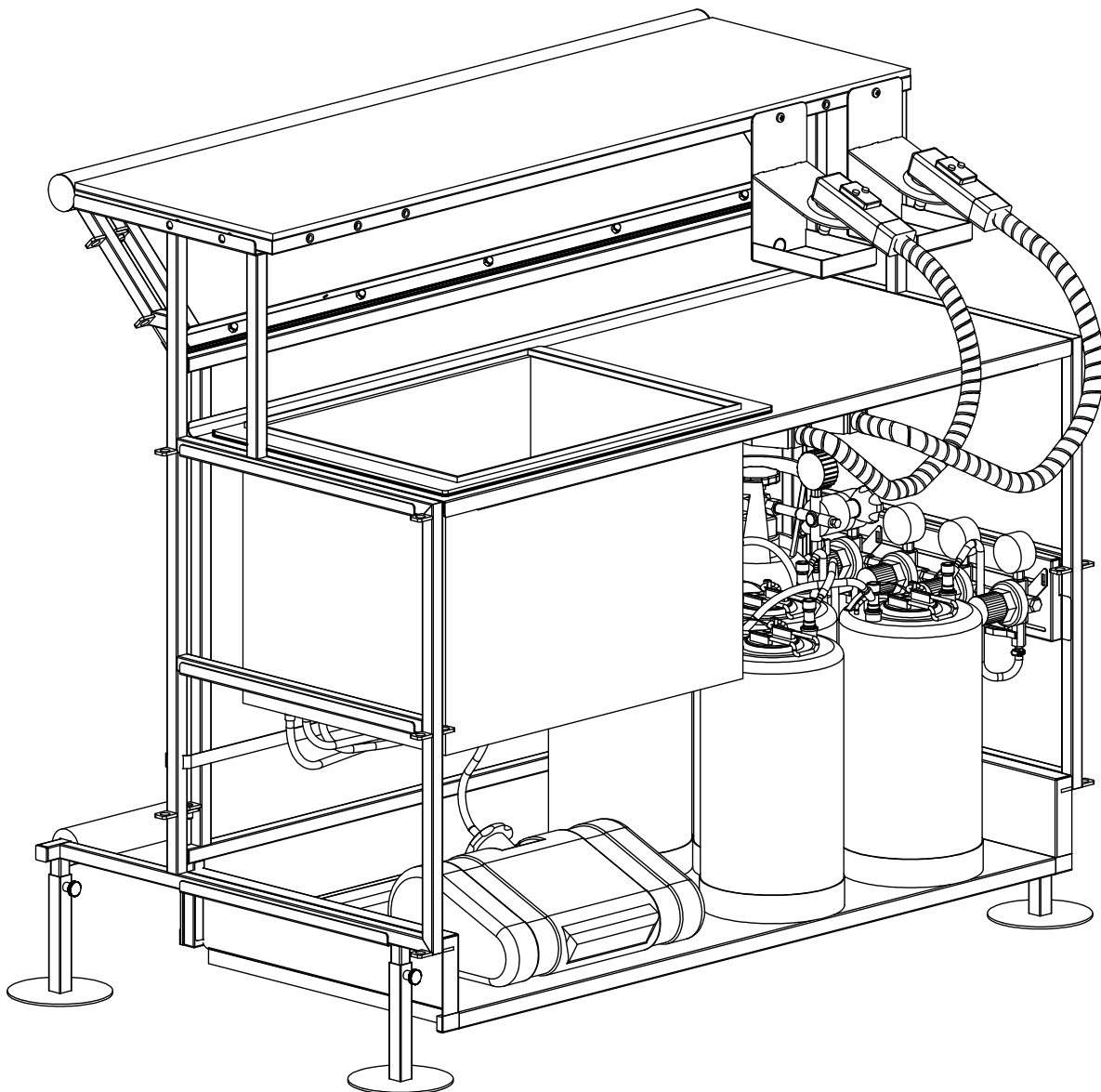


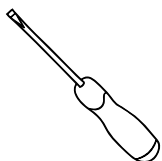


# Flash Bar Soda System Setup Guide



- Read all the instructions before installing.
- Remove all packing materials before you start.
- This installation requires basic mechanical skills.
- Proper installation is the responsibility of the installer.
- Product failure due to improper installation is not covered under the warranty.
- Keep this instruction manual.

### Required tools



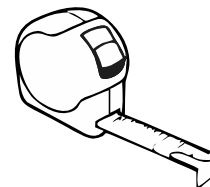
Flat Screwdriver



Crescent Wrench



Teflon Tape



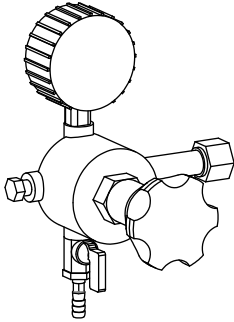
Measuring Tape

#### Notes:

- This system requires 2 persons to assemble.
- Flash Bar Straight Segment is required to assemble this system.

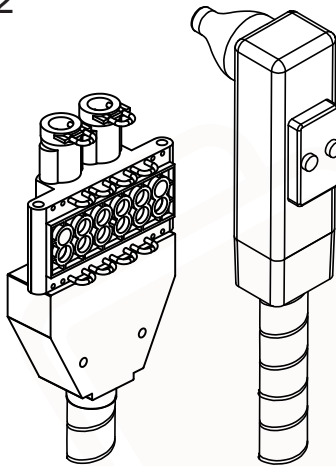
## Primary Regulator

QTY: 1



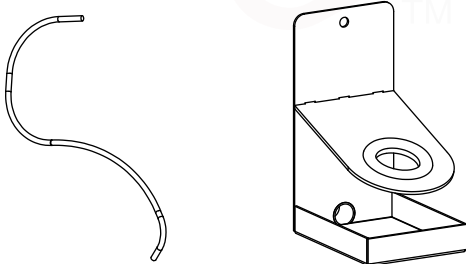
## Soda Gun

QTY: 2



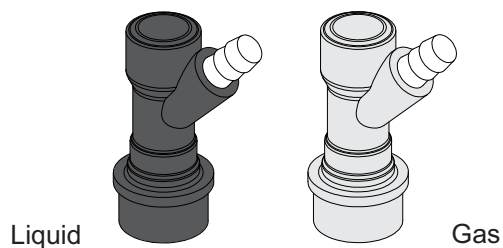
## Soda Gun Holder and Hose

QTY: 2ea



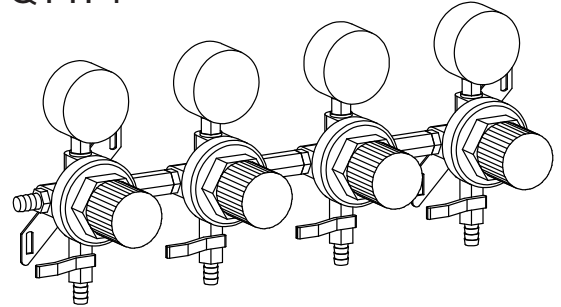
## Liquid and Gas Disconects

QTY: 4ea



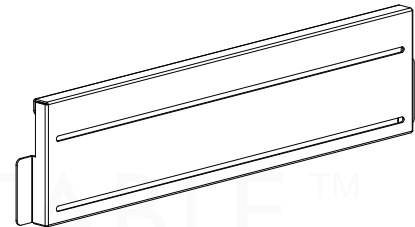
## Secondary Regulator

QTY: 1



## Regulator bracket

QTY: 1 bracket



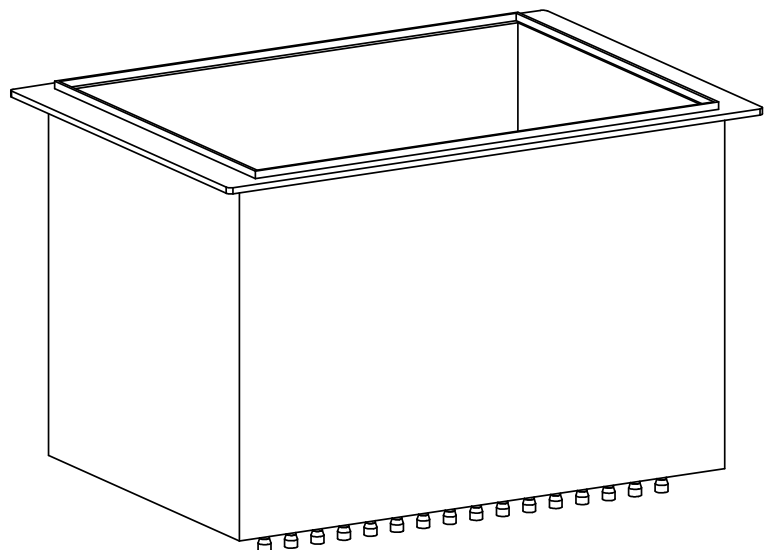
## Seal Strip

QTY: 1



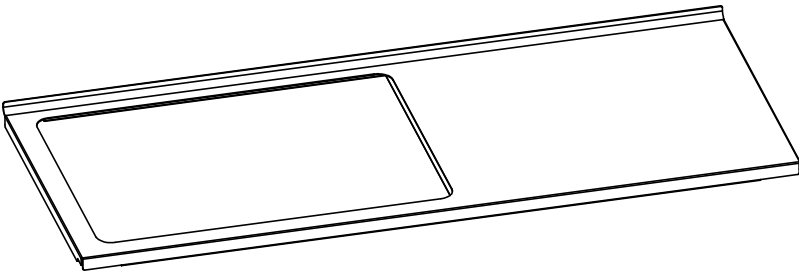
## Ice Bin w/Cold plate

QTY: 1

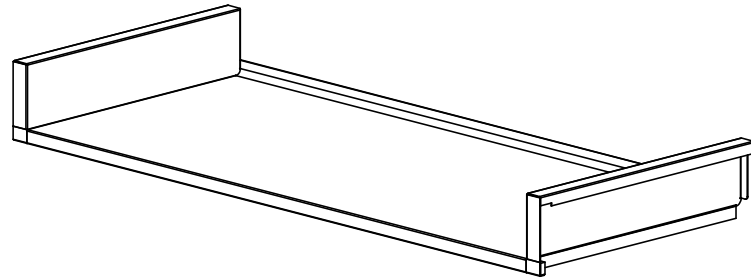


*Note: Parts are not to scale.*

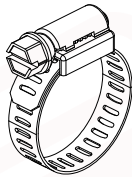
**Soda System Working Surface**  
QTY: 1



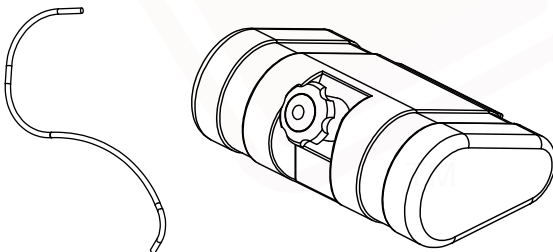
**Drop Down Shelf**  
QTY: 1



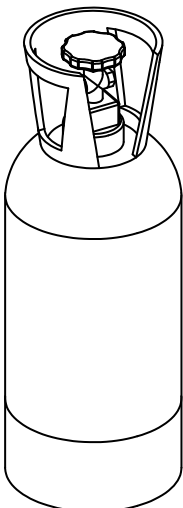
**Clamps**  
QTY: 30



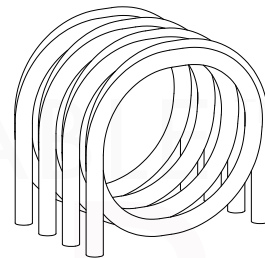
**Drain Tank and Hose**  
QTY: 1ea



**10gal CO2 Tank**  
QTY: 1ea



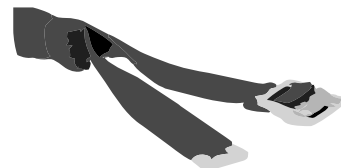
**3/8id Plastic hose**  
QTY: 38ft



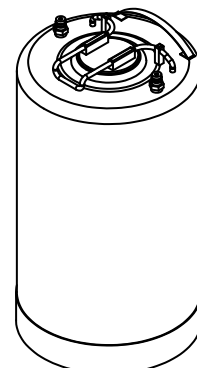
**M4 Allen Bolts**  
QTY: 4



**12ft Lashing Strap**  
QTY: 1



**2.5gal Keg**  
QTY: 4



*Note: Parts are not to scale.*

**STEP 1:** Use scissors or a utility knife to cut one 2ft piece (A) and seven 3ft pieces (B) from provided clear plastic hose. Then cut two pieces each of the following lengths:

3ft 6in | 2ft 6in | 1ft 6in

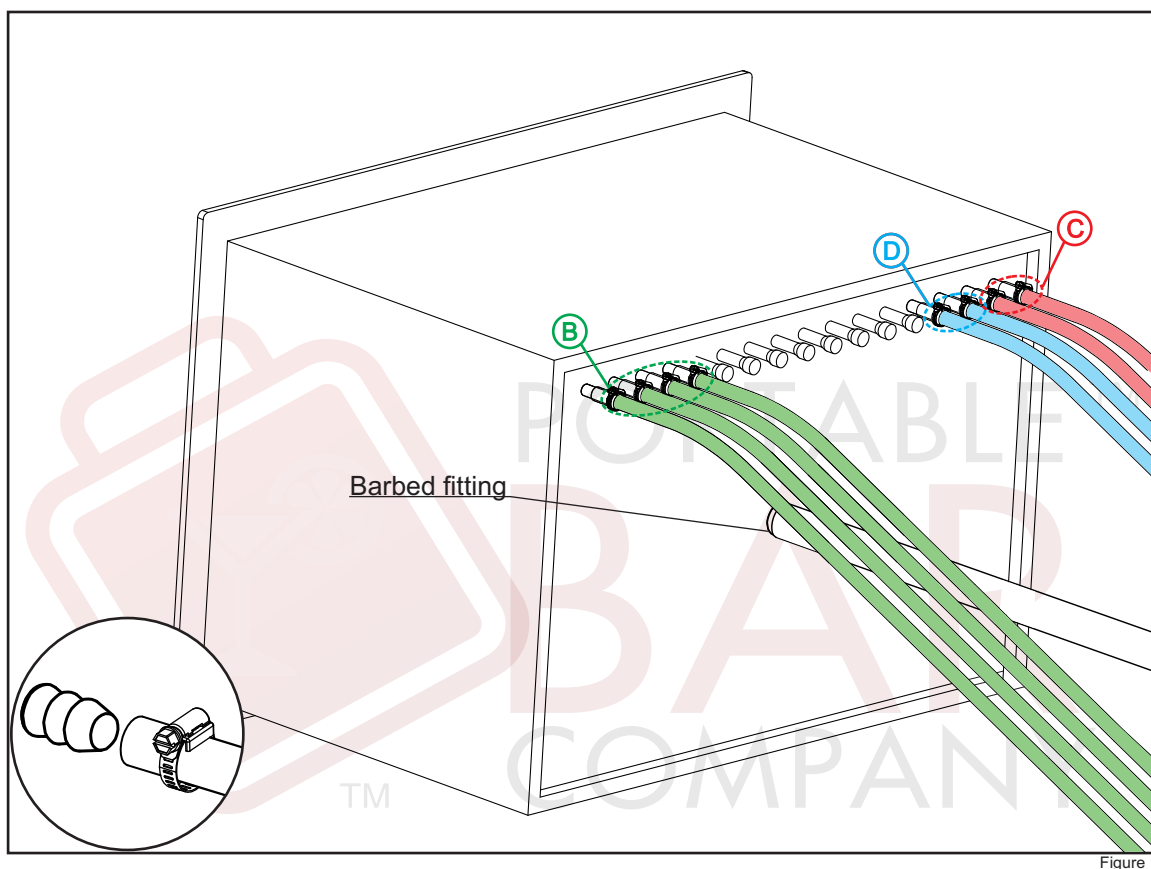
(C)

(D)

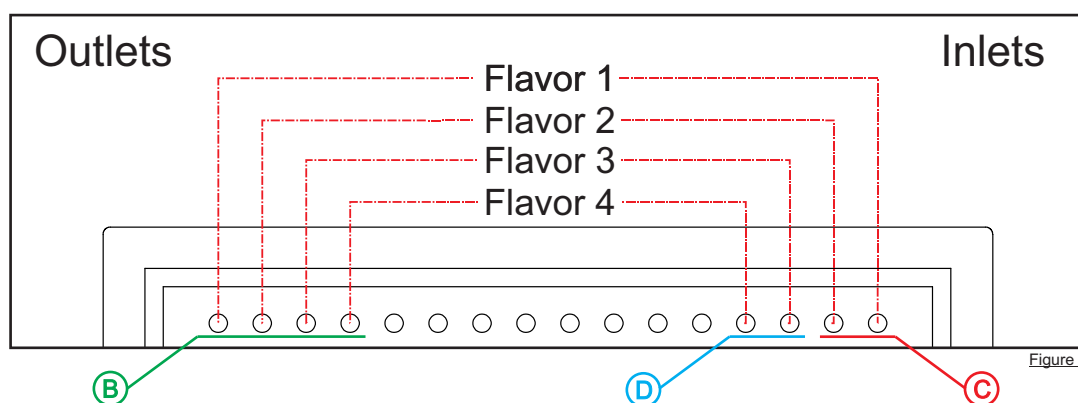
(E)

**STEP 2:** Lay down Ice Bin on a flat surface. Be careful not to damage the flaps around the Ice Bin. Install both (C) and (D) hoses on Ice Bin's four most outer right inlets. Then install four (B) hoses on the four most outer left outlets of the Ice Bin. Make sure to follow diagram below. Lastly, install drain hose in the barbed fitting located in the center of the Ice Bin. Use provided hose clamps to tighten all hoses using a flat head screwdriver.

**Note:** The assembly described in this step may be shipped pre-assembled.



**Note:** We strongly suggest you label all soda and gas lines by the flavors you plan on serving. Follow the diagram below to note the location of the inlets and outlets of the lines inside the Cold Plate.



**STEP 3:** On the loose side of the (C) and (D) hoses coming from the Ice Bin: install black liquid disconnects using a hose clamp and a flat screwdriver to tighten them, as shown below:

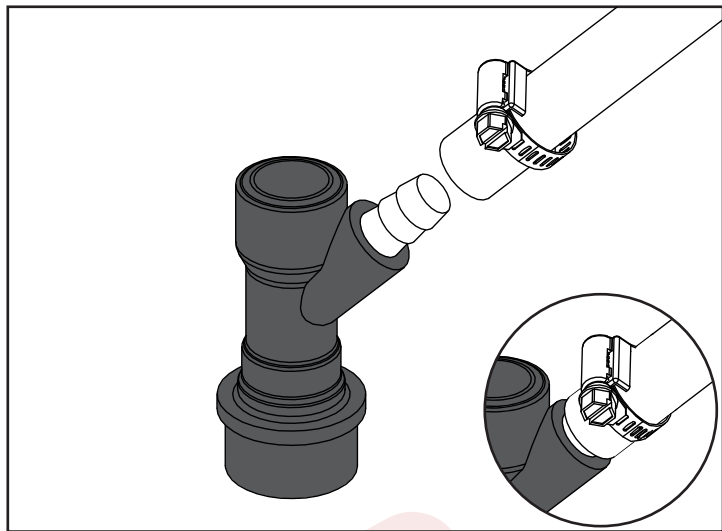


Figure 3

**STEP 4:** Install the remaining (B) hoses as well as the (A) hose and one of the (E) hoses on secondary regulator following the diagram below. Use hose clamps to tighten hoses and set assembly aside for further instructions.

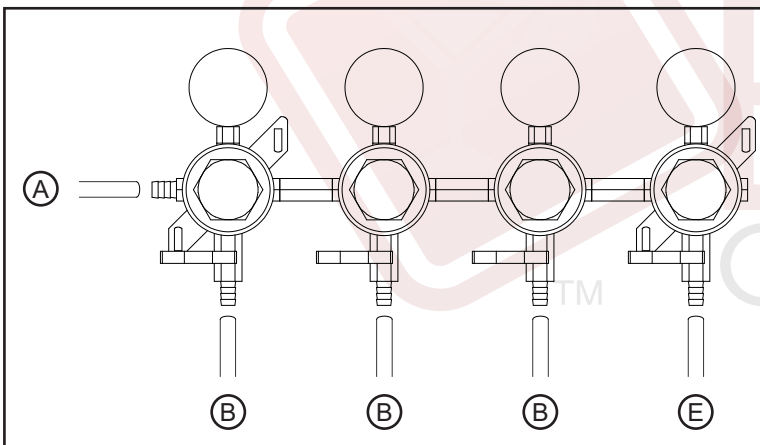


Figure 4

**STEP 5:** On the loose side of hoses (B) and (E) coming from the secondary regulator; install white gas disconnects using a hose clamp and a flat screwdriver to tighten them, as shown below:

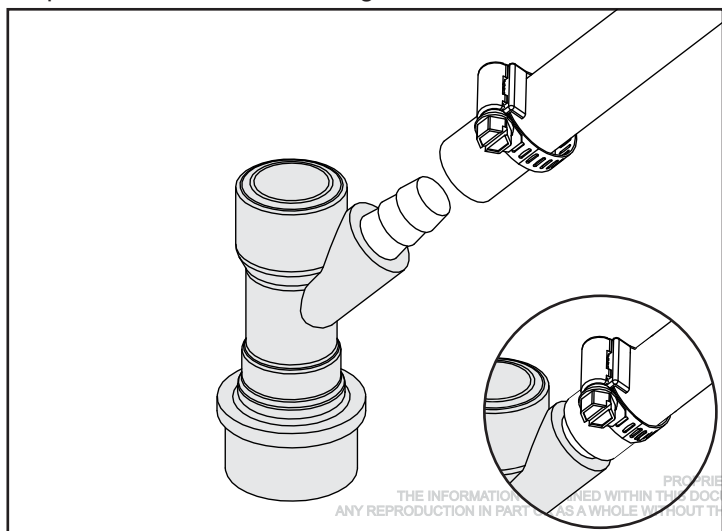


Figure 5

**STEP 6:** Attach secondary regulator on its bracket using provided allen head bolts, as shown below.

**Note:** *The assembly described in this step may be shipped pre-assembled.*

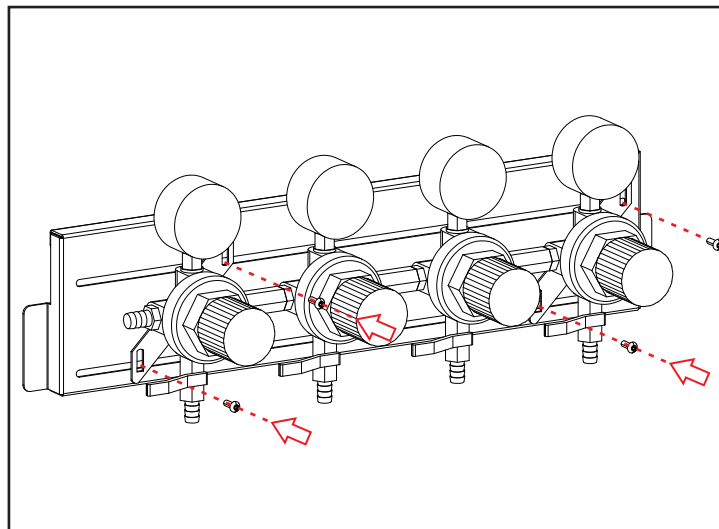


Figure 6

**STEP 7:** Use a crescent wrench to install the primary regulator on CO2 tank's threaded fitting. Use teflon tape.

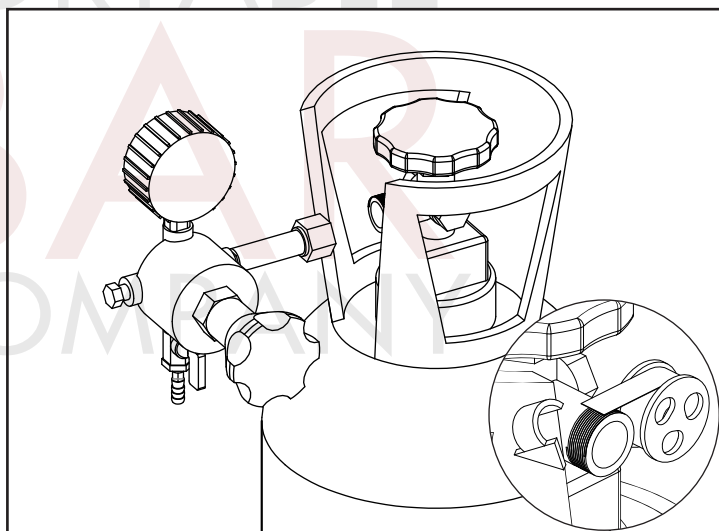
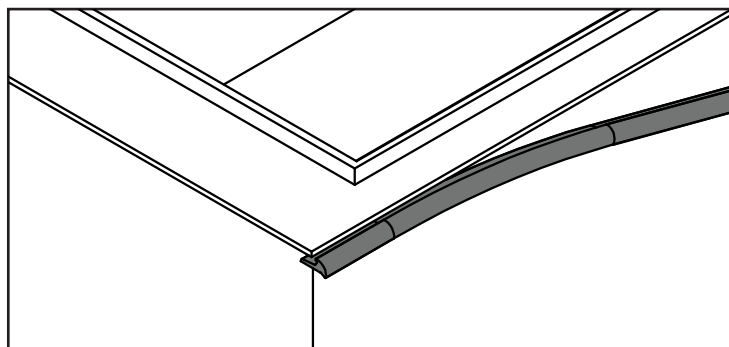


Figure 7

**STEP 8:** Install sealing strip by peeling out the protective film on the double sided tape. Place sealing strip all around the Ice Bin edges and push up until it adheres.



**STEP 9:** This system requires a unique cutout working surface and bottom shelf. Remove counter and top ACP panel, then proceed to install the custom Soda System working surface and drop down shelf.

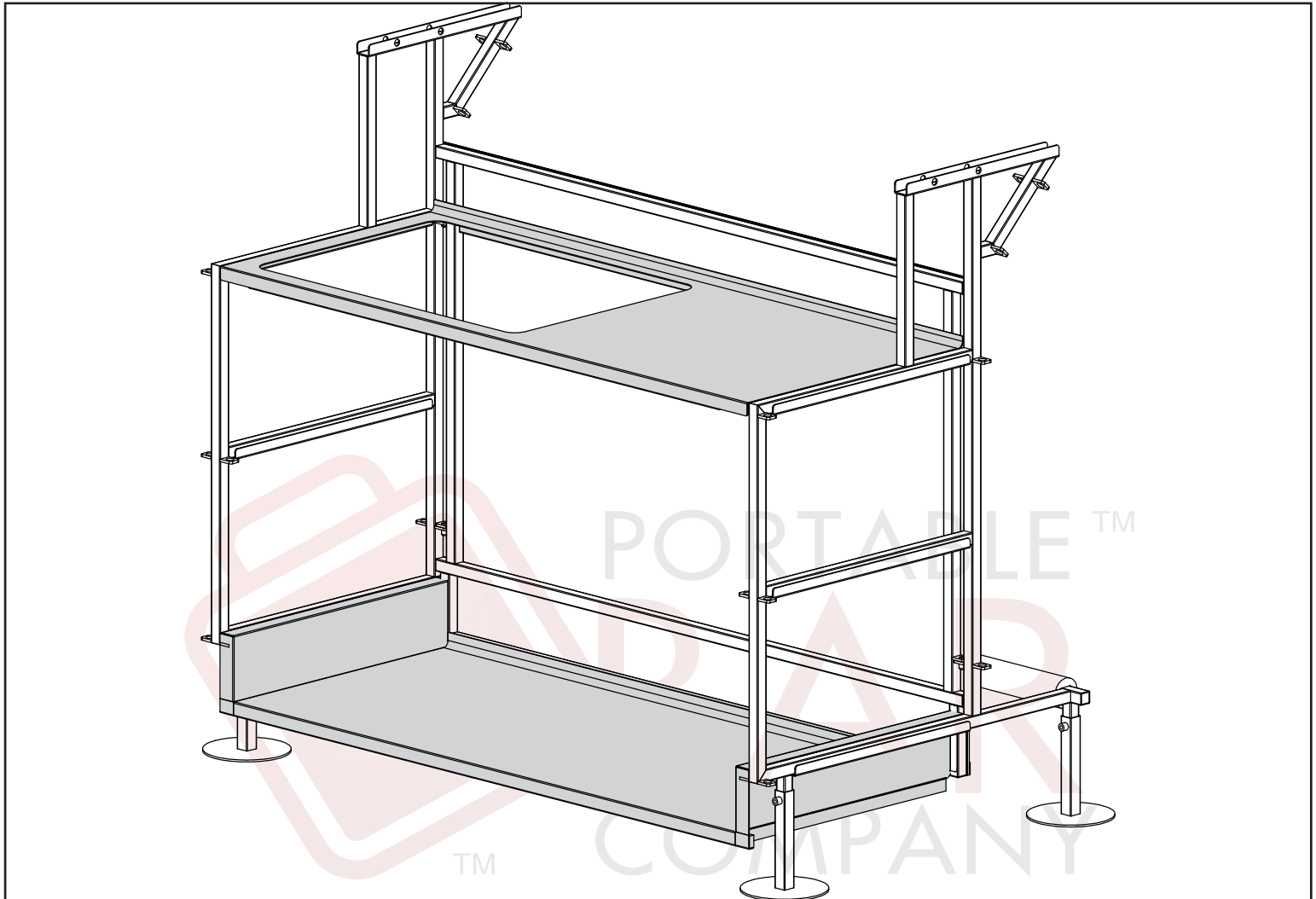


Figure 8

**STEP 10:** Slide in Ice Bin. Make sure to pass all 8 hoses through working surface cut out.

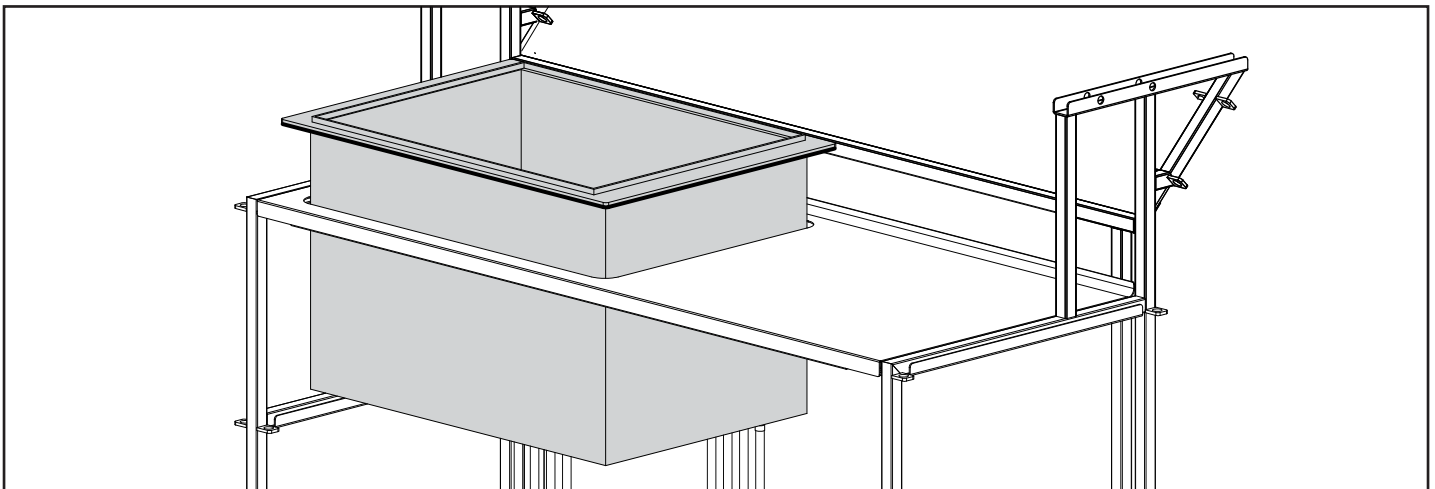


Figure 9

**STEP 11:** Remove bottom ACP panel from Flash Bar's side frames. Then remove the two outer screws shown below. Pass through provided lashing strap in between frame and ACP. Do the same on both sides of the frame so it goes around the frame. Don't forget to re-install both screws and tighten after installing strap.

**Note:** *The assembly described in this step may be shipped pre-assembled.*

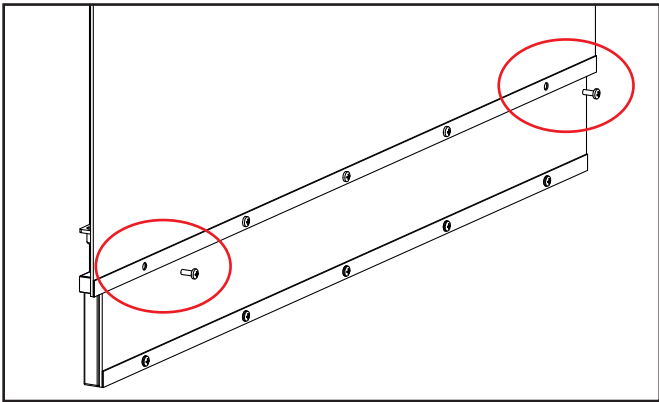


Figure 10

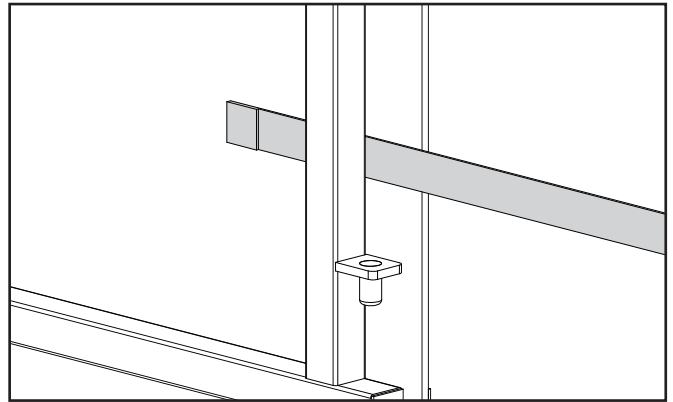


Figure 11

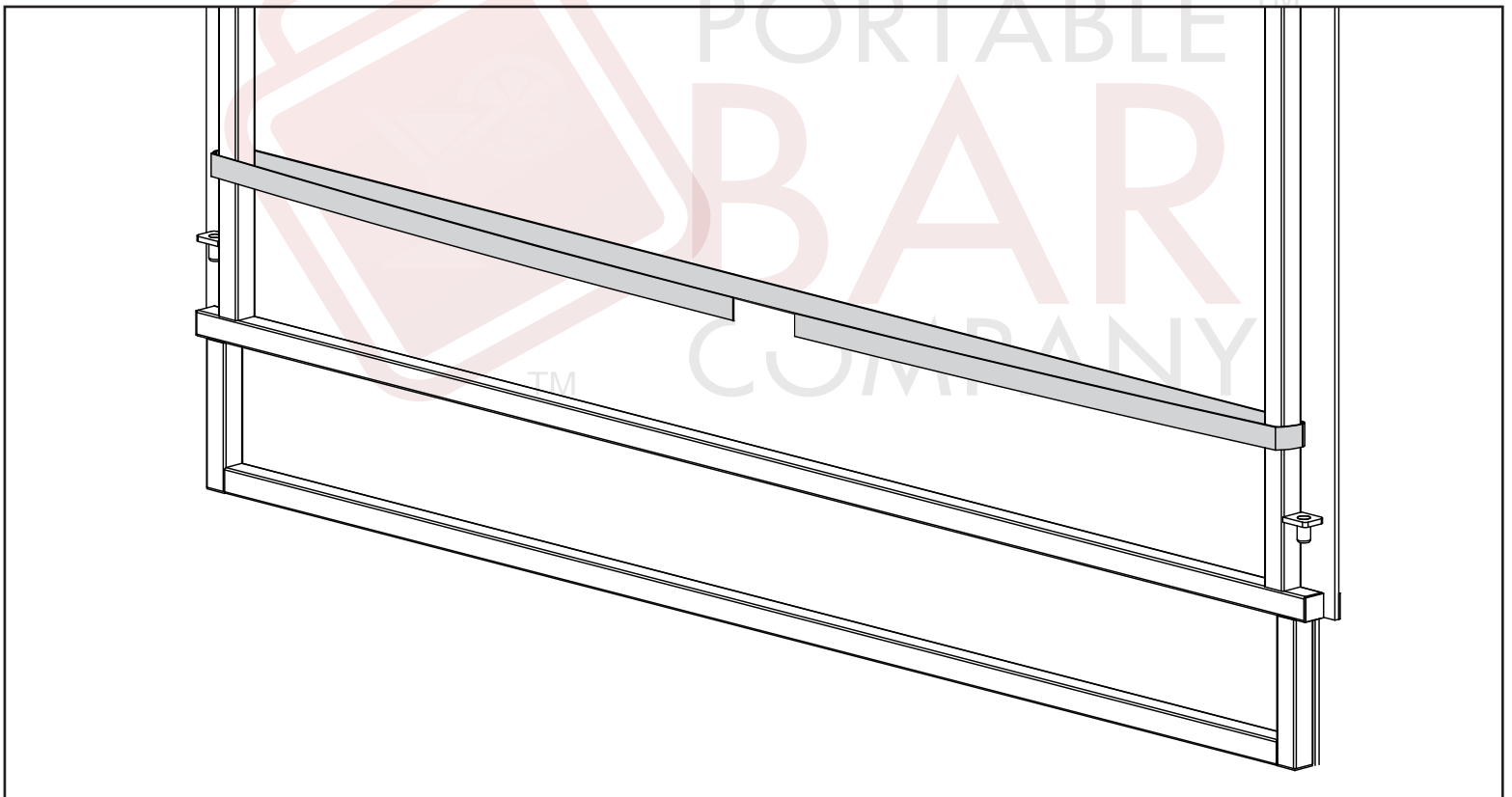


Figure 12



**STEP 12:** Set ACP panels and counter top back in place. Use provided hardware and a flat screwdriver to install both soda gun holders on the counter top, as shown below.

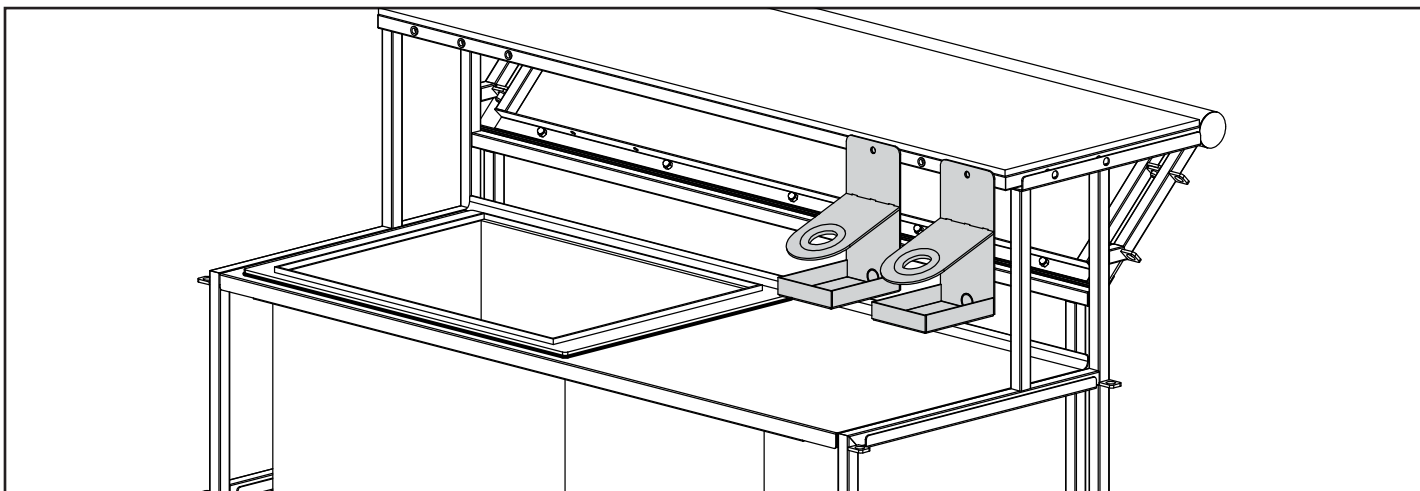


Figure 13

**STEP 13:** Grab soda gun spout and place it in the gun holder, as shown in Figure 15. While doing the latter make sure to hold manifold in your hands. While holding it, reach out for the outlet (B) hoses on the right side of Ice Bin. Install hoses in your preferred order. Keep in mind each gun will make use of two soda flavors each. Use provided hose clamps to tighten.

**Note:** The assembly described in this step may be shipped pre-assembled.

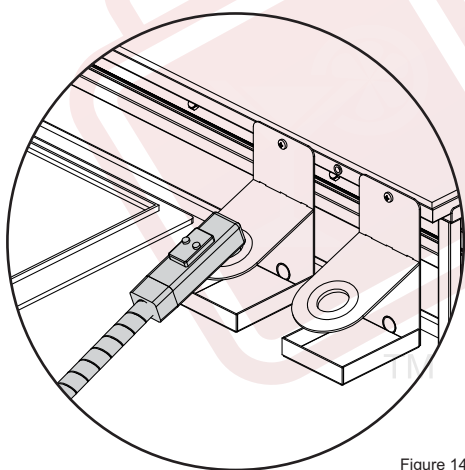


Figure 14

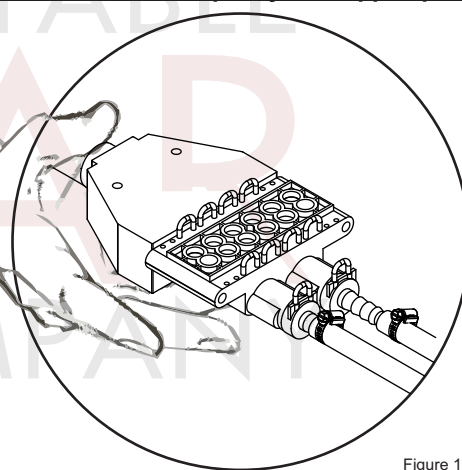


Figure 15

**STEP 14:** Install manifold underneath working surface using the integrated bracket, as shown below. Use provided M4 allen bolts.

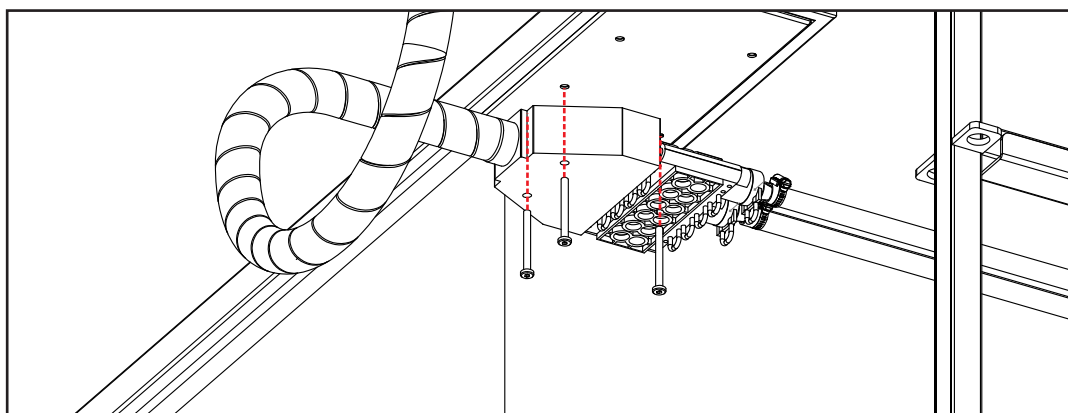


Figure 16

**STEP 15:** Repeat steps 12 and 13 to install second soda gun.

**Note:** Each manifold runs only to soda lines.

**STEP 16:** Slide in second regulator bracket in Flash Bar's middle channel, on the right side frame. Place CO2 tank as shown below. Make sure to strap down tank using lashing strap installed in STEP 10. Lastly, place kegs as shown in Figure 19.

**Note:** We suggest you fill up all kegs to be used before placing them on the shelf. Make sure to close tightly all lids.

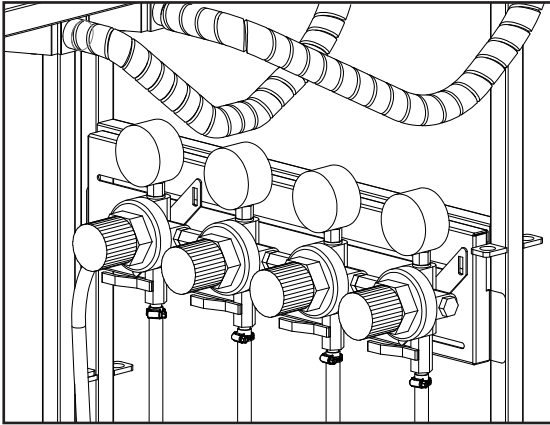


Figure 17

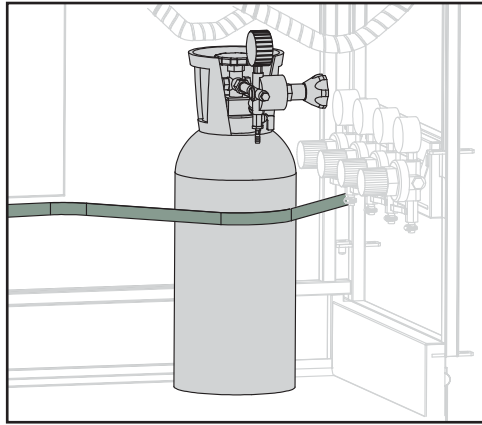


Figure 18

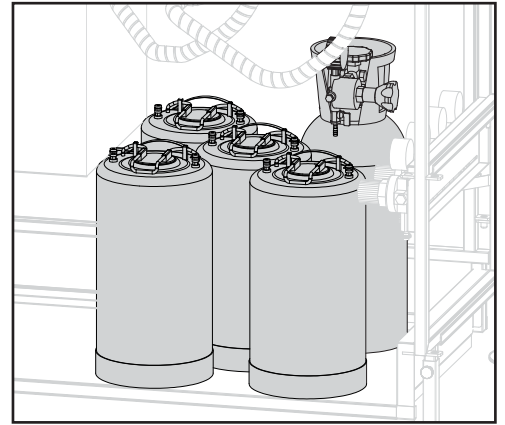


Figure 19

**Note:** As per OSHA regulation all CO2 tanks must always be secured in an upright position with a restrain.

**STEP 17:** Install hoses (B) and (E) coming from the secondary regulator, one on each keg using white disconnects. Make sure to install hose (E) on the closest keg to the secondary regulator. You may use either of the two fittings on each keg. Install (C) hoses coming from the Ice Bin on the kegs that are closer to Ice Bin using black disconnects. Lastly install (D) hoses on the remaining kegs. At the end of this step each keg should have installed one black and one white disconnect.

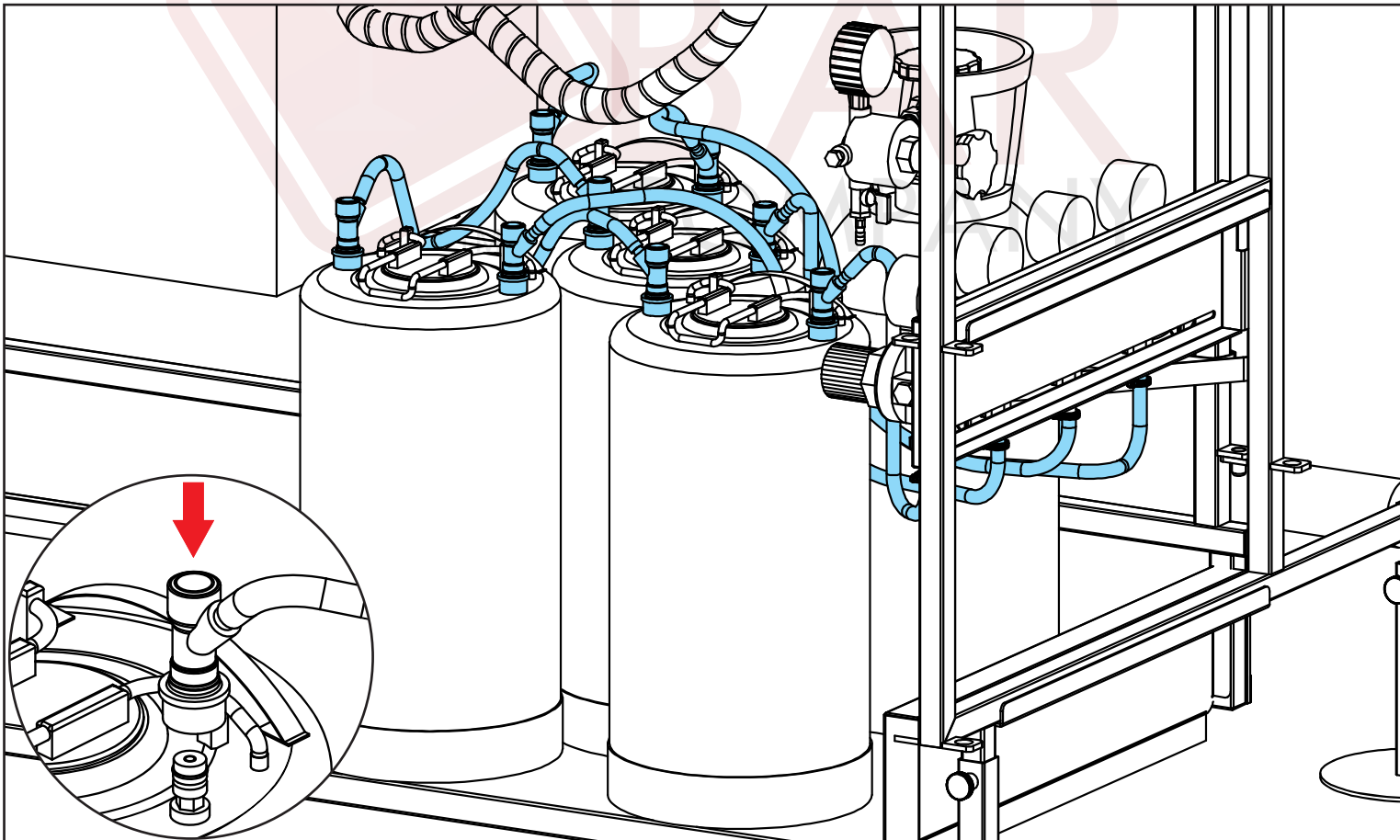


Figure 20

**Note:** Keep track of all the labels you previously installed to make sure you don't mismatch any soda lines.

**STEP 18:** Connect together both regulators using hose (A) which is plugged to the second regulator.

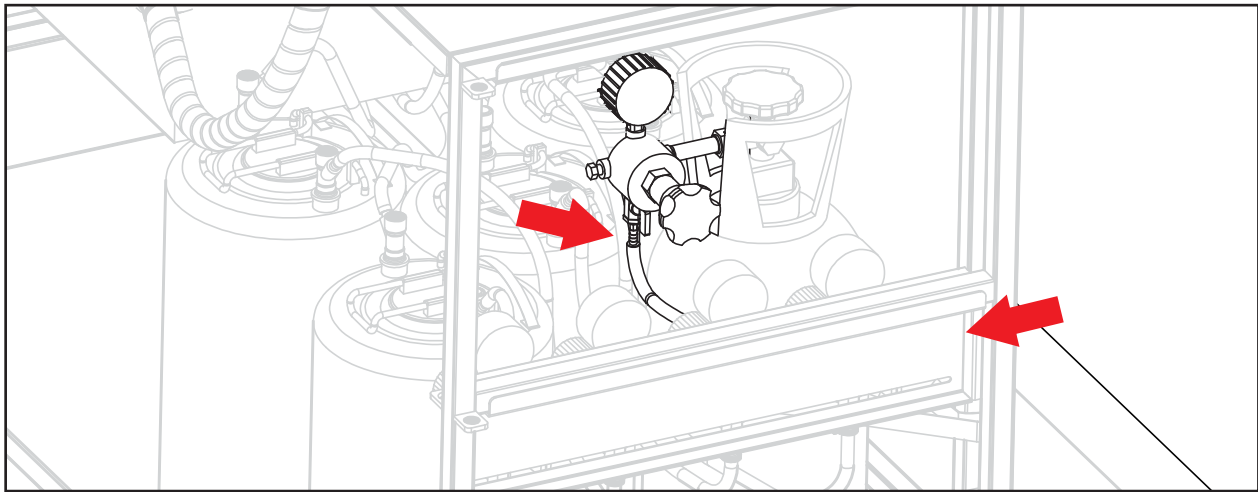


Figure 21

**STEP 19:** Place gray water tank below ice bin. Insert ice bin's drain hose in tank's opening.

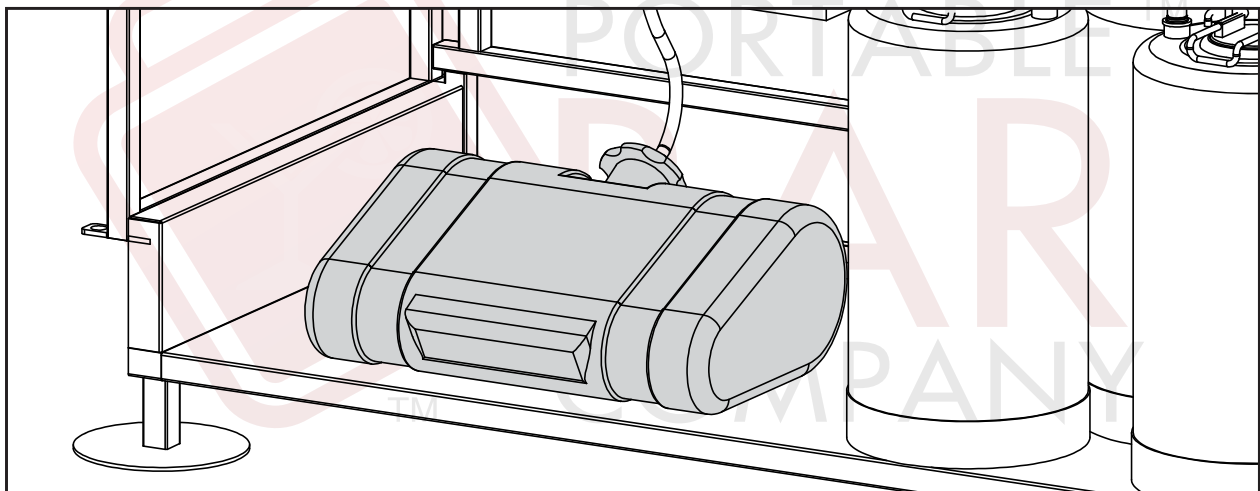


Figure 22

**STEP 20:** Plug provided drain hoses for Soda Gun Holder's and insert them in drain tank's opening. As shown below. Use hose clamps to tighten hoses.

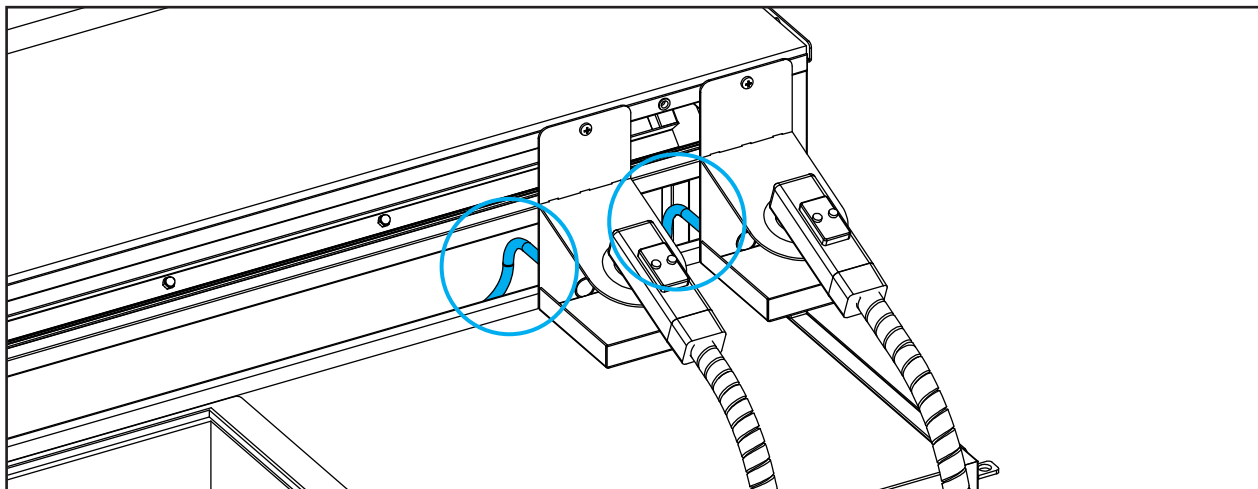


Figure 23

# Operation Instructions

1. Fill Ice Bin with ice.
2. Fully open all secondary regulator valves you plan on using.
3. Open CO2 tank flow regulator halfway.
4. Fully open primary regulator valve.
5. Press each button on both soda guns until soda gets out of the spout. This will fill all soda lines.
6. Adjust primary regulator valve so the pressure gauge marks 15psi or above. Adjust secondary regulator as needed to maintain 15psi.

## Intermittent Operation

This system is designed to be operated constantly. If you won't be using the system for more than 30 minutes close the CO2 flow regulator and continue to use it until no soda comes out. This is meant to prevent freeze clogging inside the primary regulator.

## Non-operation

1. Close CO2 flow regulator.
2. Empty all soda lines.
3. Release remaining pressure inside kegs by pulling on the spring valve on top of every keg.
4. Unplug all disconnects and take out all kegs.
5. Empty the remaining soda inside kegs and fill them with drinking water.
6. Follow Operation Instructions to make the water run through the system so clean water comes out of the soda gun spout.
7. Wait a few hours so all the equipment dries out. Once dry you may follow the setup instructions of this guide in reverse order to store your system.

***Important: Read the following information prior to installation.***

- Adhere to all national and local safety codes.
- Check that all gas fittings are tight. This check should be performed regularly.
- Handle CO2 cylinders, regulators and gauges with care.
- Always secure gas cylinders in an upright position with a restraint.
- Do not throw or drop a CO2 cylinder.
- Do not store CO2 cylinders near furnaces, radiator or sources of heat.
- Always close CO2 tank valve and let pressure out of the system before handling, moving or filling kegs.
- System is intended for soda only. Never use system with any other beverages.
- Never leave soda in lines or kegs when storing the soda system.
- Never leave soda system or any of its parts exposed to the elements, especially in hot and humid environments.

**CAUTION**

TM



- Always connect the CO2 cylinder to the primary regulator and never directly to the second regulator, keg, or dispensing system. Failure to do so could result in an explosion with possible injury.
- Check the D.O.T. test date on the cylinder neck before installation. Ask your gas supplier for D.O.T. test requirements.

**DANGER**

**CO2 is an asphyxiant gas. Store CO2 cylinders in well ventilated areas only. A leak in an enclosed area could displace oxygen and cause asphyxiation. Always test gas handling systems for leaks. CO2 gas detector is recommended.**



## Recommended Sanitizing Guidelines

### Daily Cleaning

- Using mild soap and warm water, wipe down Soda Gun spout and holder.
- Be careful not to get any of the soapy solution into the soda lines.
- Fill kegs with drinking water and run it through the system.
- Allow kegs and soda lines to dry before storing.
- Dry any remaining moisture off Flash Bar.

***Note: Make sure to follow the Flash Bar's Maintenance and Care Guide guidelines on how to take care of the stainless steel in your bar.***

### Monthly Cleaning

1. Prepare at least 5 gallons of cleaning solution with warm water and mild, non-foaming, anti-bacterial detergent.
2. Fill all kegs with said solution and run it through the system.
3. Fill all kegs with drinking water and run it through the system.
4. Repeat last step until all soapy solution is out of the system.
5. Prepare 2 gallons of sanitizing solution by mixing 1 ounce of household bleach (that contains 5.25% sodium hypochlorite) with 2 gallons of 120°F water. The mixture should not exceed 100 PPM of chlorine.
6. Make solution fill all lines but don't let any of it get out.
7. Allow the sanitizing solution to remain in the system for a minimum of 10 minutes. Run remaining solution through the system.
8. Fill all kegs with drinking water and run it through the system.
9. Prepare a mild detergent solution using warm water.
10. Disconnect all lines from Ice Bin's inlets.
11. Remove Ice Bin from Flash Bar.
11. Wash Ice Bin using a sponge and the mild detergent solution paying special attention to the inlets.
12. Rinse the ice bin with clean water.
13. Reinstall Ice Bin and connect all lines.
14. Let system completely dry before next use.

## Troubleshooting

### Drinks are foamy

#### *Possible Causes*

1. No ice on coldplate
2. CO2 pressure set too high

#### *Corrective Actions*

1. Fill Ice Bin with ice
2. Adjust regulators so pressure is set around 15psi.

### Drinks are warm

#### *Possible Causes*

1. No ice on Ice Bin
2. Soda temperature too high

#### *Corrective Actions*

1. Fill Ice Bin with ice
2. Fill kegs with cold or room temperature soda.

### Soda not coming out

#### *Possible Causes*

1. No gas pressure
2. Closed regulator valves
3. Clogged regulator

#### *Corrective Actions*

1. Fill CO2 tank
2. Double-check all valves are open
3. Close CO2 tank valve and let system rest for a few minutes.



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