

PGN8EBF
PGN8FEBF (filtered)

PGN8EBF, PGN8FEBF Shown

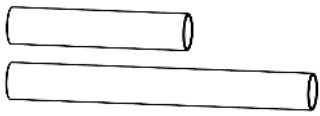
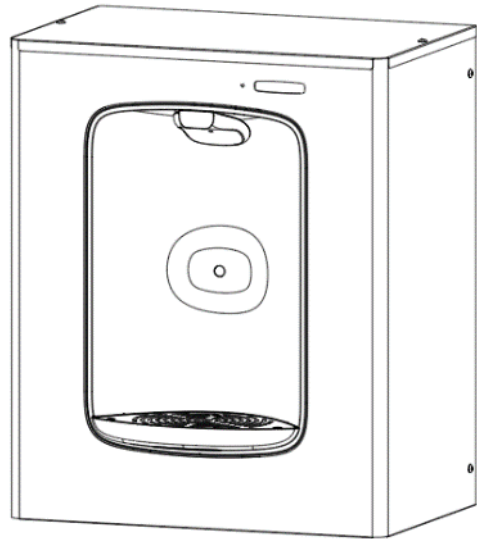
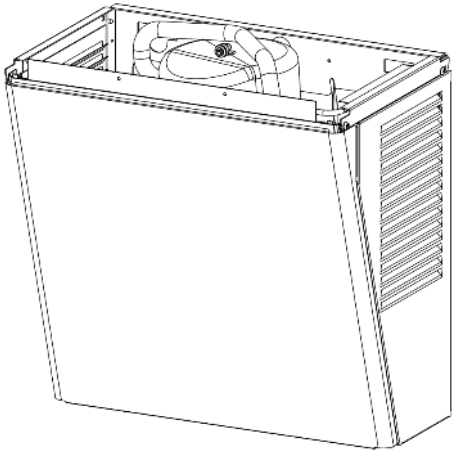
QUASAR UV-C LED WATER TREATMENT
PGN8FEBQ (filtered)

Wall Mounted Contactless Refrigerated Bottle Filler

INSTALLATION INSTRUCTIONS

Section 1: Getting Started

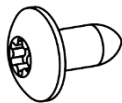
What's Included:



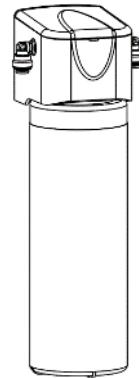
Drainpipe
x2



Drain Elbow
x2



T15 Torx Screws
x2



Filter
(Included in Filtered
Model Only)

Tools & Hardware Required:

- Electric drill/driver
- Small tubing cutter for plastic line
- 1/4" nut driver
- Means to cut 1-1/4" drain pipe
- T15 Torx screwdriver and bit
- 4 appropriate anchors (not supplied)

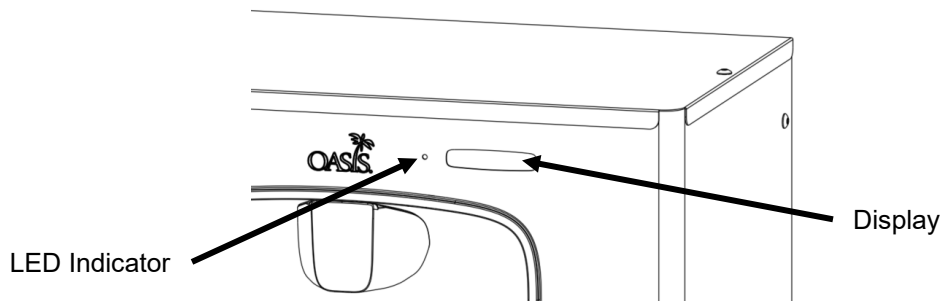
Section 2: IMPORTANT QUASAR REQUIREMENT

CAUTION: DO NOT ACTIVATE BOTTLE FILLER ELECTRIC EYE SENSOR WITHOUT RUNNING WATER THROUGH THE UV-C MODULE. OPERATING THE UV-C MODULE DRY MAY DAMAGE THE UV-C LED'S.

Section 3A: QUASAR® UV-C LED OPERATION

1. QUASAR is a form of dispense point water treatment that utilizes UV-C LED's to inactivate pathogens.
2. Operation:
 - a. The QUASAR activation is automatic. The UV-C LED's turn ON when water is dispensed and OFF when the dispense stops.
 - b. During non-use periods the QUASAR automatically cycles ON for ten seconds every ten minutes. This keeps the dispense point more sanitary between use.
 - c. When the QUASAR is ON, the LED light on the front of the alcove near the top will turn BLUE.
 - d. If QUASAR is not working properly, then the LED light on the front of the alcove near the top will be ORANGE. The light will remain ORANGE and the system will not allow water to be dispensed until the problem is resolved.
 - e. **IMPORTANT:** Never operate the QUASAR without water connected to the system. Lack of water can cause the QUASAR to overheat. If it is necessary to activate QUASAR to purge the system of air, then the QUASAR will automatically shut off if it overheats. The QUASAR will resume operation once water begins to flow through it and/or once the module returns to safe operating temperature.

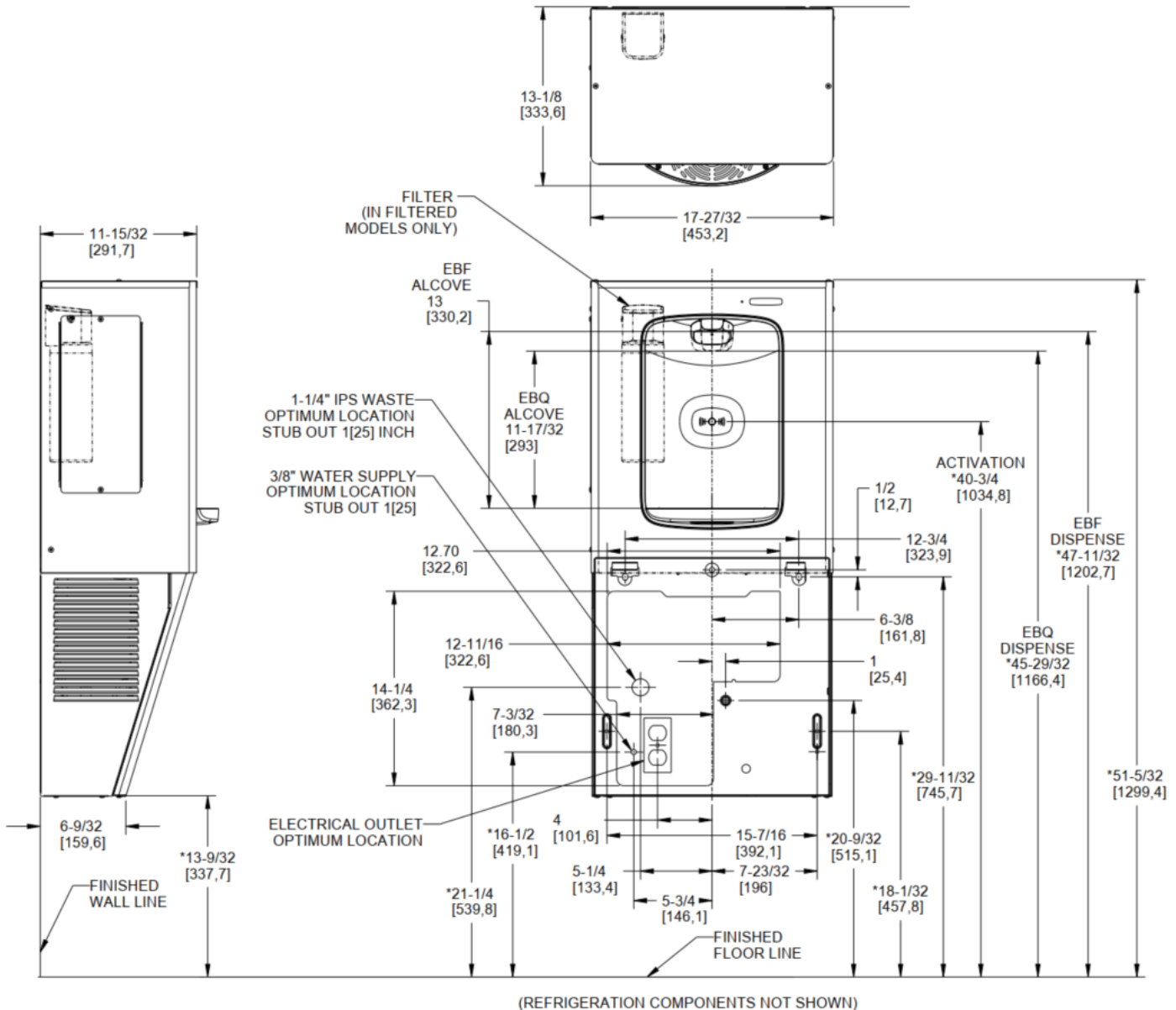
Section 3B: QUASAR LED Indicator Key



LED Color	Display	Condition	Action
Orange	"UVC OFF- TURN ON WATER SUPPLY"	While dispensing, UVC temperature is too high.	Ensure water supply is ON. If initial start-up: Activate the bottle filler to dispense water. LED will turn BLUE when water flows.
Green	"BOTTLES SAVED"	Standby mode – filter life <80% used.	No action needed.
Yellow	"BOTTLES SAVED"	Standby mode – filter life >80% used but <100%.	Order new filter.
Red	"BOTTLES SAVED"	Standby mode – filter life =100% used.	Replace the filter.
Blue	"UVC DISINFECTION IN PROCESS"	Dispensing – bottle sensed by IR sensor and UVC operating properly.	No action needed.
Orange	"UVC REQUIRES SERVICE" (Remains ON even in standby.)	Water cannot be dispensed.	Check electrical connections to UVC and reset power first. Replace UVC if necessary.

Section 4: Single Level Rough-In Drawing

PGN8EBF
PGN8FEBF
PGN8FEBQ



NOTES:

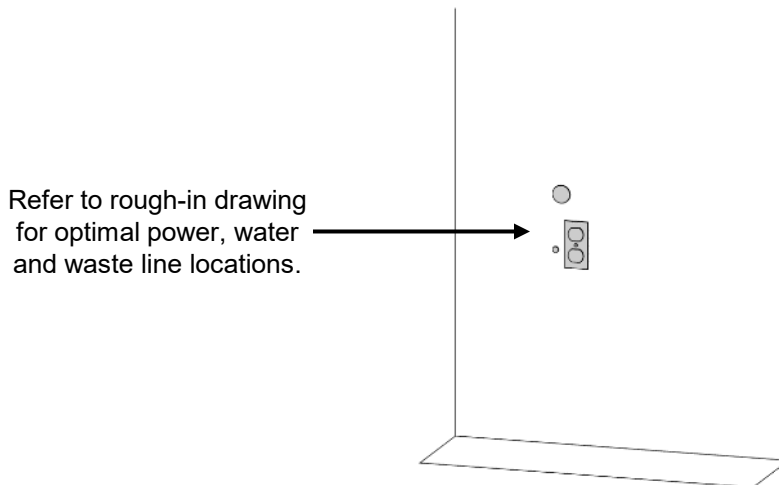
1. TRAP, STOP VALVE AND ELECTRICAL OUTLET NOT FURNISHED.
2. ALLOW 4 INCHES [102MM] MIN. PER SIDE FOR VENTILATION.
- * 3. RECOMMENDED ADULT BARRIER FREE HEIGHT INSTALLATION SHOWN. REDUCE HEIGHT BY 3 INCHES FOR INSTALLATIONS USED PRIMARILY BY CHILDREN AGES 12 AND YOUNGER. UNIT SHALL ALSO HAVE A MINIMUM CLEAR FLOOR SPACE 30[760] BY 48[1220]. ADJUST VERTICAL DIMENSIONS AS REQ'D TO COMPLY WITH FEDERAL, STATE, AND LOCAL CODES.
4. ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

Section 5: Preparation

Read these instructions before installing the unit.

1. Inspect the carton and water cooler for evidence of rough handling and concealed damage. Damage claims should be filed with the carrier.
2. Locate and install plumbing and electrical service, if required, in accordance with Roughing-in Drawing. **See page 3.**

Note: The following states require a licensed plumber to install cooler; AR, GA, MA, MI, OK, RI, SC, SD, TX, VT and WI. CA, KS, MN, NM and OR allow for a state-registered installer or contractor as well. State and local plumbing codes may prohibit the use of saddle tapping valves for water line connection in some applications. All connections must conform to applicable plumbing codes.

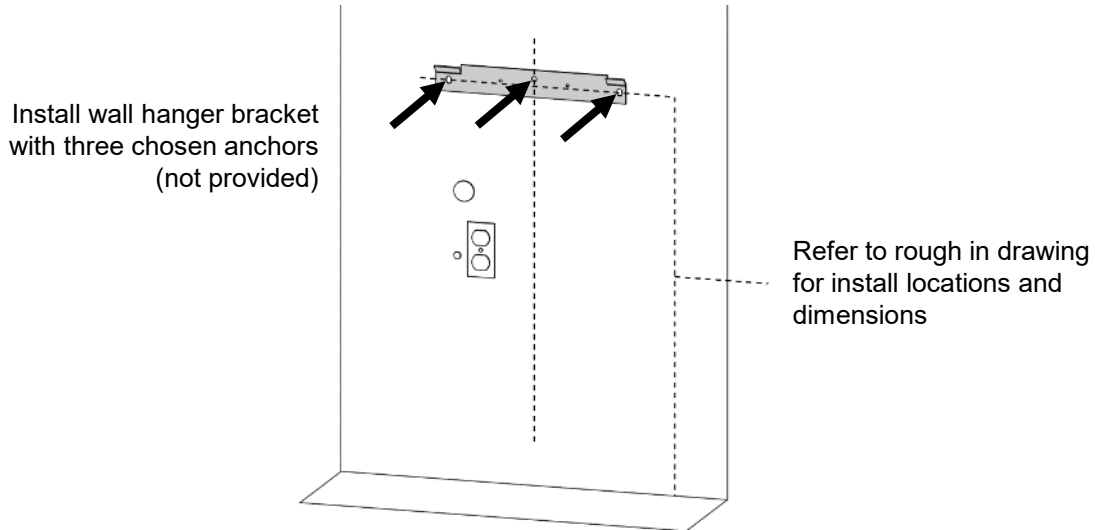


3. This drinking water cooler is designed to be operated at a water supply line pressure of up to 100 psi (690 kPa). A pressure regulator must be installed in front of unit's water inlet if water pressure (including any possible pressure spikes) could exceed 100 psi (690 kPa).
4. Check available power supply against the water cooler data plate to ensure correct electrical service. This drinking water cooler is intended to be connected to a 20A minimum ground fault circuit interrupting (GFCI) device to meet UL requirements. The rear most 1-3/8" diameter knockout in frame bottom is for an externally located electrical supply. Make sure knockout hole edge is smooth and free of any burrs. Use of a Heyco bushing #2184 in knocked out hole is recommended in order to prevent damage to service cord and to close up excess opening around cord. Route cord so it does not interfere with ADA space requirements.

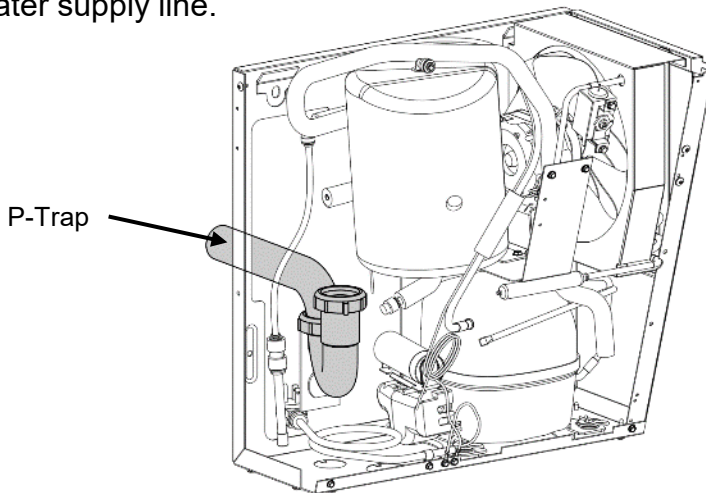
CHILLER INSTALLATION

Section 6: Chiller Installation

1. Install the wall hanger onto the wall according to the rough-in drawing. **See page 3.** The Wall hanger is shipped fastened to the back of the chiller unit.



2. Once the chiller unit is hung on the wall, Install a p-trap in the waste line and a shut off valve in water supply line.



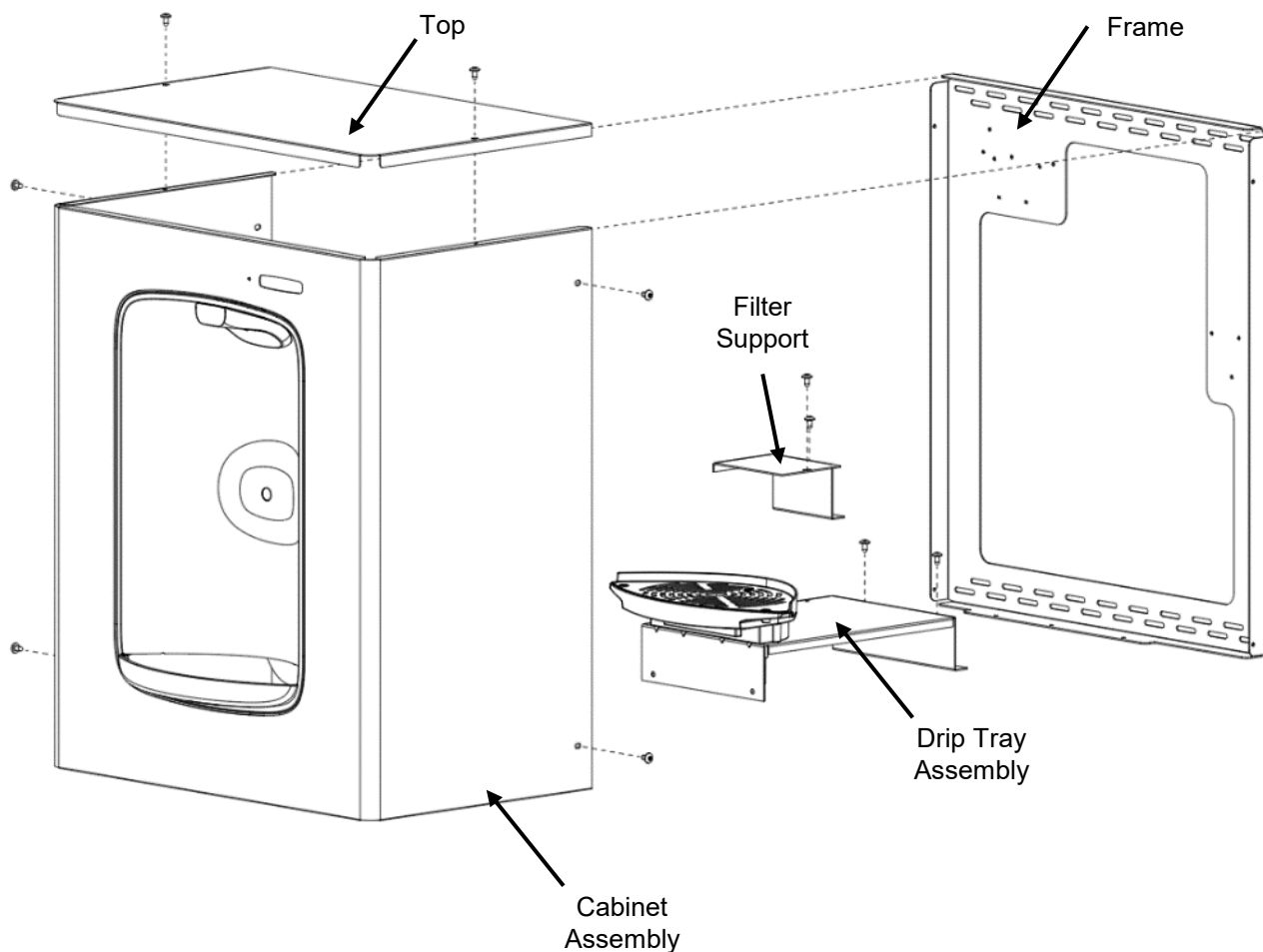
3. An in-line strainer is furnished in "Water Supply" tube. Connect "Water Supply" tube to shut-off valve. **NOTE:** This connection should not be a solder joint or flare connection to allow access to the strainer for service. Using one of the 1-3/4" diameter knockouts for a waste line is not recommended because of a potential conflict with ADA toe space clearance requirements. Check your local building code inspector for approval.
4. Rotate fan blade by hand to see that it is free of obstructions.
5. Leave the front panel off for the Bottle Filler installation.

BOTTLE FILLER INSTALLATION

Section 4: Installation

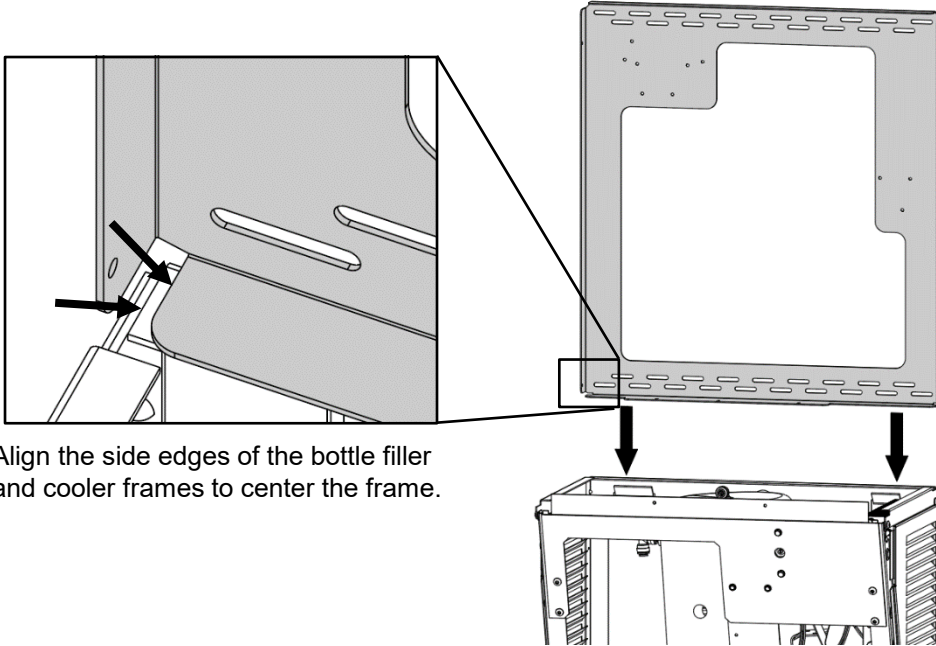
1. The PGN8EBF, PGN8FEBF and PGN8FEBQ come partially assembled for shipping. Remove the kit from the packaging and separate it into the assemblies and components shown below.

Tool Needed: T15 Torx bit



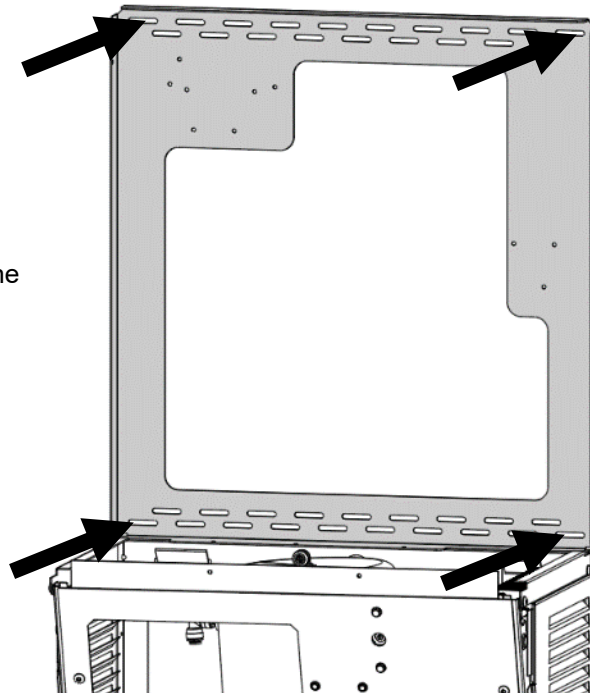
Section 4: Installation

2. Place the bottle filler frame against the wall and set it onto the top flange of the chiller frame.



Align the side edges of the bottle filler and cooler frames to center the frame.

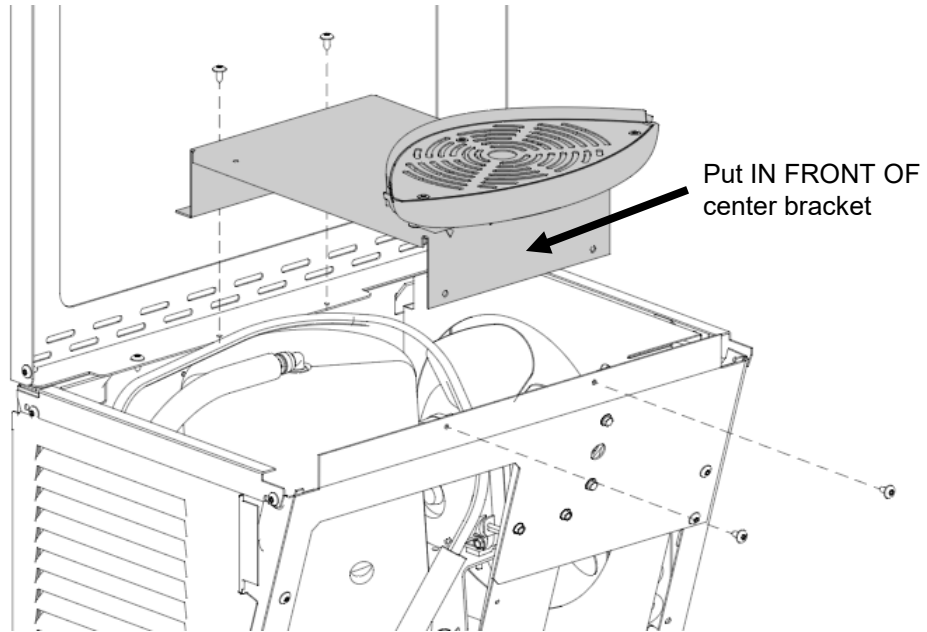
3. Affix the frame to the wall with at least 4 anchors into any appropriate anchor points through the staggered slotted holes. **Be careful to ensure the frame stays centered on the cooler frame.**



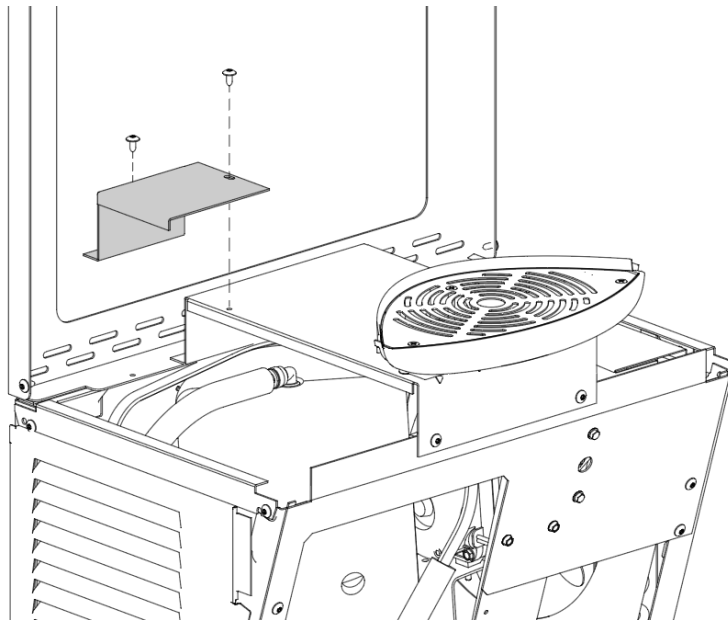
Choose a minimum of 4 anchors appropriate for the surface the unit is being mounted to. Anchors are not provided.

Section 4: Installation

4. With 4x T15 Torx screws, assemble the drip tray assembly to the center bracket and wall frame.



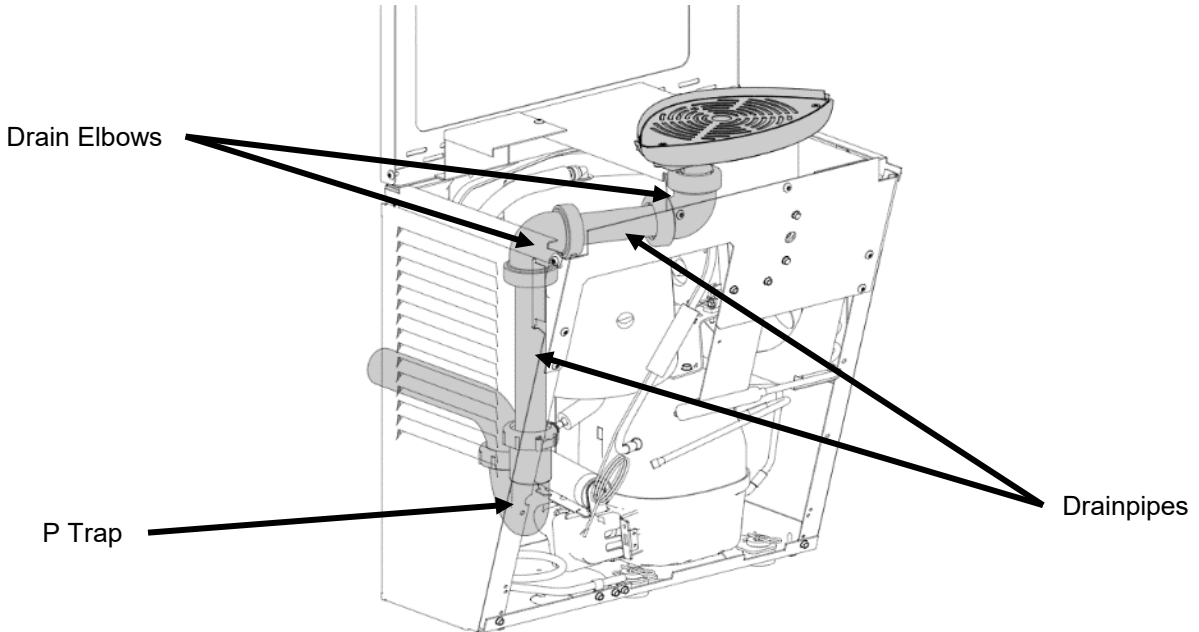
5. Attach the filter support bracket with 2x T15 Torx screws to the frame and drip tray support bracket. This bracket helps to prevent the filter cartridge from falling into the cooler unit below during installation or replacement.



Section 4: Installation

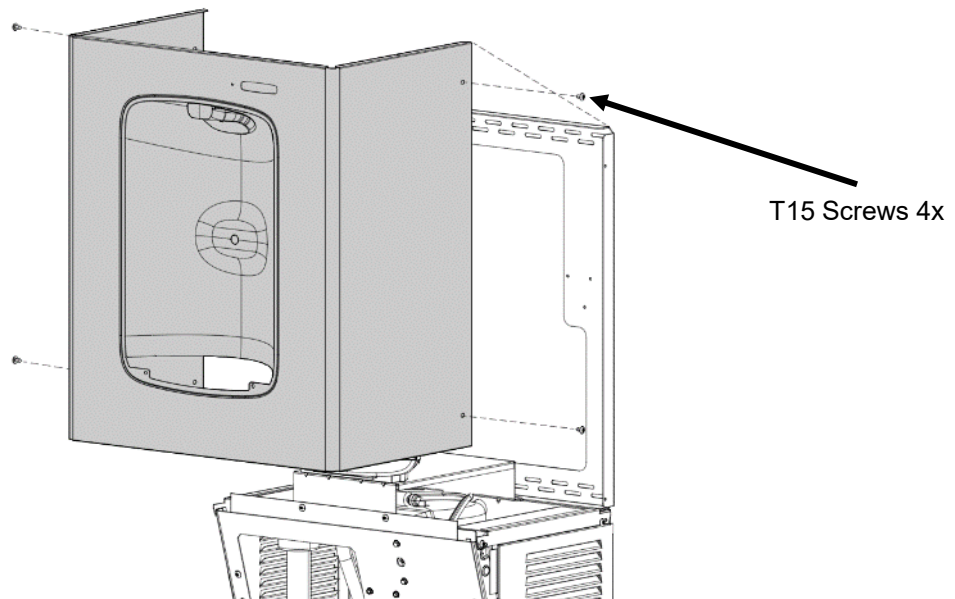
6. Attach one of the drain elbows to the drip tray stem. Insert the drainpipe provided into the elbow and then attach another elbow onto the pipe. Use the remaining drainpipe and connect the drip tray drainage system to the installed P-trap.

NOTE: Drainpipes will need to be positioned and cut to length as needed.



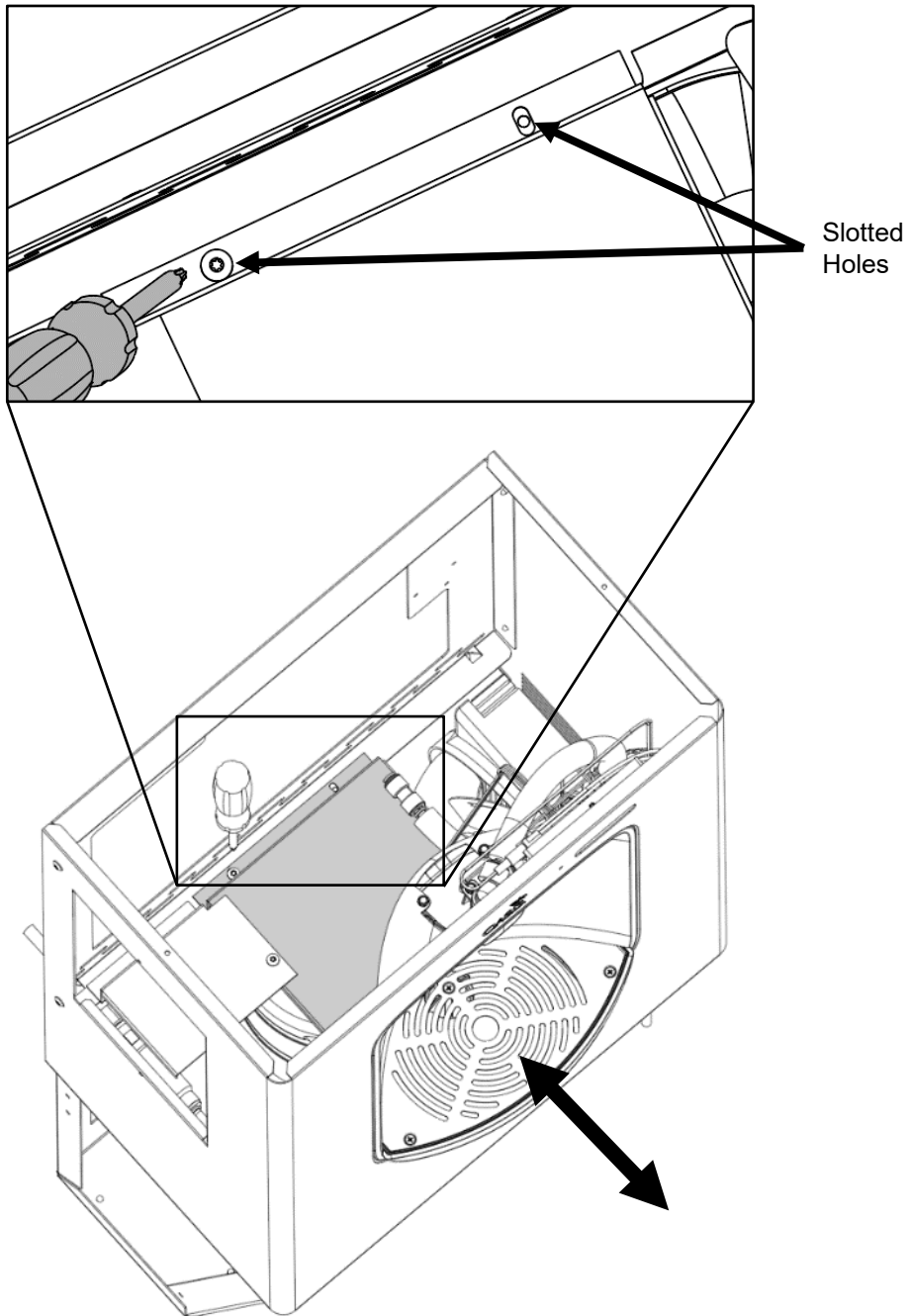
7. Assemble PGN8EBF wrapper to the installed frame. Rest the alcove on the drip tray and ensure the wrapper walls rest OUTSIDE of the frame and side brackets.

NOTE: The drip tray will hold the weight of the wrapper but it is recommended to keep a hold on the unit during installation for safety.



Section 4: Installation

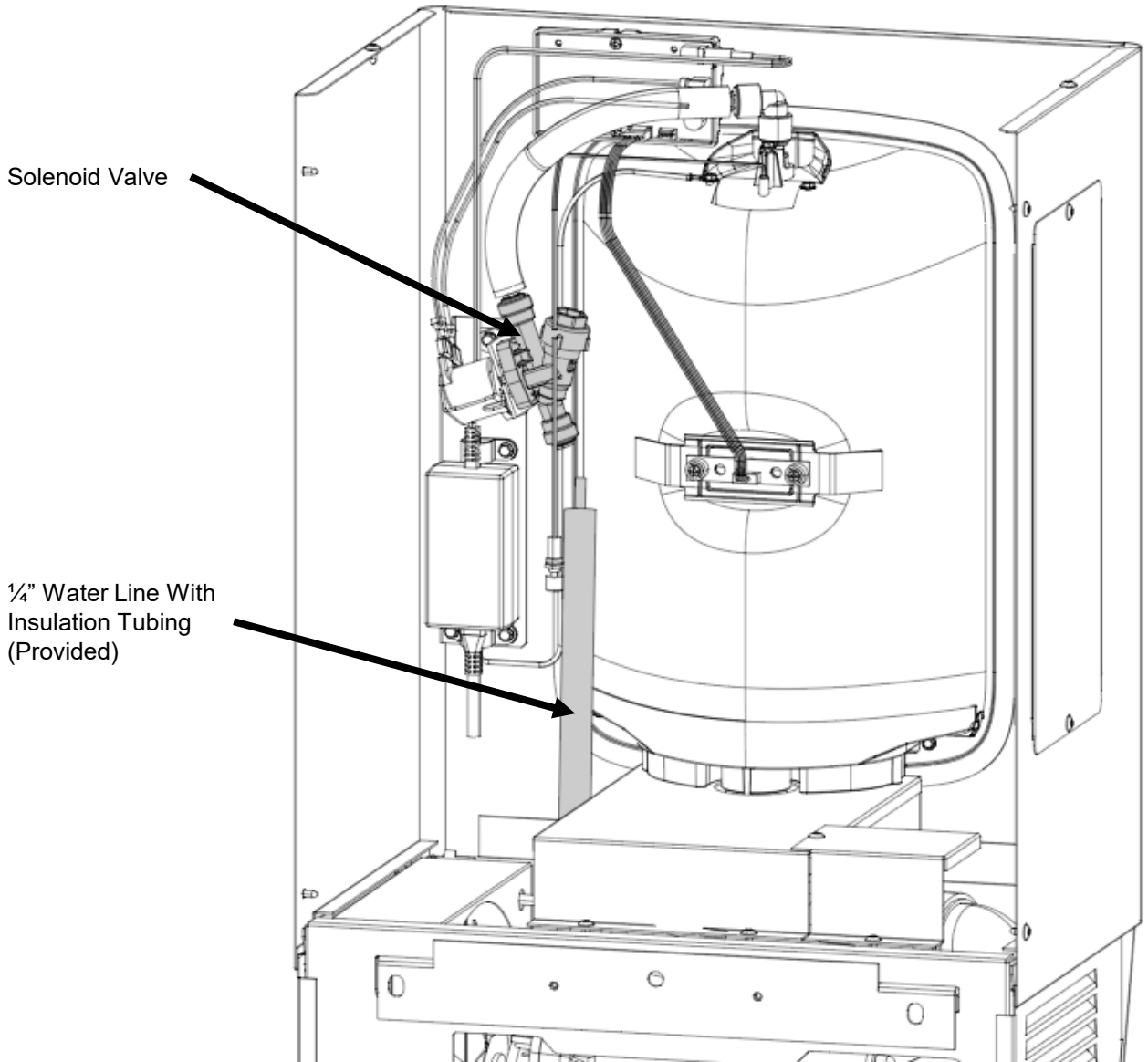
8. If the outer edge of the drip tray is not properly aligned, loosen the screws mounting the filter support and drip tray bracket to the frame and push forward or back as needed. Then retighten the screws.



Section 4: Installation

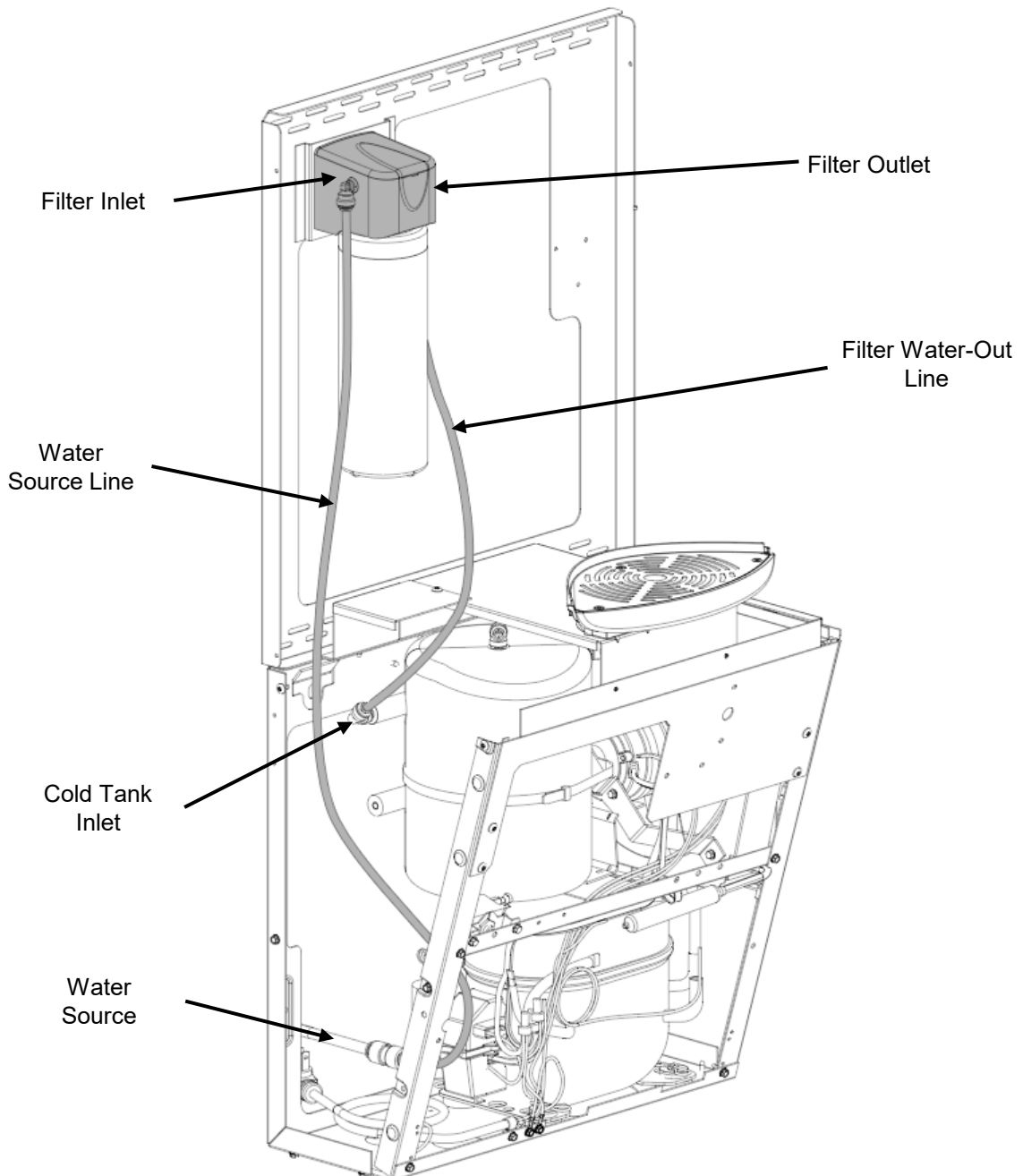
FOR UNFILTERED MODEL ONLY.

9. Route the insulated cold water-out line up into the bottle filler cabinet and connect it to the solenoid valve located in the alcove.



FOR FILTERED MODEL ONLY.

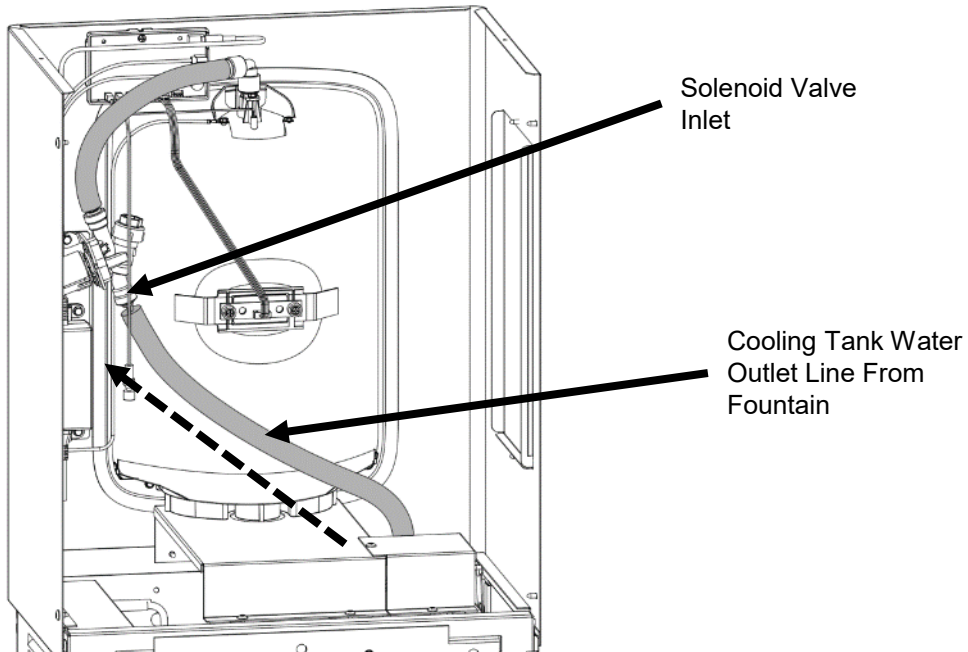
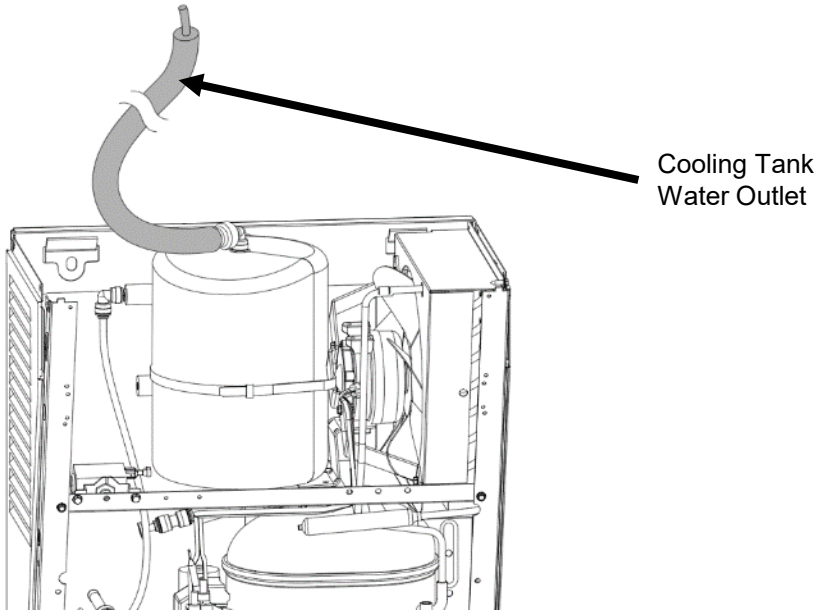
9. Connect the preassembled water source line to the shutoff valve. Note that there is an in-line strainer inside the copper tubing of the water source line. **IMPORTANT: It is required to keep in-line strainer in system for unit to function properly; removing strainer can cause damage to solenoid valve and/or cartridge system (if applicable).** DO NOT turn the water on. Next, connect the filter water-out line which is connected to the cold tank inlet, to the filter outlet fitting.



Section 4: Installation

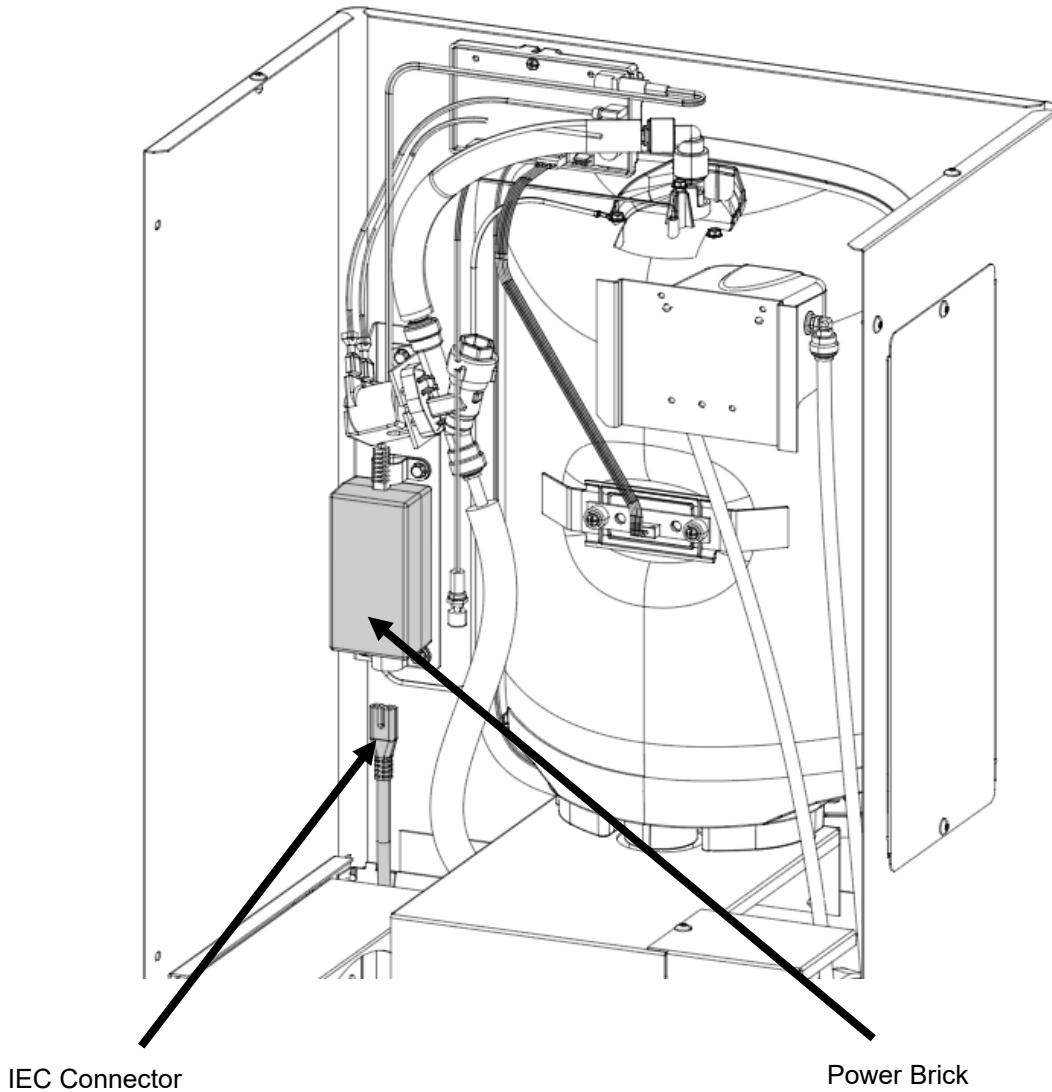
FOR FILTERED MODEL ONLY.

9. After the frame has been installed (not shown), insert the insulated water line from the cold tank into the solenoid located at the top of the alcove assembly.



Section 4: Installation

10. Connect the IEC connector to the power brick located behind the alcove of the bottle filler. It is recommended to route the power cord from side opposite of the condenser fan to ensure it does not become an obstruction.



FOR UNFILTERED MODEL ONLY.

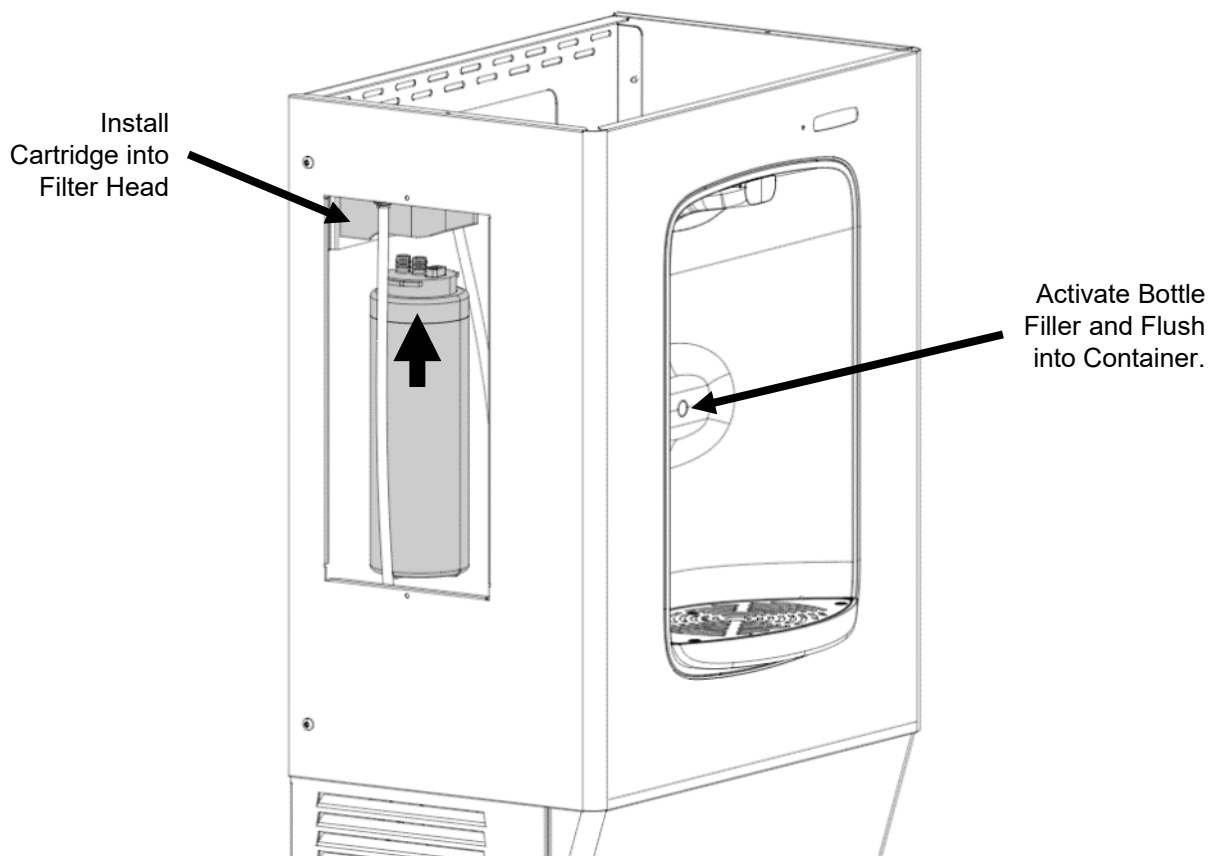
10. Turn on water source and check for leaks.
11. Ensure nothing is obstructing the fan blade. Plug the power cord back into the wall outlet and then test to ensure the bottle filler is functioning properly.

Section 4: Installation

FOR FILTERED MODEL ONLY.

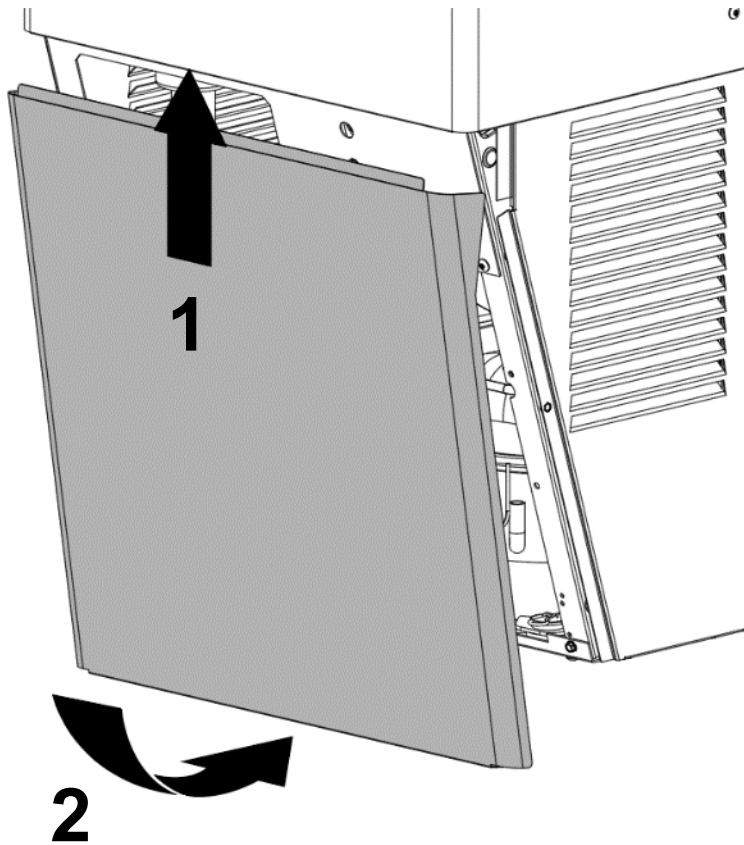
10. Install the provided filter cartridge by inserting the cartridge into the filter head and then rotating 90 degrees until secured.
11. To flush the filter, ensure that the condenser fan is free from obstructions and plug in the unit, then turn on the water source. Check for leaks.

Dispense water into a container until the water becomes clear.



Section 4: Installation

12. Once the unit has been verified to be functioning properly, install the front cover panel by inserting the top flanch up between the wrapper and center bracket, then tipping the panel back to the fountain. Secure it with the 2x #8 hex or 2x T15 screws at the base of the unit.



INSTALLATION COMPLETE.

Section 8: Maintenance and Decommissioning

Maintenance

1. Inspection of condenser should be made at 3-month intervals. To remove dirt and lint from condenser, disconnect power supply cord, then use small stiff non-wire or vacuum cleaner attachment brush. Observance of this procedure will ensure adequate air circulation through condenser so operation is efficient and economical.
2. Outside of unit can be wiped clean with mild soap and water mixture. Never use harsh chemicals or abrasive cleaners, including any chlorine solutions. Rinse thoroughly with clean water, then dry surfaces.

Overload Protection

The compressor motor, where used, is equipped with an automatic reset protector which will disconnect the motor from the line in case of an overload.

Lubrication

This unit is equipped with a hermetically sealed compressor and requires no additional lubrication. The fan motor, where used, on this unit seldom needs oiling, but if required, a few drops of SAE 10 oil should be used.

To Discontinue use of Water Cooler

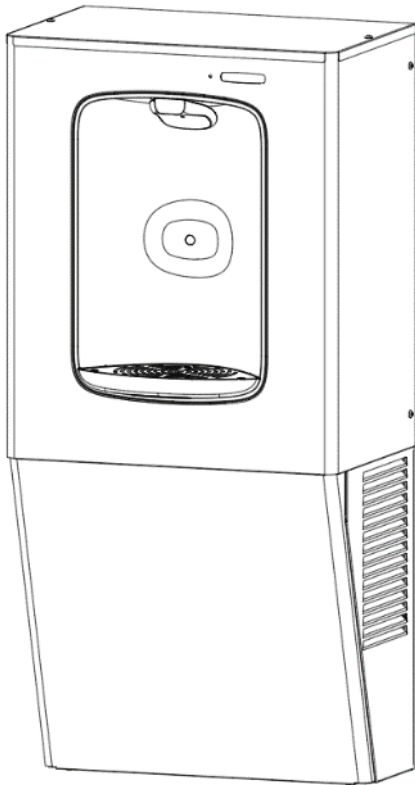
1. Close water shut-off valve and disconnect power to the **CHILLER**.
2. Provide container to catch water to be drained and place under the cold tank drain.
3. Remove the drain plug from the drain tube.
4. Actuate the bottle filler and allow the water to drain into the bucket. Replace drain plug.
5. Disconnect power to the **BOTTLE FILLER**.
6. Disconnect the water supply line at the shut-off valve.

WARNING

The warranty and the Underwriters' Laboratory Listing for this machine are automatically voided if this machine is altered, modified, or combined with any other machine or device. Alteration or modification of this machine may cause serious flooding and/or hazardous electrical shock or fire. EXCEPT AS SET FORTH HEREIN, THE MANUFACTURER MAKES NO OTHER WARRANTY, GUARANTEE OR AGREEMENT EXPRESSED, IMPLIED OR STATUTORY, INCLUDING ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Wall Mounted Refrigerated Bottle Filler

Installation Instructions



PGN8EBF, PGN8FEBF Shown

P/N 030099-704 Rev. A, Date: 01/2024
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