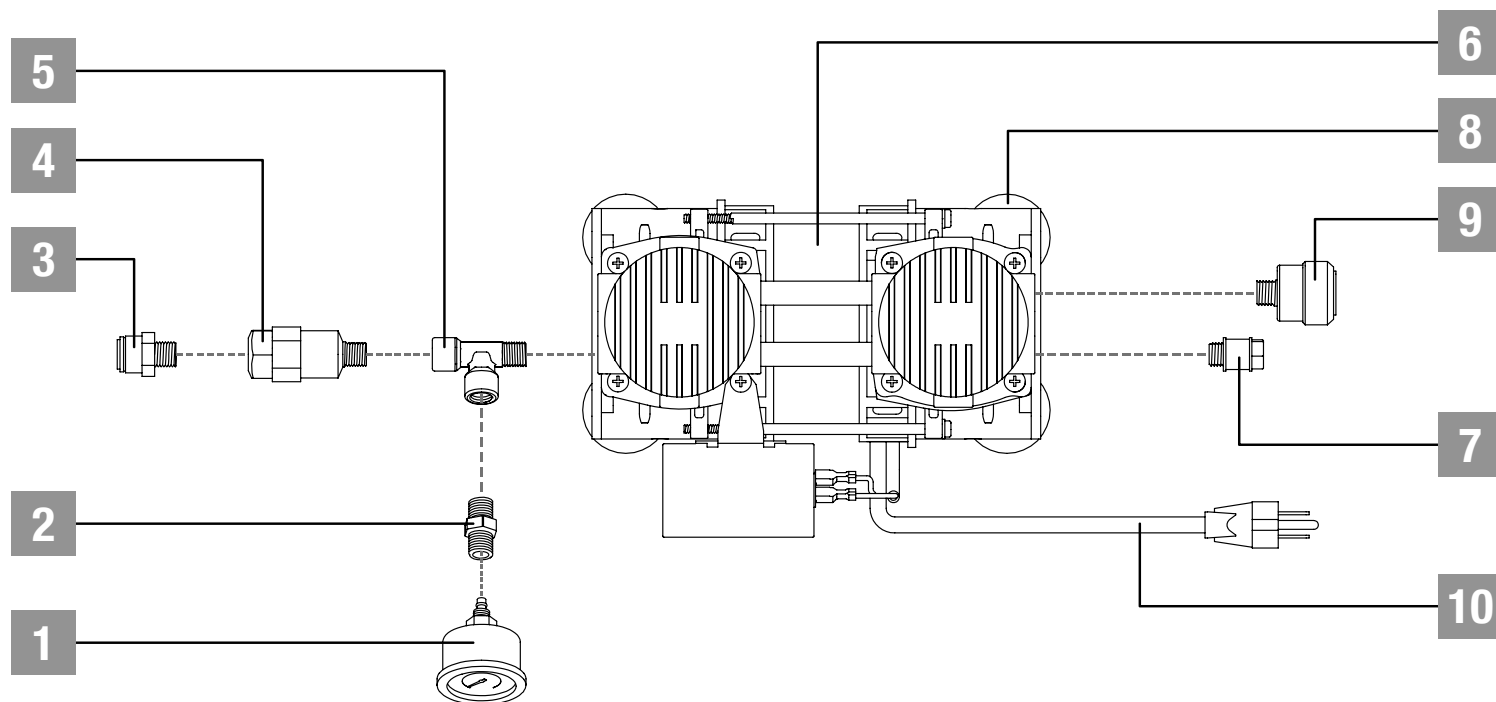
System Layout

ITEM NUMBER	PART NUMBER	DESCRIPTION	QUANTITY
1	HTIM001-110C10	Timer, 110VAC - Premium	1
2	HSOLBX-PRM-A-FOG	Humidity Solenoid Box - Premium	1
3	HCOM001-2HD-FOG	Air Compressor, Double Head, 110VAC	1
4	FMTRC38-4BLK	FogMist™ Track, 4ft - Black	1
5	2FIL-ENCAP-S10-05	Filter, Sediment 10in - 5 mic	1



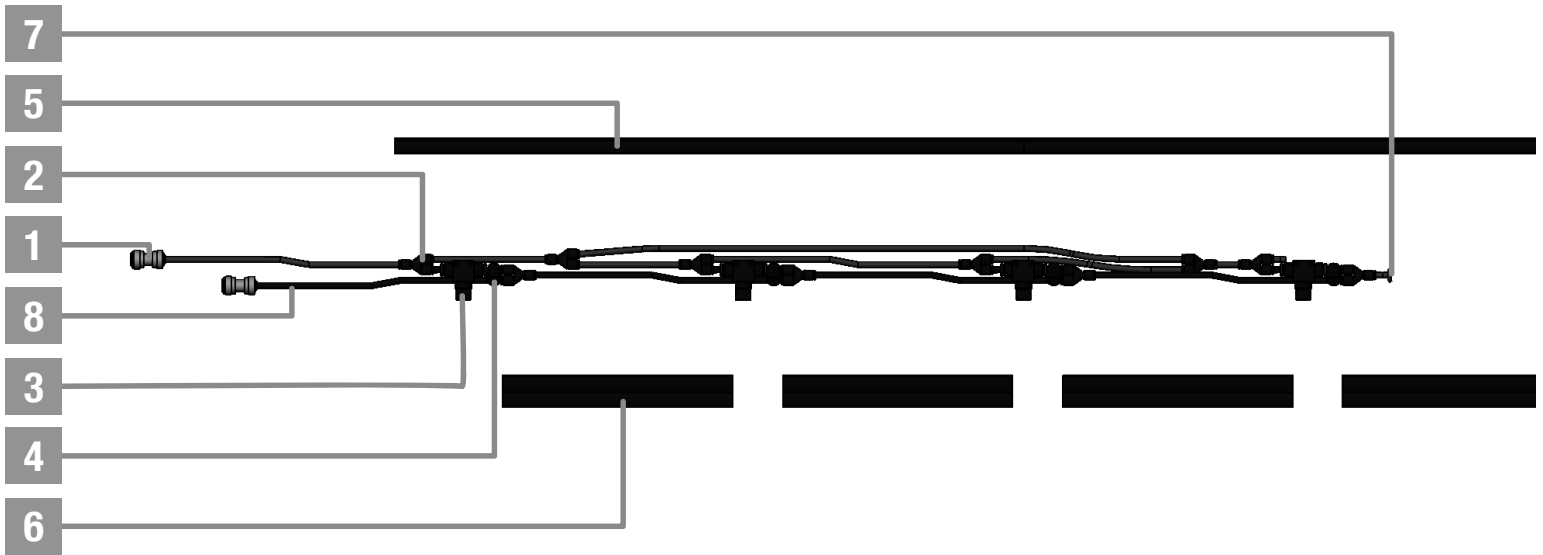
Air Compressor Kit Diagram

ITEM NUMBER	PART NUMBER	DESCRIPTION	QUANTITY
1	2GAU006	Gauge 1.5 inch 1/4 inch NPT, 0-160	1
2	2PBSHM14F18-B	Bushing, 1/4 inch M x 1/8 inch F - Plastic	1
3	2PMCQ38M14	M Con, 3/8 inch QC x 1/4 inch MPT	1
4	2AFIL-INL14-5MIC	Air Filter 1/4 inch FNPT 5 mic	1
5	2MSTF14F14M14	Straight Tee 1/4 inch, MTL	1
6	1COM002	Air Compressor, Dbl Hd, 110VAC	1
7	2FCVAL-M14	Air Flow Control Valve 1/4 inch NPT	1
8	3CLPHUM003	Suction Cup, w/ 8-32 MS Insert	4
9	2AFIL003	Air Intake Filter 1/4 inch NPT	1
10	1WIR050	Wire, 16/3 Extension Cord	1

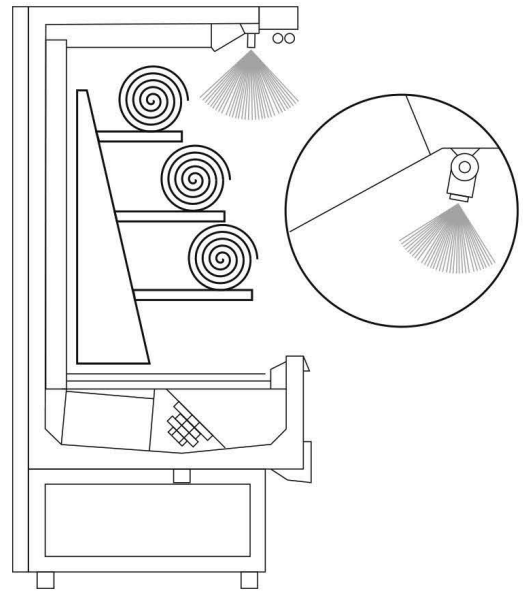
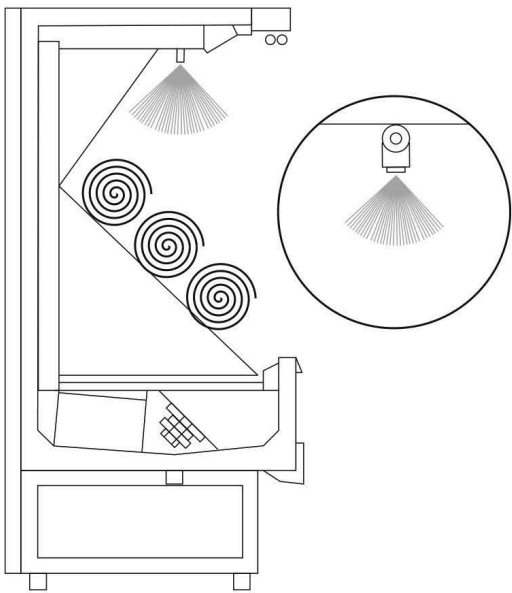
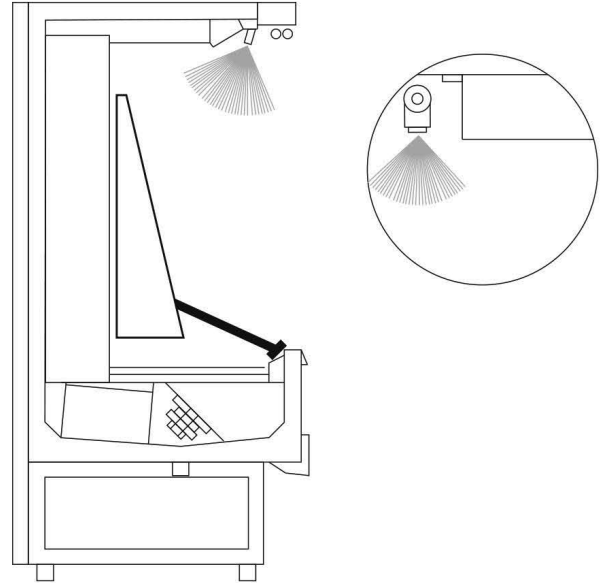
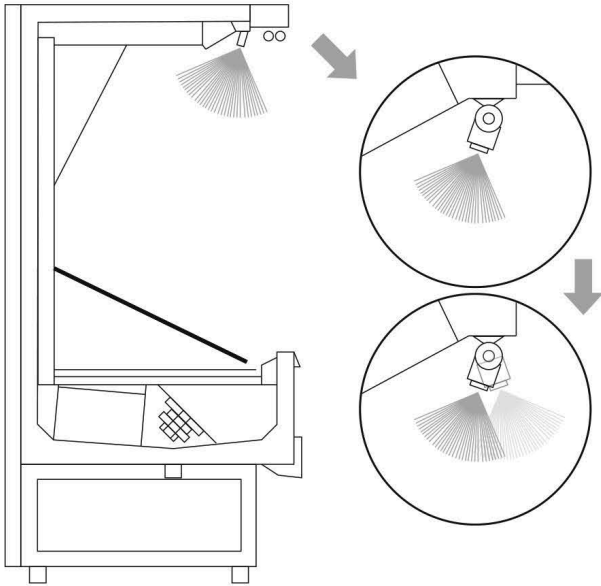


Track Breakdown

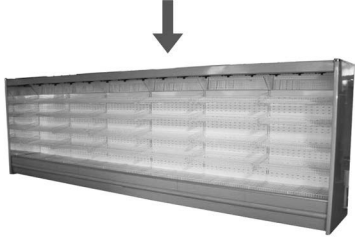


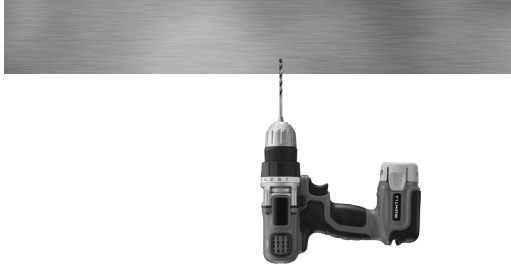
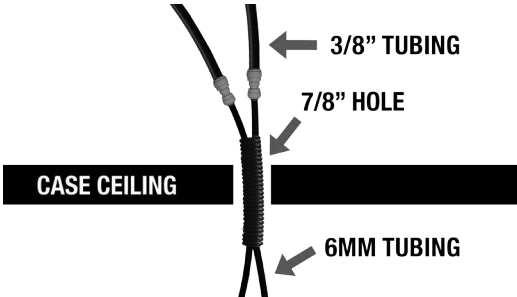
ITEM NUMBER	PART NUMBER	DESCRIPTION	QUANTITY
1	2PURQ38Q14	Poly, Union Red 3/8in Q x 1/4in Q	2
2	2P2WDIVQ6-2XQ6	2-Way Divider, 6mm Q-2 x 6mm QA2	10
3	2VALQ6	Straight Valve 6mm x 6mm	4
4	FMSPR-4W6A-BL38T	Spray Head, FogMist™ 4mm x 6mm Stem	4
5	3CLP388B	Clamp, 388 - Black	1
6	3CLPCOV03-B	C-Clamp Cover 9.75in	4
7	2PSP6-R	Red Stem Plug	2
8	2TUB6O-4I-B	Tubing, 6mm OD Poly - Black	_____



Track Mounting Options



Installation Instructions

Instructions	Images
<p>STEP 1</p> <ul style="list-style-type: none"> • Mount the mist control box, air compressor, and timer box at the center of the area being misted on top of the case. • Other mounting locations can be used. 	
<p>STEP 2</p> <ul style="list-style-type: none"> • Mount the clamp lock into the case ceiling in the area to be fogged with the provided screws. • Preferably inside the air curtain. • Use the Track Mounting Options on page 6 for location ideas. 	
<p>STEP 3</p> <ul style="list-style-type: none"> • Spread the lines across the area which needs fogging. • Use 3/4in tubing on the track line to hold the lines into the clamp (try not to twist the lines as you install). • For two or more sets of lines, the feed location should be together for two lines. • Once the lines are held in place, ensuring that all tubing fits into the clamp. • The covers will fit in between the nozzle and shutoff valves (some trimming and cutting may be needed for feed lines). 	
<p>STEP 4</p> <ul style="list-style-type: none"> • Drill a hole for the feed lines in the case ceiling behind the track (approximately 6in). • Ensure that no water, air, electrical or refrigerated lines are in the way. • Insert a piece of corrugated tubing into the hole. 	
<p>STEP 5</p> <ul style="list-style-type: none"> • Run the 6mm air and water tubing through the corrugated tubing. Cut to length. • Connect the 6mm air and water tubing to the 3/8in air and water tubing using the 3/8in to 6mm reducing coupler. 	 <p>Labels in diagram: 3/8" TUBING, 7/8" HOLE, CASE CEILING, 6MM TUBING</p>

Installation Instructions (Continued)

Instructions	Images
<p>STEP 6</p> <ul style="list-style-type: none"> • Attach the 3/8in water tubing to the port labeled “NOZZLE” on the mist control box. • Run the 3/8in water tubing to the 7/8in drilled hole in the case ceiling. Cut to length for the canopy. • The feed’s under-shelf lines will be cut at shelf locations. *Additional tracks will use 3/8in fittings to split water and air feeds. 	
<p>STEP 7</p> <ul style="list-style-type: none"> • Locate the 3/8in black tubing. There should be a 1/2in male connector attached to one end. • Apply Teflon tape to the male connector. • Thread the male connector into the city water supply ball valve. 	
<p>STEP 8</p> <ul style="list-style-type: none"> • Connect the 3/8in black tubing coming out of the water supply to the inline filter at the ball valve. Cut to length. • Flush the filter into the drain for 2 minutes. • Connect the inline filter to the solenoid box port labeled “WATER INLET”. • Strap the inline filter and the connecting lines using zip ties. 	
<p>STEP 9</p> <ul style="list-style-type: none"> • Connect 3/8in black tubing to the mist control box port labeled “DRAIN”. • Run the drain line down towards the floor drain. Cut to length. • Strap the 3/8in black tubing to the existing drain lines using zip ties. • Leave 1in air gap in between the 3/8in black tubing and the drain to avoid contamination. 	
<p>STEP 10</p> <ul style="list-style-type: none"> • Run the air line from the air compressor to the track using the 3/8in tubing. • Use a 3/8in to 6mm reducing fitting on the track line to make the connection. 	

Start-up Procedure

1. Plug in the air compressor(s) into the outlet on the timer box. Plug the timer's 110V plug and transformer into the city power supply outlet.
2. Ensure that you have water and power.
3. Confirm that everything is plugged in and connected.
4. 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 (See Image 1 below).
5. 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 10)
6. Flip the toggle switch on the timer box to ON position. The air compressor should start after 5 seconds. Flush one cycle and then replace the plugs.
7. 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 (See Image 2 below).
8. Let the system run for several cycles until all nozzles are spraying.
9. Check for leaks and ensure proper mist pattern. Ensure all nozzles are spraying. If not, see Troubleshooting Guide.
10. Set the timer to recommended settings (See Recommended Timer Settings - pg 10). System is ready for use.

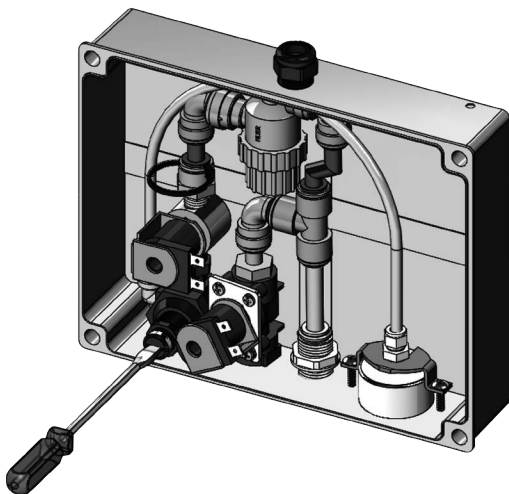


Image 1



Image 2

Timer Adjustment

- The recommended settings are preset at our manufacturing facility.
- **ONLY** change the settings if there is too much or too little mist.
- Start with adjusting the off time first and then the on time.

Recommended Timer Settings

Settings	Time
ON TIME (Amount of time fog is being produced)	1.5 minutes
OFF TIME (Amount of time between fogging)	8 minutes

Steps to Set the Timer

- The recommended cycle times are preset at our manufacturing facility
- If repairs or changes have been made to the control box, pressure tank, or water feeds, we recommend that you flush the lines to ensure that no particles, liquid Teflon, Teflon tape, pipe dope, or any other foreign matter is present in the system.

Instructions	Images
<ul style="list-style-type: none"> • 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. 	

FogMist™ 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.

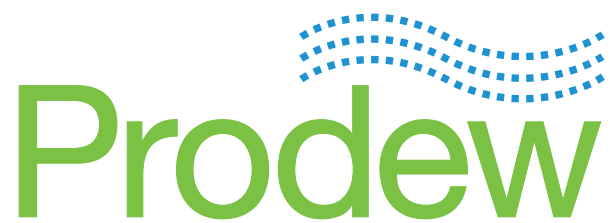
LIMITED WARRANTY AND EXCLUSION OF REMEDIES

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.



Water, Air & Energy Innovations

toll free help line: 866.677.6339

engineering & parts: 770.420.3060

www.prodew.com | sales@prodew.com