

Icenerator

installation manual for rapid ice-melting system

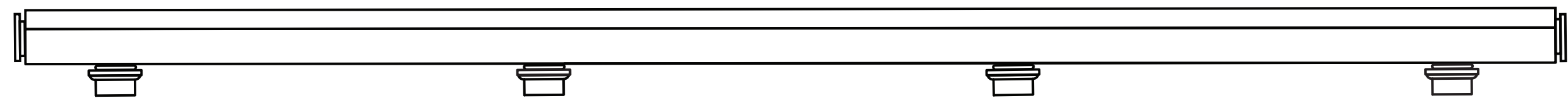


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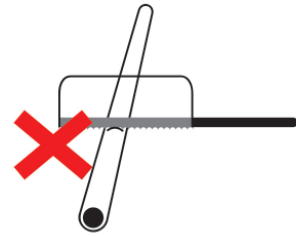
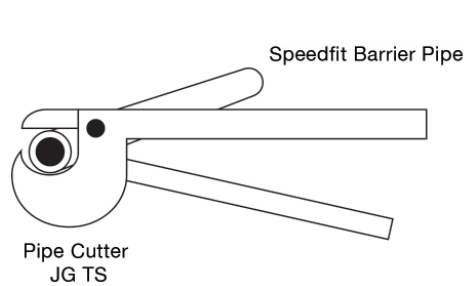
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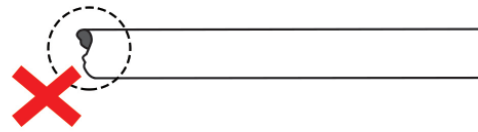
Quick Connect Fitting Assembly

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.



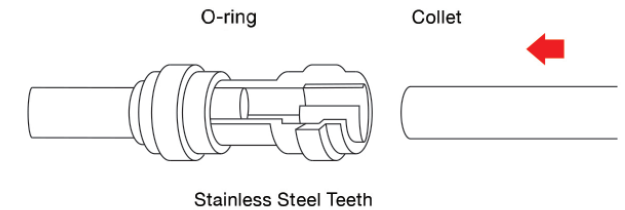
Note: Do NOT use a hacksaw.



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.

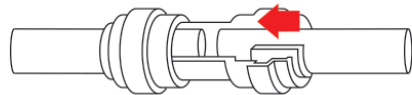
Do not insert fingers into the fitting as the stainless steel teeth may cause injury.



2 Assemble the Connection

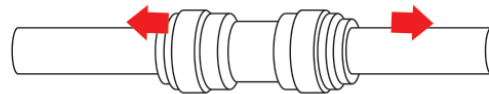
Connecting standard Quick-Connect fittings.

Push up to pipe stop.

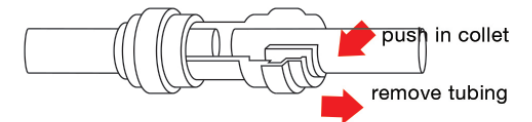


Push the tubing into the fitting, to the tubing stop. The collet (gripper) has stainless teeth which hold the tubing firmly in position whilst the O-ring provides a permanent leak-proof seal. Pull to check if it is secure.

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.

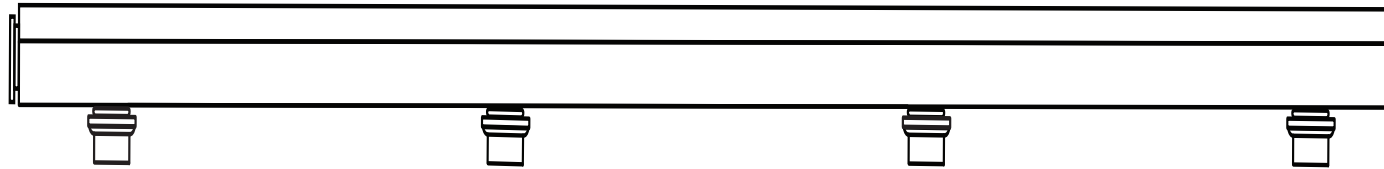
3 Verify the connection

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

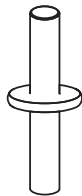
Note: Fittings and pipe should be kept clean, bagged, and undamaged before use.

Package Contents

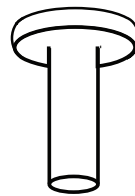
Icenator Bars
(MTRCOAS12-4'B)



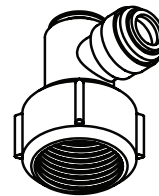
stem union
(2PUSP38)



stem plug
(2PSP38)



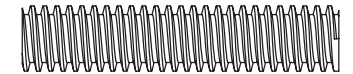
hose connector
(2PSEQ38F34)



mounting bracket
(3CLPOASB-N)



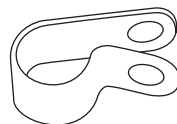
1/2" x 6" Protective
Corrugated Tubing
(2TUB-COR-12ID-B-SLT)



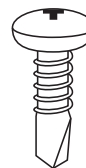
8in Zip-Ties
(3TIE7)



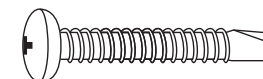
3/8in Clips
(3CLPCAB-38)



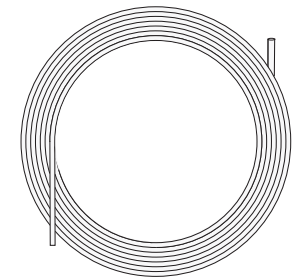
Stainless
Steel Screws
(3FAS002)



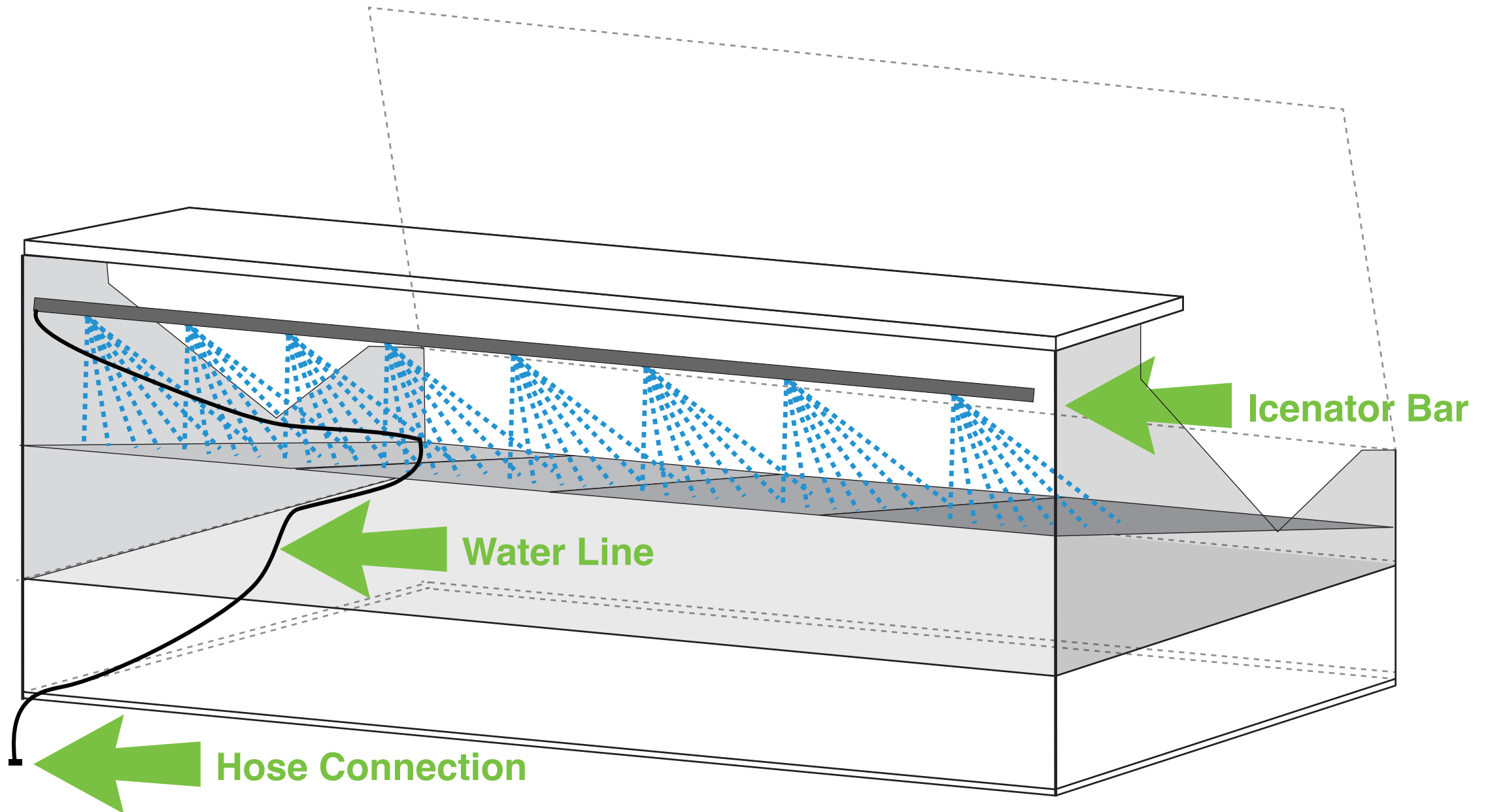
Stainless Steel
Self Drilling
Screws for bars
mounting
#6 x 1.25"
(3FAS073-SS)



3/8in tubing

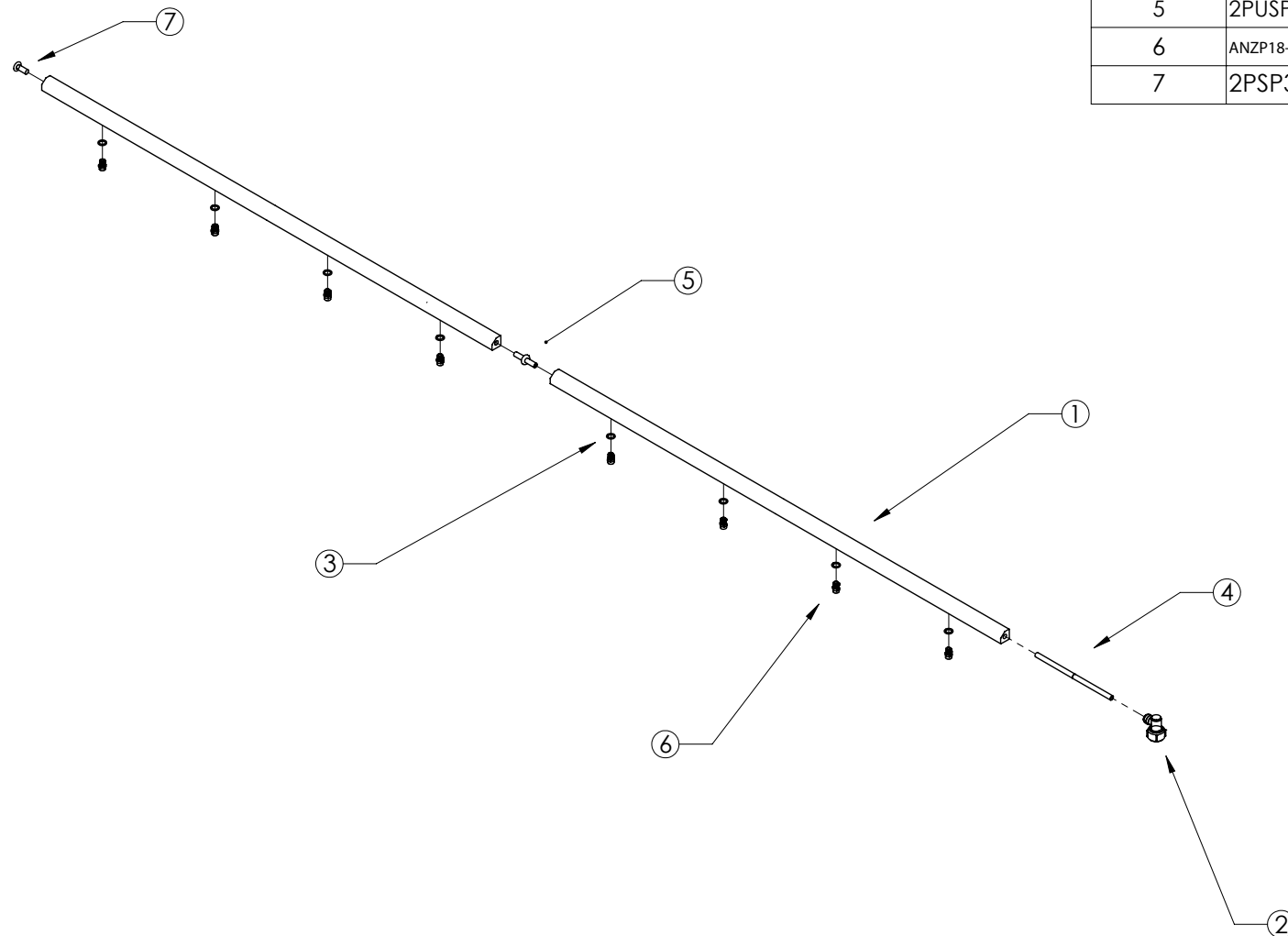


System Layout



Icenator Bar Parts Breakdown

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MTRCOAS12-4'B	TRACK, OASIS 12" CENTER-4FT BLACK	2
2	2PSEQ38F34	3/8 quick connect X 3/4 hose connection	1
3	2ORN-110	O-Ring, 43-110 BUNA	8
4	TUBE	3/8 tube	1
5	2PUSP38	Stem Union, 3/8	1
6	ANZP18-10-080B-CV	Nozzle	8
7	2PSP38	Stem Plug	1



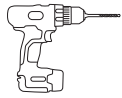
System Installation

IMPORTANT

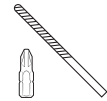


FLUSH THE CITY WATER LINE FOR 3-4 MINUTES BEFORE CONNECTING TO OUR WATER LINE.

Tools Required



Drill



Misc Drill Bits & Drivers



Tube Cutter



Screw Drivers

Equipment Required

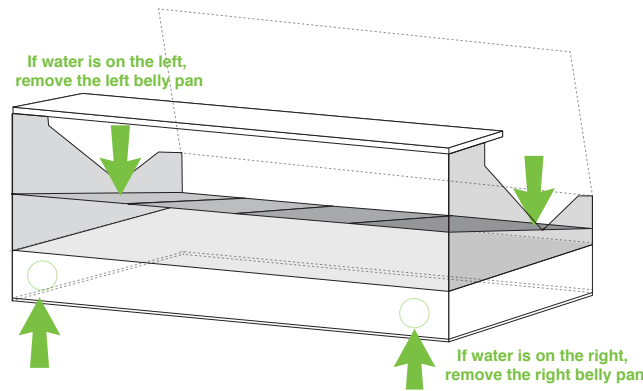


Teflon Tape

1

Decide what side the water line will be going into the case.

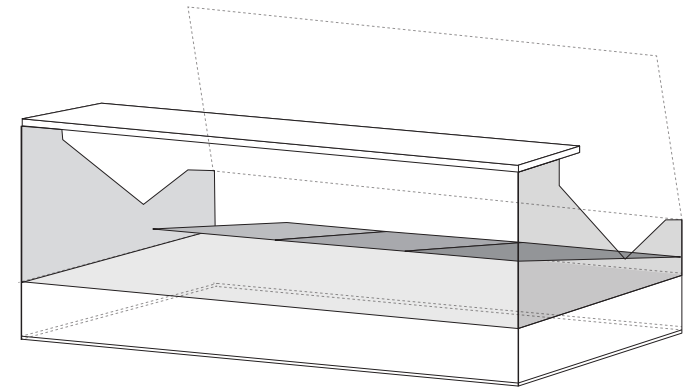
If it will be on the left, remove the left belly pan.
If it will be on the right, remove the right belly pan.



2

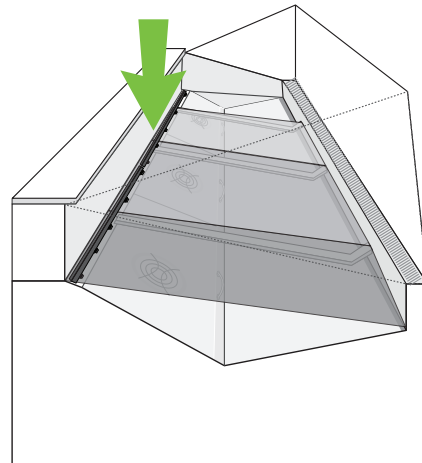
Remove the pan on the side you decided in step one.

For the remainder of these instructions, we will be working on the left side; adjust accordingly for your case



3

You will need 3 mounting brackets per bar.



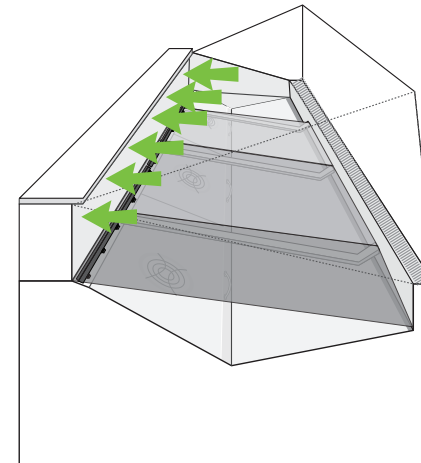
Lay the Icenator bars in the case so you are sure of their placement.

They should be centered in the case.

4

Decide on placement for the mounting clips.

1. One clip will go in the middle of each bar.
2. One clip will go two inches from the left end of each bar.
3. One clip will go two inches from the right end of each bar.

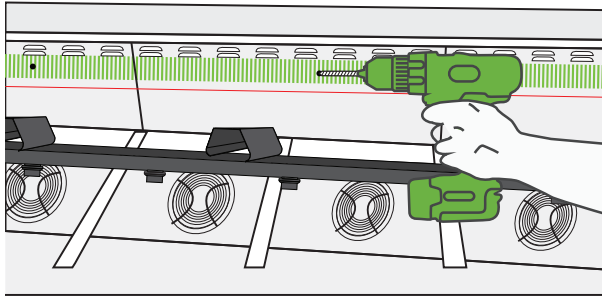


System Installation

5

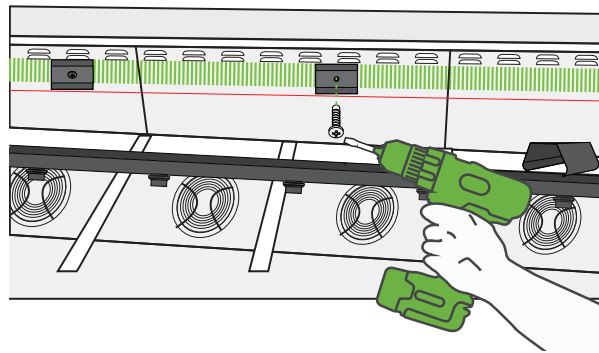
Pre-drill the holes for the mounting brackets for the FIRST bar only.

Clips will go just below the louvers on the back of the case.



6

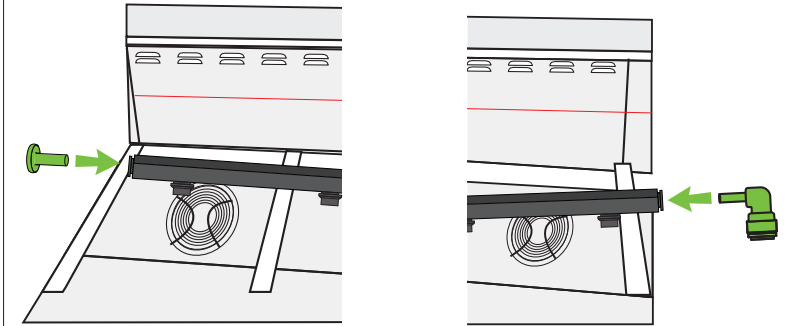
Use the self-tapping screws to secure the mounting brackets.



7

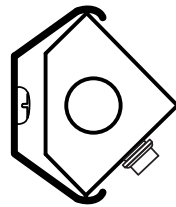
Put the stem plug into the end that you WILL NOT be feeding water into.

Put a stem elbow into the end that you WILL be feeding water into.



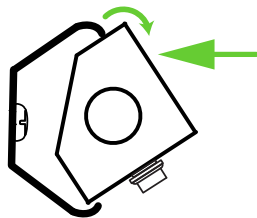
8

Make sure the nozzles on the bar are pointing DOWN.



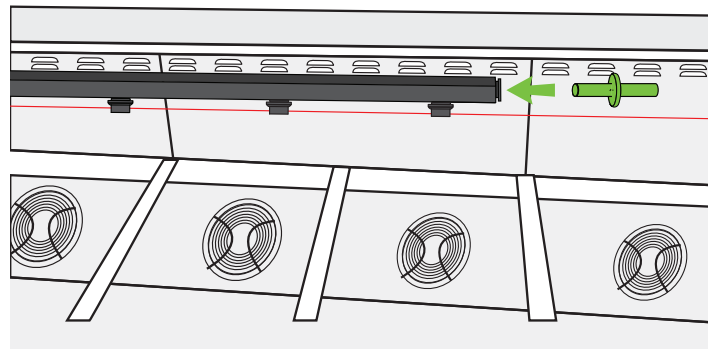
Snap ONLY the first Icenator bar into the clips.

Roll the bar into the mounting brackets.



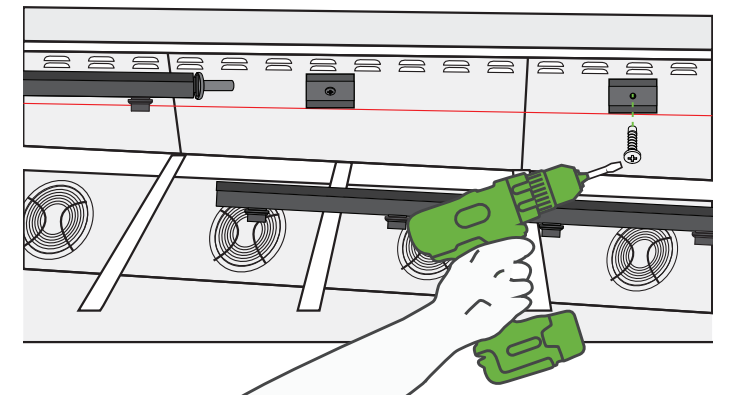
9

Put the grey stem connector into the middle fitting.



10

Add the clips for the second bar per the previous steps.

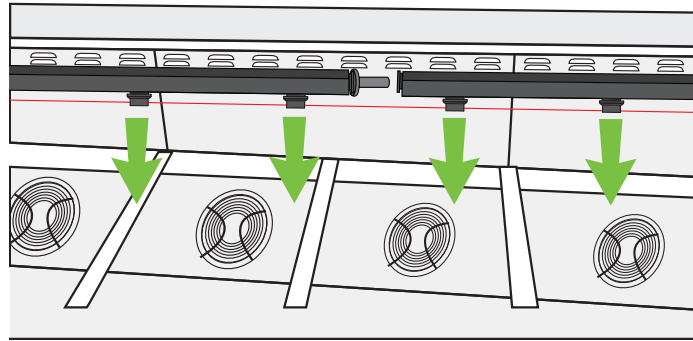


System Installation

11

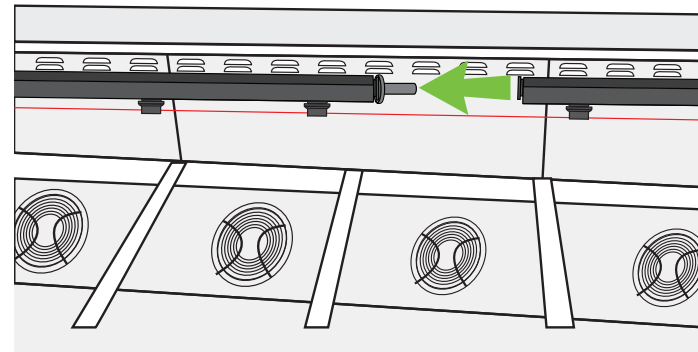
Ensure the nozzle orientation of the two bars is identical.... nozzles should all point down. **DO NOT CONNECT YET.**

This is difficult to undo once the bars are clipped in, so be sure they're aligned correctly the first time.



12

Slide the second bar onto the stem connector and snap it into the clips.

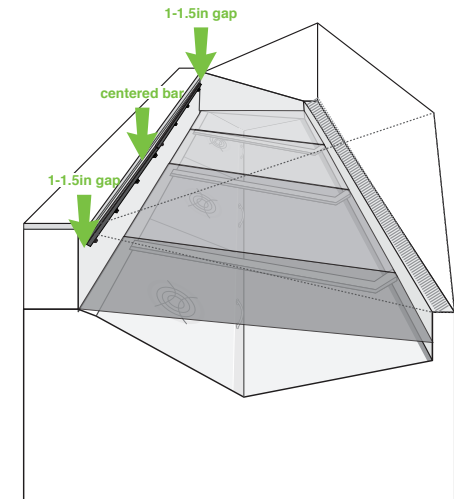


13

Once both bars are in the clips, they can slide side-to-side.

Center them in the case.

There should be a 1 - 1.5 inch gap on either end.

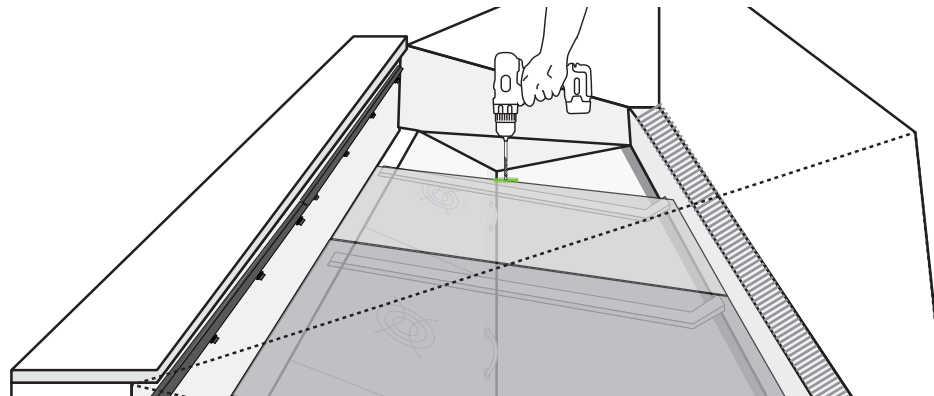


14

Look under the case to see where the electrical lines, drain lines and other components are located.

You will be drilling a hole in the center of the valley near the end wall... ensure there is nothing in the way under the case.

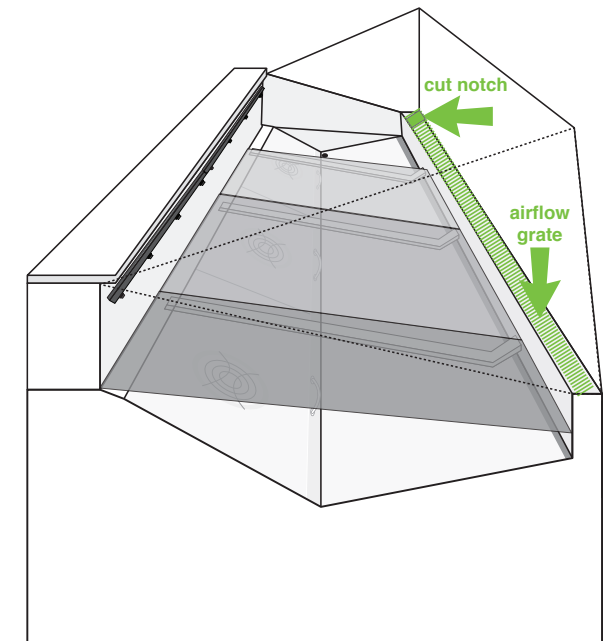
Drill a 3/8in hole in the selected location.



15

Locate the air-flow grate at the front of the case directly behind the glass.

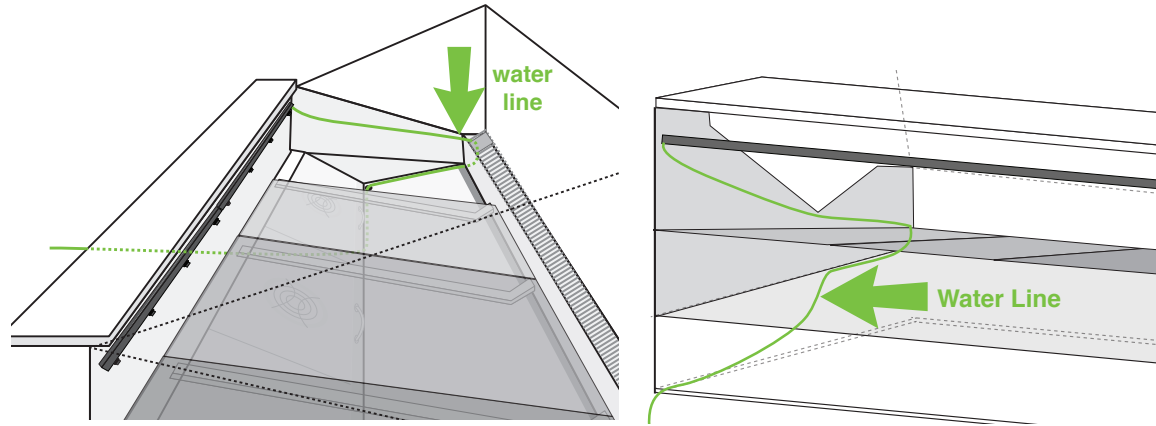
Cut a 1in notch in the grate near the end wall.



System Installation

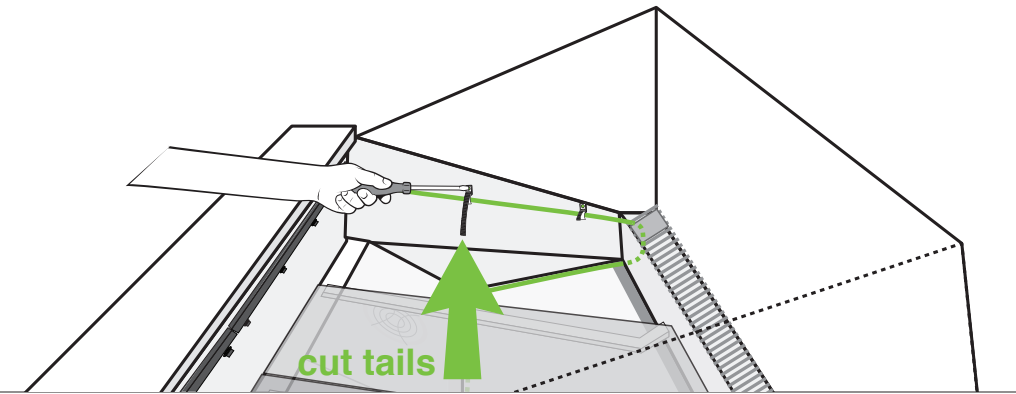
16

Feed 3/8in tubing from the elbow at the end of the track, into the notch in the air-flow grate, and into the 3/8in hole in the valley of the case. You should now see your tubing under the case.



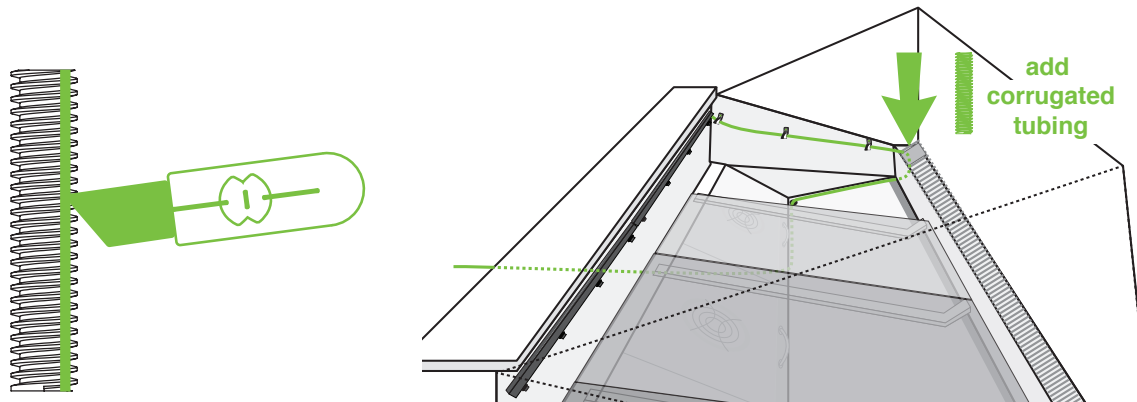
17

Use fasteners (either the enclosed clips or the enclosed zip-ties with the screw hole) to secure the tubing from the track to the grate. Pre drill each hole. Ensure there are no kinks or bends in the line. You will need 3-4 fasteners .



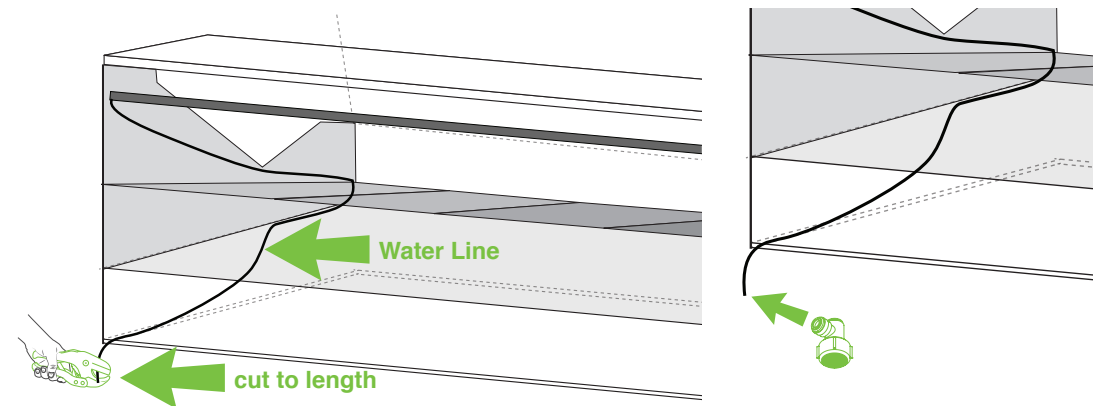
18

Cut 3-4in of the slit corrugated tubing. Put it around your tubing and secure it in the notch in the air-flow grate. This will protect your water line from getting cut on the metal.



19

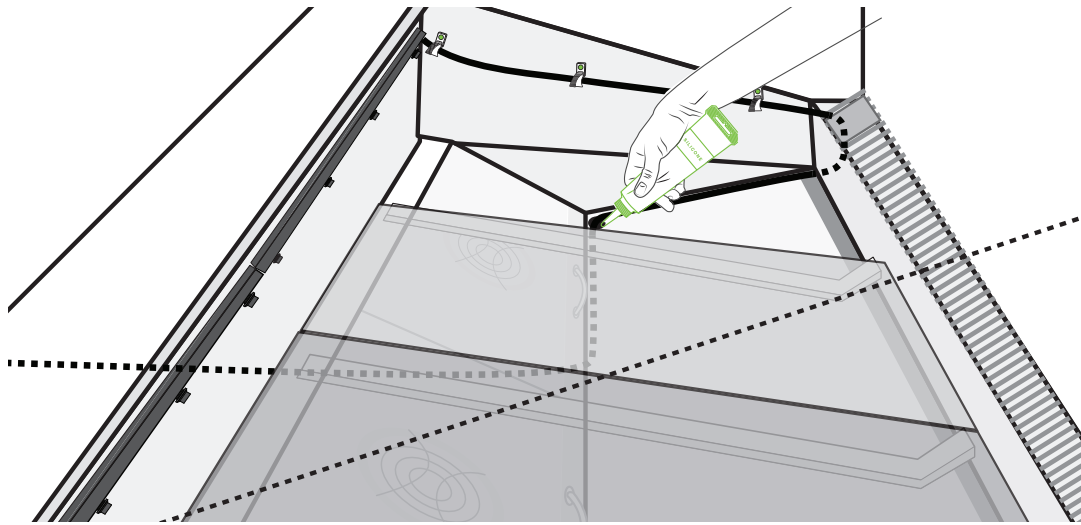
At the back of the case, pull your water line out from under the case and to the end of the access panel and cut it to the desired length. Install the included quick connect hose fitting at the end of your water line.



System Installation

20

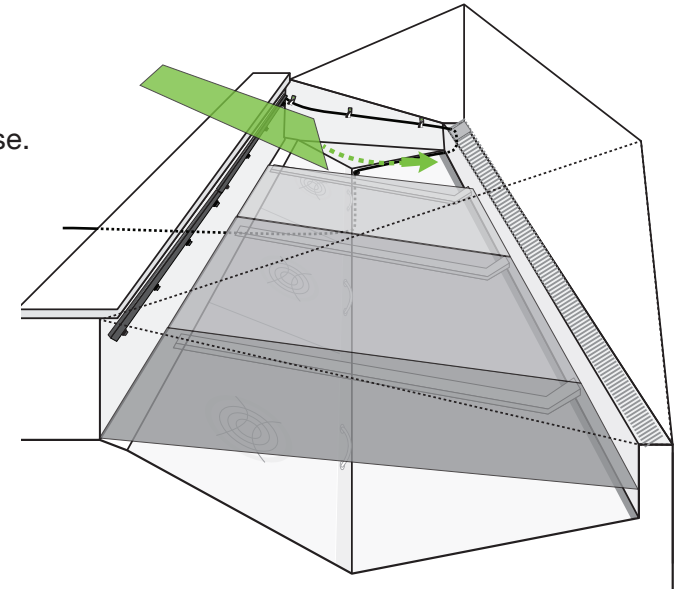
Silicone the 3/8in hole in the valley of the case.



21

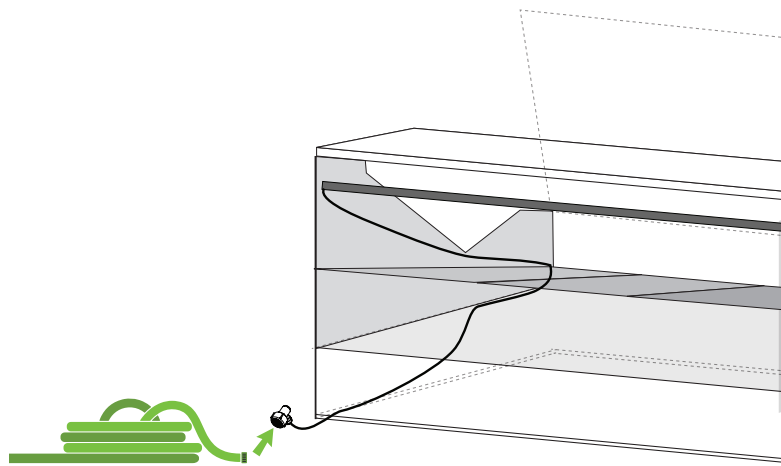
Reinstall the pan into the display case.

Be sure not to bang your track!



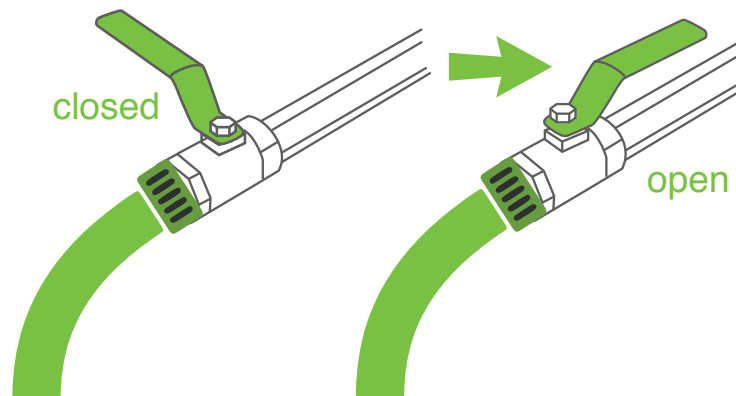
22

Connect the water line to the hose fitting.



23

Turn on the water.



24

Test the system.
Ensure there aren't any leaks.



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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.

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