

# **Installation Instructions**

Dispensing Towers
Draft Arm, Lucky, Panther or Tee Towers









Form No. Z2351 Rev. 11.2.22



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Please follow these instructions to ensure proper installation of Perlick beer and wine dispensing towers. These instructions cover 3" Draft Arms and Tee, Lucky and Panther Towers. These instructions apply to the following beer and wine dispensing kits:

#### **Beer Kits**

69526-1DA	69526-1DATF	69526-2DA	69526-2DATF	69526-3DA	69526-3DATF
69526-2TT	69526-2TTTF	69526-3TT	69526-3TTTF	69526-4TT	69526-4TTTF
69526-5TT	69526-5TTTF	69526-6TT	69526-6TTTF	69526-2N	69526-2NTF
69526-1L	69526-1LG	69526-2L	69526-2LG	69526-3P	69526-3PG
67945-2DA	67945-2TT	67945-4TT	67945-2L		

#### **Wine Kits**

69526W-1DA	69526W-2DA	69526W-3DA	69526W-2TT	69526W-3TT
69526W-4TT	69526W-5TT	69526W-1L	69526W-2L	69526W-3P
67945W-2DA	67945W-2TT	67945W-4TT	67945W-2L	

### For field installation, add a –R to the factory kit part number.

**Note:** Each kit contains enough hardware to install up to six product lines. Depending on how many lines you are installing, you may have parts left over after the installation is complete.

### **Tools and Materials Required**

- Safety glasses
- Rubber gloves
- Utility knife or vinyl tubing cutter
- Slotted screwdriver
- 1/4" nut driver (optional)
- 6" or 8" adjustable wrench
- Cordless drill driver
- 5/16" socket head driver bit

#### **Dispensing Kit Component Parts**

- Draft Arm, Tee Tower, Lucky or Panther Tower





**Draft Arm** 

**Tee Tower** 

Lucky (shown)
or Panther Tower



### **Dispensing Kit Component Parts, Continued**



- Air Distributor Cover 68678-1



- DZS36 Air Distributor Cover 68779-1



- Gas/CO2 Tubing C23975-1



- Beer Line Connector 532



- Wine Line Connector 67750



- Anti-Microbial Drain Tubing 1390D



### **Dispensing Kit Component Parts, Continued**



- 630SS - Forward Sealing Faucet, 304 Stainless Steel



- Silicone Sealant C15997



- Drain Pan C18640A



- DZS36 Drip Tray 68819



- Waste Bottle - Wine C24392-1



- Waste Bottle Holder - Wine 68693-1



### **Dispensing Kit Component Parts, Continued**



- Tapping Parts Kit 67305



- Tapping Parts Kit - Wine 67305W



- PVC Pipe 67562



- Parts Bag 67835



- Keg Coupler, 304 Stainless Steel - 36000SS



- Tapping Cover 67852-1



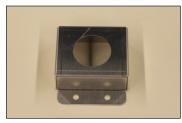
- Gasket 57355-1



### Air Scoops for Field Retrofit Kits (-R) only - see page 9.



- Air Scoop 69315-1 For BBR/BBRN/PTR



- Air Scoop 68686-2 For DZS60



- Air Scoop 68778-1 For PTS



- Air Scoop 68685-1 For BBS/BBSN



### DRAFT ARMS, 2-6 FAUCET TEE TOWERS, LUCKY AND PANTHER TOWERS

#### **General Installation and Field Retrofit Installation**

Cabinets ordered with a dispensing kit from the factory will already have the air distributor and air scoop installed. If you are doing a field retrofit on a previously installed cabinet, your kit also will include an air distributor and an air scoop. Please refer to the *Air Distributor and Air Scoop Installation - Field Retrofit Instructions* section on the following page to install these components. Note that field retrofit kits will have a "-R" at the end of the kit model number.

### **Beer/Wine System Safety**



**WARNING** - Any compressed gas such as CO2 can be dangerous! It is important that reputable companies are used to supply and install systems and to thoroughly train all staff who will use the system.

**NEVER** Connect a pressurized gas cylinder unless there are at least two safety mechanisms in the pressure system. At least one at the regulator and one at the product container coupler.

**NEVER** Connect a pressurized gas cylinder directly to a keg.

**NEVER** Connect your own equipment to the pressure system.

**ALWAYS** Report any damage or leaks and have them repaired immediately.

**ALWAYS** Store gas cylinders in the upright position.

**ALWAYS** Ventilate after a gas leak.

**ALWAYS** Keep gas cylinders away from heat and preferably stored in a cooler part of the establishment.

**ALWAYS** Thoroughly train all staff who use the equipment.

### **About Wine Dispensing**

Perlick offers the industry's most complete line of commercial refrigerated wine storage and serving equipment. Perlick's WINEcertified family of products, specified in the Dispensing Kit Component Parts section of this document, are manufactured specifically to properly store and dispense wine.



Wine components include a sanitary 304 stainless steel faucet, shank, union and keg coupler with a sanitary 304 stainless steel probe, as well as flavor-lock tubing, all to protect the delicate flavors of wines.

To preserve the integrity of Perlick WINEcertified wine products and systems, DO NOT use beer kit components in wine systems.



#### WARNING: California Prop 65 Notice

These products may expose you to chemicals including Chromium, which are known to the state of California to cause cancer and birth defects or other reproductive harm. For more information on whether a product in this list contains these chemicals, please refer to the specific product page at **perlick.com**. Or to find out more about Prop 65, go to **P65Warnings.ca.gov**.



DRAFT ARMS, 2-6 FAUCET TEE TOWERS, LUCKY AND PANTHER TOWERS

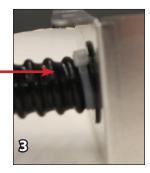
### AIR DISTRIBUTOR AND AIR SCOOP INSTALLATION - FIELD RETROFIT INSTRUCTIONS

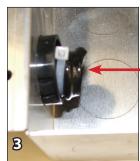
### **Air Tubing to Air Scoop Attachment**





- 1. Select the appropriate air scoop for the cabinet model being retrofitted. Air scoop photos with the cabinet models they apply to are shown on page 7.
- 2. Knock out the desired slug from the air scoop and insert the 1" snap bushing.





- 3. Secure the air tube in place by attaching a cable tie on each side of the snap ring.
- 4. Mount the air scoop assembly against the air discharge plenum of the evaporator.
- 5. **Please refer to Diagram 5 in the Appendix** for a drawing of the air scoop used on the BBS, BBSN, and PTS Models.









### **Air Distributor Assembly Attachment to Cabinet**





1. Place the air distributor cover bracket behind the air distributor assembly and mount it to the desired location on the cabinet wall. (Two-line assembly shown.)



### **DRAFT ARM AND TEE TOWER INSTRUCTIONS**

### **Draft Arm Preparation**



Remove backing from foam gasket #57355-1. Attach the gasket to the bottom flange of the draft arm, ensuring the four mounting holes are aligned.

#### **Tee Tower Preparation**

There is no preparation needed for Tee Tower style dispensing heads.

### **Mounting Draft Arms or Tee Towers to a Cabinet Top**

**Note:** If you are mounting the tower to a counter top instead of the cabinet top, please refer to the section titled *Mounting Draft Arms or Tee Towers to a Counter Top* on the following page.



- 1. Most cabinets come with pre-drilled hole configurations in the cabinet top for mounting dispensing towers and drainers. However, if the holes need to be drilled during field installation, templates are available at <a href="https://www.perlick.com/bar-beverage-equipment/specifications-downloads/tower-and-drip-pan-templates/">www.perlick.com/bar-beverage-equipment/specifications-downloads/tower-and-drip-pan-templates/</a>.
- 2. Factory-provided tapping holes will have a wood block embedded in the cabinet top for additional support. It is recommended that you drill 3/32" pilot holes into the wood block for the four mounting holes on the tower flange. Remove the protective film paper from the area where the tower will be installed.



3. Attach the dispensing tower to the cabinet top using a flathead screwdriver. To prevent accidental scratches or gouges, cover the tower flange and cabinet top while mounting the tower. The tower should be sealed to the cabinet top with a food grade RTV silicone.

#### **Mounting Draft Arms or Tee Towers to a Counter Top**

1. A PVC tube, (Part #67562), is included in the tapping kit. This will be used as an air shaft when mounting to a counter top. **Please refer to Diagram 7 in the Appendix** for detail on how to mount a Draft Arm or Tee Tower to a counter top. The tower should be sealed to the cabinet top with a food grade RTV silicone.



### DRAFT ARM AND TEE TOWER INSTRUCTIONS, Continued

### **Attaching Faucets to Draft Arms or Tee Towers**





- 1. Align splines on faucet to nut on faucet head. Orient faucet so it is perpendicular to the cabinet top. Hand tighten.
- 2. Using the spanner wrench provided, snug faucet tight. Do not overtighten.

### Mounting the Beer/Wine Drainer to a Cabinet Top

**Note:** If you are mounting the drainer to a counter top instead of the cabinet top please refer to the section titled *Mounting the Beer/Wine Drainer to a Counter Top*.







- 1. Slide the threaded drainer nipple through cabinet top hole. On the underside of the cabinet top, tighten the drainer using the plastic nut. Take caution not to over-tighten.
- 2. Attach the nylon reducing bushing to the drainer until hand tight.
- 3. Attach the nylon elbow to the reducing bushing.





- 4. Slide the 1/2" ID anti-microbial drain tubing over the barbed end of the nylon elbow.
- 5. Use the nylon hose clips and self-drilling screws to secure the drain tubing to the cabinet walls. Ensure the tubing will be out of the way of loading and unloading kegs.
- 6. Route the anti-microbial tubing to the beer/wine collection drain or waste container. It may be routed to the floor drain located in the right rear corner of the cabinet. The cabinet floor drain must then be plumbed to an external drain. There are also knockouts provided on the cabinet ends as other options for exiting the cabinet.





- 7. Wine dispensing kits also include a polyethylene waste bottle as an optional method to collect wine waste. The waste bottle holder is hung over the rim of a keg and the waste bottle is snapped into the holder.
- 8. Apply a bead of silicone around the perimeter of the drainer.



DRAFT ARMS, 2-6 FAUCET TEE TOWERS, LUCKY AND PANTHER TOWERS

#### DRAFT ARM AND TEE TOWER INSTRUCTIONS, Continued

### Mounting the Beer/Wine Drainer to a Counter Top

**Note:** If you are mounting the drainer to the cabinet top instead of a counter top, please refer to the section titled *Mounting the Beer/Wine Drainer to a Cabinet Top.* 





- 1. Slide the 1/2" ID anti-microbial drain tubing over the end of drainer nipple. Feed the drain tubing through the drainer hole of the counter top and the cabinet top.
- 2. Use the nylon hose clips and self-drilling screws to secure the drain tubing to the cabinet walls. Ensure the tubing will be out of the way of loading and unloading kegs.





- 3. Route the anti-microbial tubing to the beer/wine collection drain or waste container. It may be routed to the floor drain located in the right rear corner of the cabinet. It must then be plumbed to an external drain. There are also knockouts provided on the cabinet ends as other options for exiting the cabinet.
- 4. Wine dispensing kits also include a polyethylene waste bottle as an optional method to collect wine waste. The waste bottle holder is hung over the rim of a keg and the waste bottle is snapped into the holder.



5. Apply a bead of silicone around the perimeter of the drainer. This will provide a seal as well as hold it in position.

### Running the Air Scoop Tubing to the Draft Arms or Tee Towers





- 1. Trim the black corrugated tubing from the air scoop so the tube is inserted approximately halfway into the dispensing head.
- 2. Use the mountable cable tie and a self-drilling screw to hold the black air tube out of the way of keg loading and unloading.



### DRAFT ARM AND TEE TOWER INSTRUCTIONS, Continued

### Attaching the Beer Line to the Draft Arms or Tee Towers

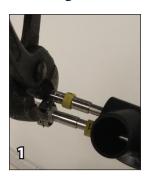






- 1. Insert rubber washer into end of beer line connector and attach to the beer fitting on the Draft Arm tower. Tighten with an adjustable wrench but do not over-tighten.
- 2. Insert rubber washer into the other end of the beer line and attach to keg coupler. Tighten with an adjustable wrench but do not over-tighten.
- 3. Repeat for each additional supply tubes.

### Attaching the Wine Line to Draft Arms or Tee, Lucky or Panther Towers







- 1. Push the flavor lock barrier tubing over the barbed connection on the wine tower and secure it with a clench style clamp.
- 2. Insert a rubber washer into the other end of the flavor lock barrier tubing and attach it to the keg coupler. Tighten with an adjustable wrench, but do not over-tighten.

**Note:** Keg couplers are constructed of 304 stainless steel to protect the flavor of beverages.

3. Repeat for each additional supply tube.



### DRAFT ARM AND TEE TOWER INSTRUCTIONS, Continued

### **Attaching the Gas Line Tubing**





- 1. Attach one end of gas line to a valve on the air distributor manifold and tighten with a hose clamp, using a 1/4" nut driver.
- 2. Repeat for each additional product line.
- 3. Attach the other end of the gas line to the keg coupler and tighten with a hose clamp, using a 1/4" nut driver.

### **Attaching the Tapping Hole Covers**



- 1. To comply with NSF standards, please attach the tapping hole covers provided.
- 2. The two piece cover can be adjusted to tighten snugly around beer lines and air scoop tubing.
- 3. Position covers tightly around tubing and mount to the bottom side of the cabinet top using a cordless drill with a 5/16" socket head bit and the self-drilling screws provided. Please refer to Diagram 3 in the Appendix.

#### Attaching the Air Distributor Cover



- 1. To comply with NSF standards, the air distributor cover should be installed. It easily can be removed to access the valves on the air distributor.
- 2. Each end of the cover has a knockout to provide clearance for the gas line. Remove the appropriate knockout.
- 3. Route the gas line through the side of the cover and hang the cover on the air distributor bracket. Please refer to Diagram 4 in the Appendix.

#### **Checking the System for Leaks**

- 1. It is important to ensure the entire system is leak free.
- 2. The system can be checked by doing a pressure decay test or by tapping the system and inspecting for product leaks and checking for gas leaks with soap and bubbles. Repair any leaks immediately.



#### **LUCKY AND PANTHER TOWER INSTRUCTIONS**

### **Lucky and Panther Tower Preparation**



- 1. Cut the plastic cable tie and remove the hose clamp.
- 2. Remove the plastic jam nut, mounting nut, flat washer, and second jam nut. Do not remove the rubber flange gasket.

### **Mounting Lucky or Panther Towers to a Cabinet Top**

**Note:** If you are mounting the tower to a counter top instead of the cabinet top please refer to the section titled *Mounting Towers Lucky or Panther Towers to a Counter Top.* 





- 1. Most cabinets come with pre-drilled hole configurations in the cabinet top for mounting dispense towers and drainers. However, if the holes need to be drilled during field installation, templates are available at <a href="http://www.perlick.com/bar-beverage-equipment/specifications-downloads/tower-and-drip-pan-templates/">http://www.perlick.com/bar-beverage-equipment/specifications-downloads/tower-and-drip-pan-templates/</a>.
- 2. Insert the threaded mounting shaft through the hole in the cabinet top. On the underside of the cabinet top place large flat washer over threaded shaft and tighten tower down using plastic nut. Take caution not to over-tighten nut. You will not use either of the jam nuts for the installation. The tower should be sealed to the cabinet top with a food grade RTV silicone.

#### Mounting Lucky or Panther Towers to the Counter Top

1. **Please refer to Diagram 8 in the Appendix** for a detailed drawing on how to mount Lucky or Panther towers to a counter top. The tower should be sealed to the counter top with a food grade RTV silicone.

#### **Attaching Faucets to Lucky or Panther Towers**





- 1. Align splines on faucet to nut on faucet head. Orient faucet so it is perpendicular to the cabinet top. Hand tighten.
- 2. Using the spanner wrench provided, snug faucet tight. Do not overtighten.



### **LUCKY AND PANTHER TOWER INSTRUCTIONS, Continued**

### Mounting the Beer/Wine Drainer to a Cabinet Top

**Note:** If you are mounting the drainer to a counter top instead of the cabinet top, please refer to the section titled *Mounting the Beer/Wine Drainer to a Counter Top.* 







- 1. Slide the threaded drainer nipple through the cabinet top hole. On the underside of the cabinet top, tighten down the drainer using the plastic nut. Take caution not to over-tighten.
- 2. Attach the nylon reducing bushing to the drainer until hand tight.





- 3. Attach the nylon elbow to the reducing bushing.
- 4. Slide the 1/2" ID anti-microbial drain tubing over the barbed end of the nylon elbow.





- 5. Use the nylon hose clips and self-drilling screws to secure the drain tubing to the cabinet walls. Ensure the tubing will be out of the way of loading and unloading kegs.
- 6. Route the anti-microbial tubing to the beer/wine collection drain or waste container. It may be routed to the floor drain located in the right rear corner of the cabinet. The cabinet floor drain must then be plumbed to an external drain. There are also knockouts provided on the cabinet ends as other options for exiting the cabinet.





- 7. Wine dispensing kits also include a polyethylene waste bottle as an optional method to collect wine waste. The waste bottle holder is hung over the rim of a keg and the waste bottle is snapped into the holder.
- 8. Apply a bead of silicone around the perimeter of the drainer.



#### **LUCKY AND PANTHER TOWER INSTRUCTIONS, Continued**

### Mounting the Beer/Wine Drainer to a Counter Top





- 1. Slide the 1/2" ID anti-microbial drain tubing over end of drainer nipple. Feed the drain tubing through the drainer hole of the counter top and the cabinet top. (The hose may be soaked in hot water prior to doing this to make it more flexible and better fit around the drain pipe.)
- 2. Use the nylon hose clips and self-drilling screws to secure the drain tubing to the cabinet walls. Ensure the tubing will be out of the way of loading and unloading kegs.





- 3. Route the anti-microbial tubing to the beer/wine collection drain or waste container. It may be routed to the floor drain located in the right rear corner of the cabinet. It must then be plumbed to an external drain. There are also knockouts provided on the cabinet ends as other options for exiting the cabinet.
- 4. Wine dispensing kits also include a polyethylene waste bottle as an optional method to collect wine waste. The waste bottle holder is hung over the rim of a keg and the waste bottle is snapped into the holder.



5. Apply a bead of silicone around the perimeter of the drainer. This will provide a seal as well as hold it in position.

#### Running the Air Scoop Tubing to the Lucky or Panther Towers



- 1. You will need parts bag #67835 to attach the black corrugated air tubing to the air-cooled fitting on the Lucky or Panther towers.
- 2. Insert the black corrugated air tubing into the 1-1/8" ID vinyl tubing and tighten with the hose clamp.
- 3. Attach the other end of the 1-1/8" vinyl tube to the air-cooled fitting on the Lucky or Panther tower and tighten with a hose clamp. **Refer to Diagram 6 in the Appendix.**



### LUCKY AND PANTHER TOWER INSTRUCTIONS, Continued Attaching the Beer Line to the Lucky or Panther Towers







- 1. On one end of the beer connector, cut off the beer nut fitting.
- 2. Push the beer line connector end over the barbed end of the product supply line and tighten with a clamp using a 1/4" nut driver or slotted screwdriver.







- 3. Insert the rubber washer into the other end of the beer line and attach to the keg coupler. Tighten with an adjustable wrench but do not over-tighten.
- 4. Repeat for each additional supply tube.

### Attaching the Gas Line Tubing





- 1. Attach one end of the gas line to a valve on the air distributor manifold and tighten with a hose clamp.
- 2. Repeat for each additional product line.
- 3. Attach the other end of the gas line to the keg coupler and tighten with a hose clamp.

#### **Attaching the Tapping Hole Covers**



- 1. To comply with NSF standards, please attach the tapping hole covers provided.
- 2. The two-piece cover can be adjusted to tighten snugly around beer lines and air scoop tubing.
- 3. Position the covers tightly around the tubing and mount to the bottom side of the cabinet top using a cordless drill with a 5/16" socket head bit and the self-drilling screws provided. Please refer to Diagram 7 in the Appendix.



### **LUCKY AND PANTHER TOWER INSTRUCTIONS, Continued**

### **Attaching the Air Distributor Cover**



- 1. To comply with NSF standards, the air distributor cover should be installed. It can be easily removed to access the valves on the air distributor.
- 2. Each end of the cover has a knockout to provide clearance for the gas line. Remove the appropriate knockout.
- 3. Route the gas line through the side of the cover and hang the cover on the air distributor bracket.

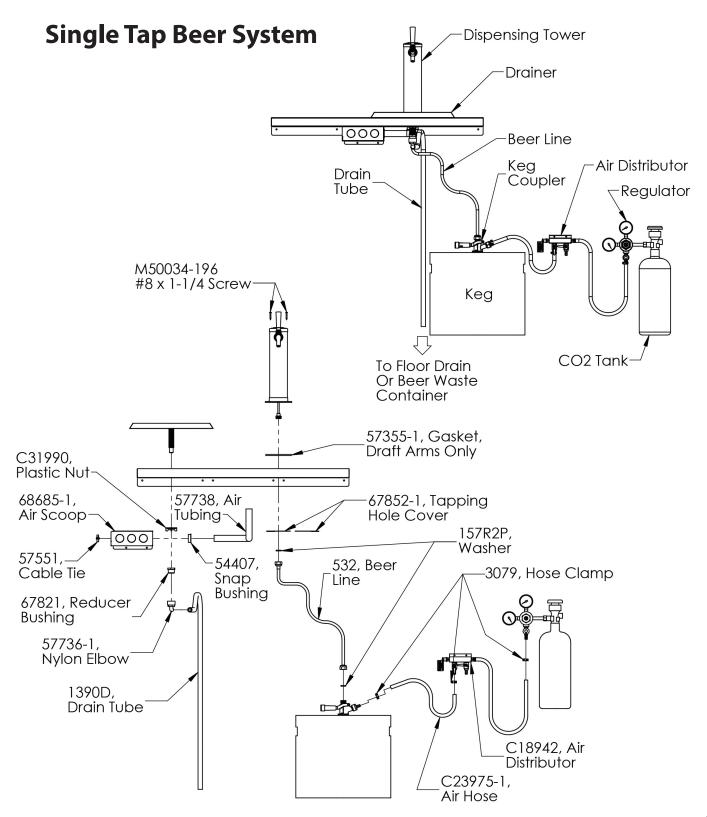
### **Checking the System for Leaks**

- 1. It is important to ensure the entire system is leak free.
- 2. The system can be checked by doing a pressure decay test or by tapping the system and inspecting for product leaks and checking for gas leaks with soap and bubbles. Repair any leaks immediately.



DRAFT ARMS, 2-6 FAUCET TEE TOWERS, LUCKY AND PANTHER TOWERS

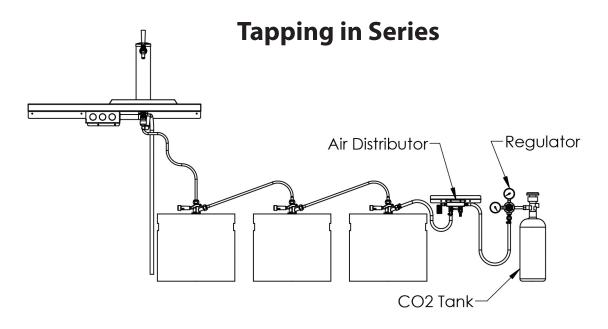
### **APPENDIX - DIAGRAM 1**

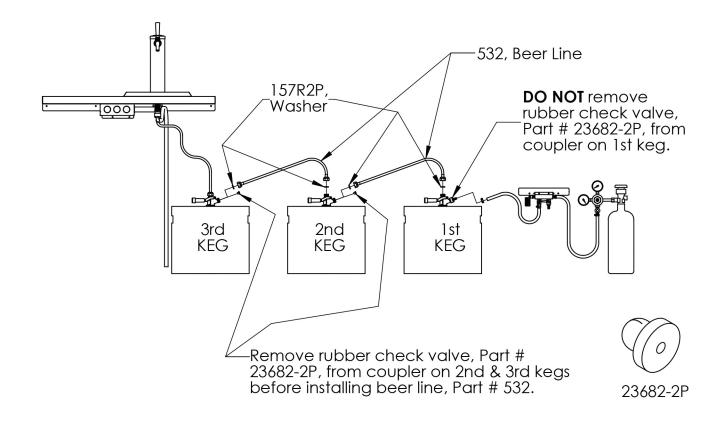




DRAFT ARMS, 2-6 FAUCET TEE TOWERS, LUCKY AND PANTHER TOWERS

### **APPENDIX - DIAGRAM 2**



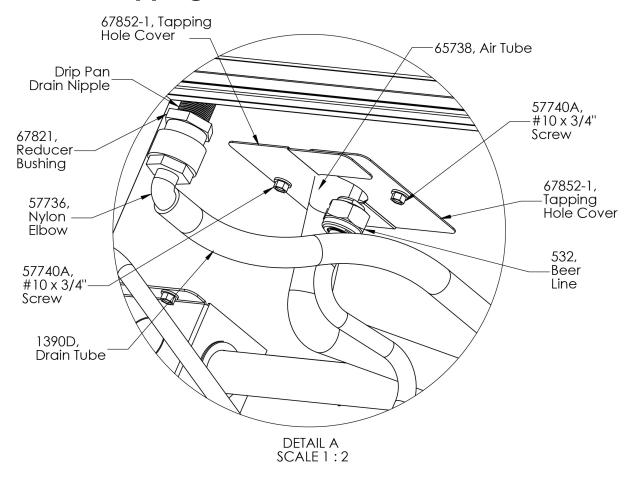


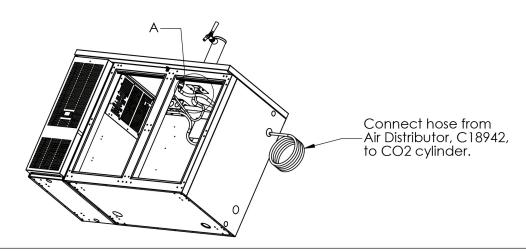


DRAFT ARMS, 2-6 FAUCET TEE TOWERS, LUCKY AND PANTHER TOWERS

### **APPENDIX - DIAGRAM 3**

## **Drip Pan Drain Connection and Tapping Hole Cover Installation**



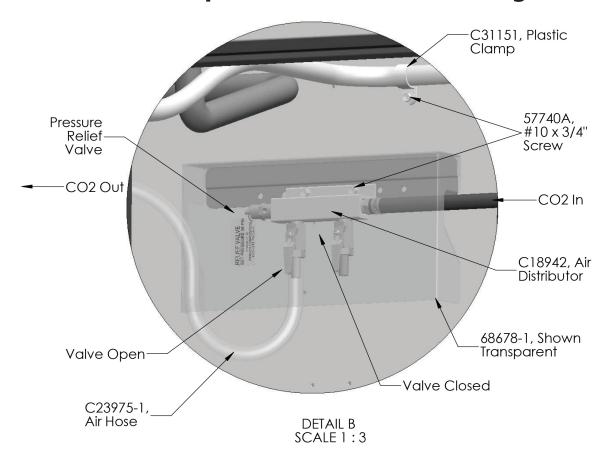


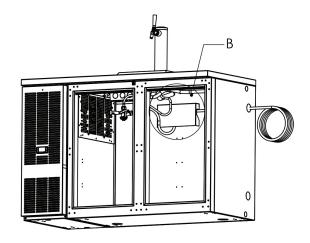


DRAFT ARMS, 2-6 FAUCET TEE TOWERS, LUCKY AND PANTHER TOWERS

### **APPENDIX - DIAGRAM 4**

## Air Distributor Connections and Excess Drip Pan Drain Tube Mounting

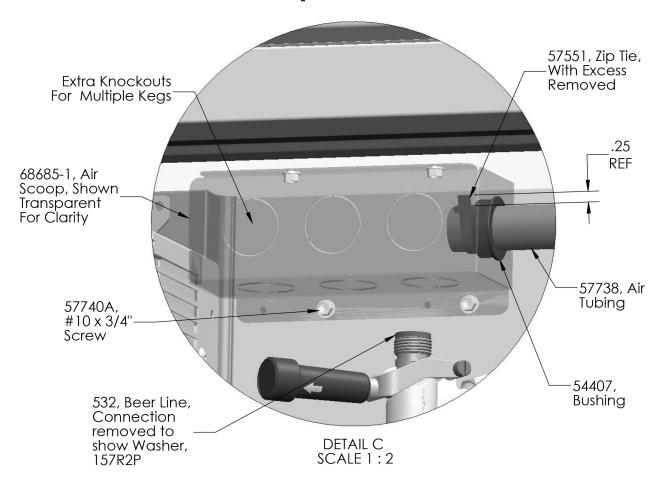


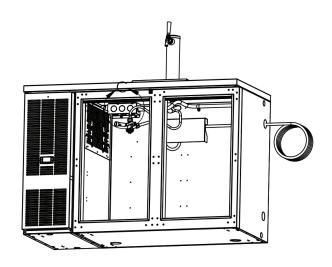




### **APPENDIX - DIAGRAM 5**

### **Air Scoop Installation**



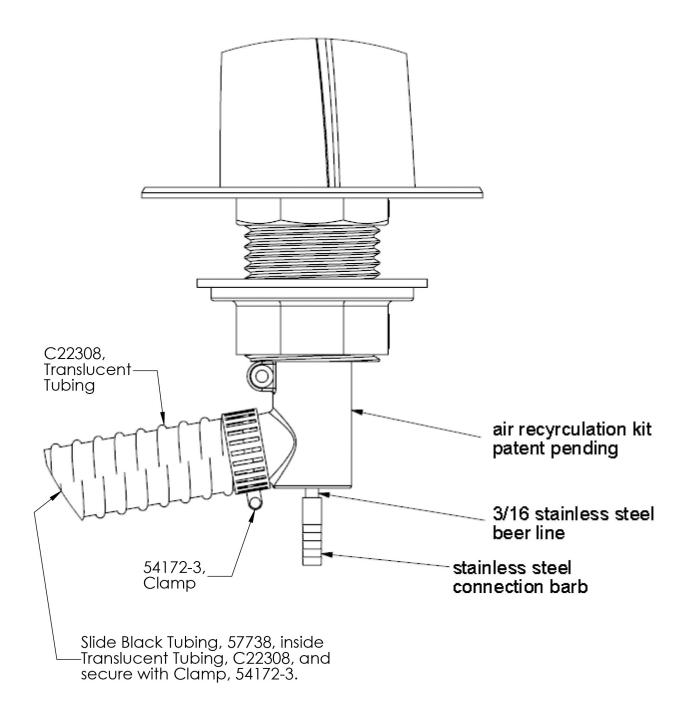




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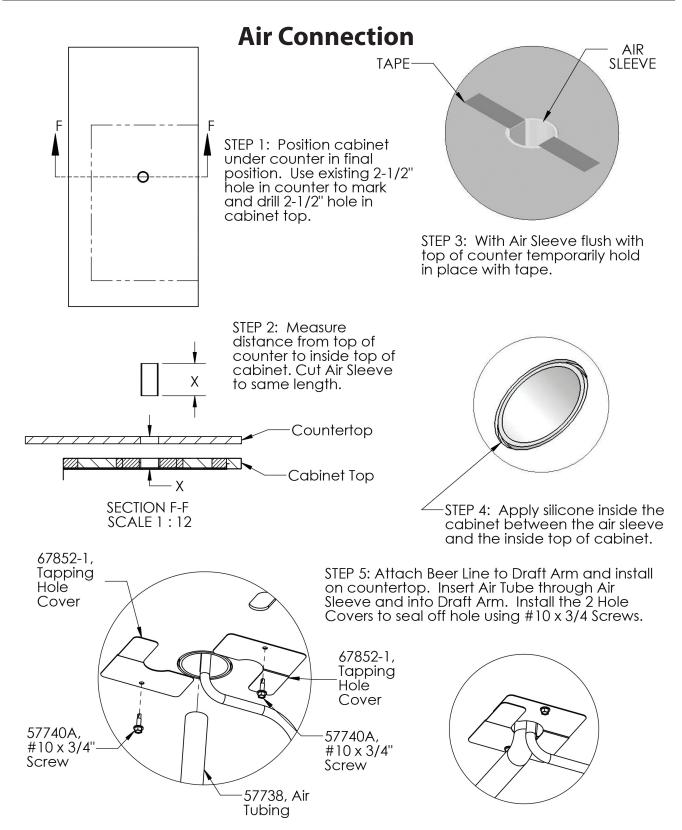
### **APPENDIX - DIAGRAM 6**

## Air Sleeve Installation through Countertop and Back Bar Cabinet





### **APPENDIX - DIAGRAM 7**





DRAFT ARMS, 2-6 FAUCET TEE TOWERS, LUCKY AND PANTHER TOWERS

### **APPENDIX - DIAGRAM 8**

## **Lucky and Panther Tower Mounting Reference**

