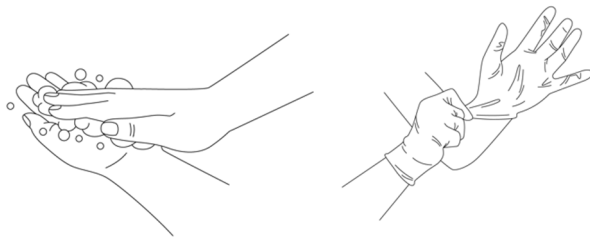


DSU-H Installation at Bottle Fillers and Drinking Fountains

1

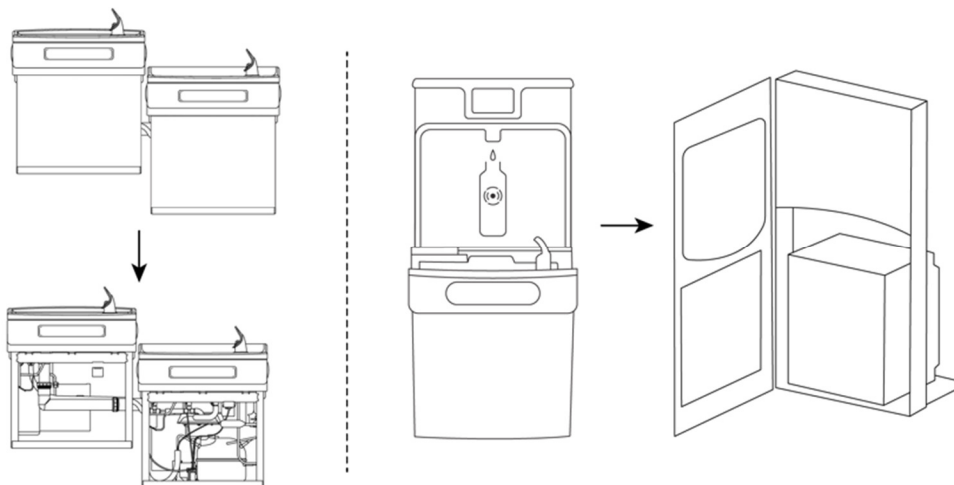


READ the entire installation guide and precautions before starting.

WASH hands.

WEAR gloves before handling filter (do not remove blister pack).

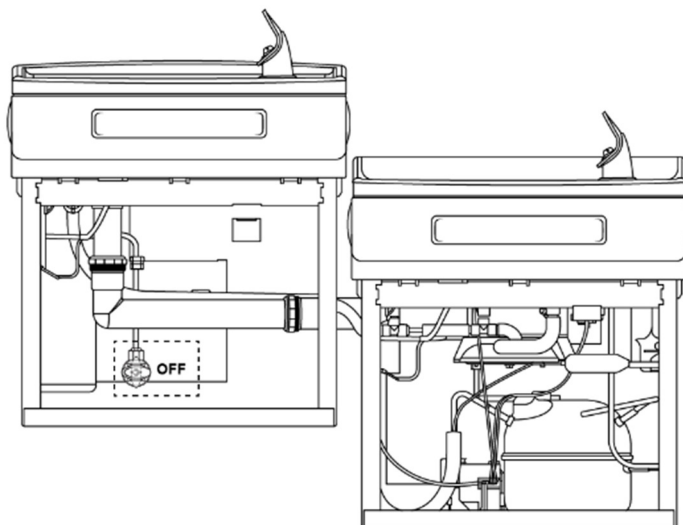
2



REMOVE access panel(s) of water station.

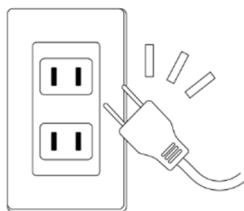
Two different configurations shown.

3



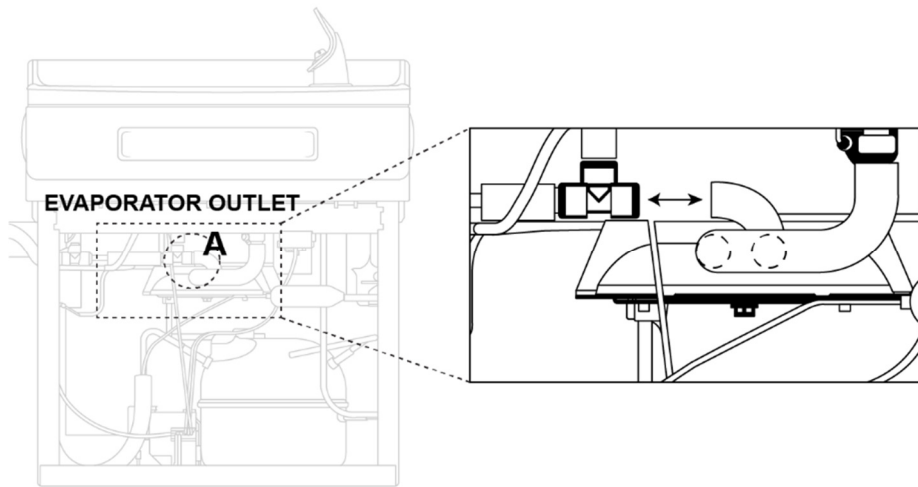
TURN OFF the water supply valve.

4



DISCONNECT plug(s) from electrical outlet(s)

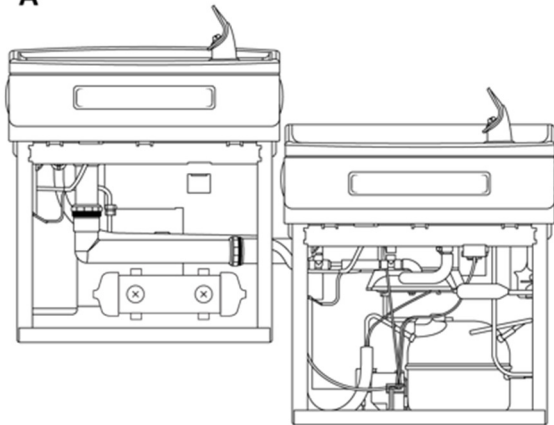
5



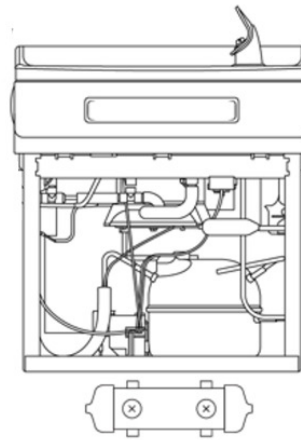
DISCONNECT outlet (brass) tubing of evaporator from tee/union going to bottle filler / fountain dispenser at location (A). This tubing may be 1/4" or 3/8".

6

A



B

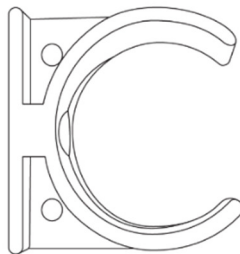


NOTE: Side A in graphic shows dual unit with space for filter inside the unit; Side B in graphic shows a single unit with filter placed outside the unit.

If there is not enough space for the filter within the unit, INSTALL filter outside of equipment.

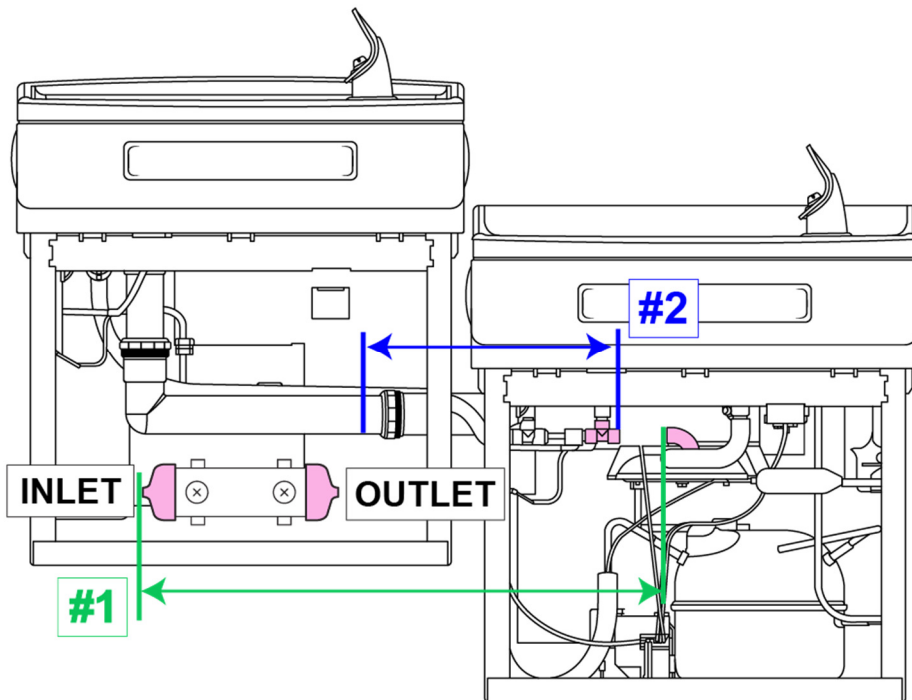
PLACE DSU template in appropriate location, and mark placement for C-Clips.

7



INSTALL C-Clips with provided self-tapping screws (Reference Install Kit - Bottle Filler / Fountain, 70-0346) or adhesives (reference Drill Free C-Clip Anchor Kit, 70-0345) as defined by DSU template.

8



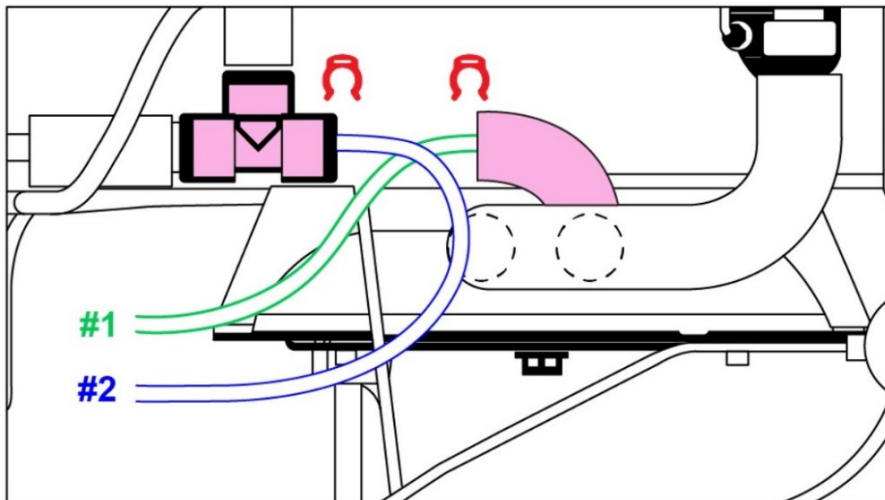
CUT new 3/8" tubing to be used before and after the DSU-H. Be sure to account for an adequate bend radius ($\geq 1.25"$) when determining lengths of each piece of tubing.

CONNECT evaporator to filter inlet using new tubing and provided unions and adapters. New tubing should span length of #1 in image.

CONNECT filter outlet to tee/union going to bottle filter / fountain using new tubing so that it spans the length of #2 in image.

Do NOT INSTALL filter yet.

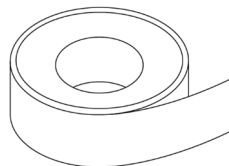
9



CONNECT end of tubing #1 to evaporator. Push-fit end of tubing #2 to tee/union.

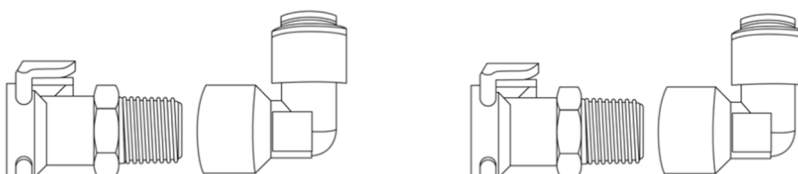
SECURE push-fit connections using provided red locking clips.

10



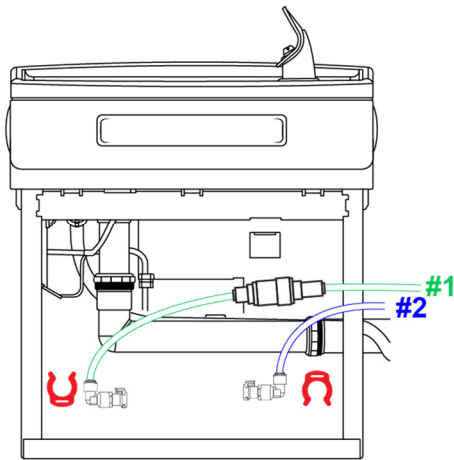
WRAP threads of 2 quick connectors with Plumber's tape 3 times in clockwise direction.

11

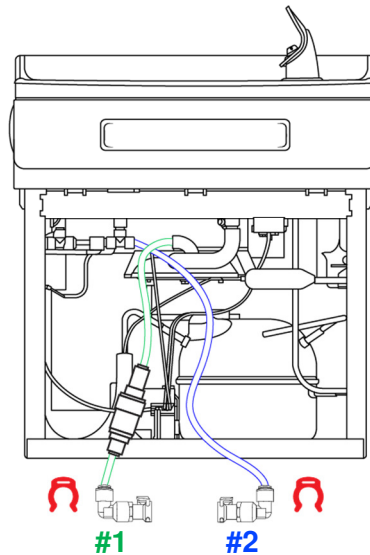


THREAD 2 quick connectors into the 2 provided 3/8" FNPT Push-fit elbows.

12 A



B



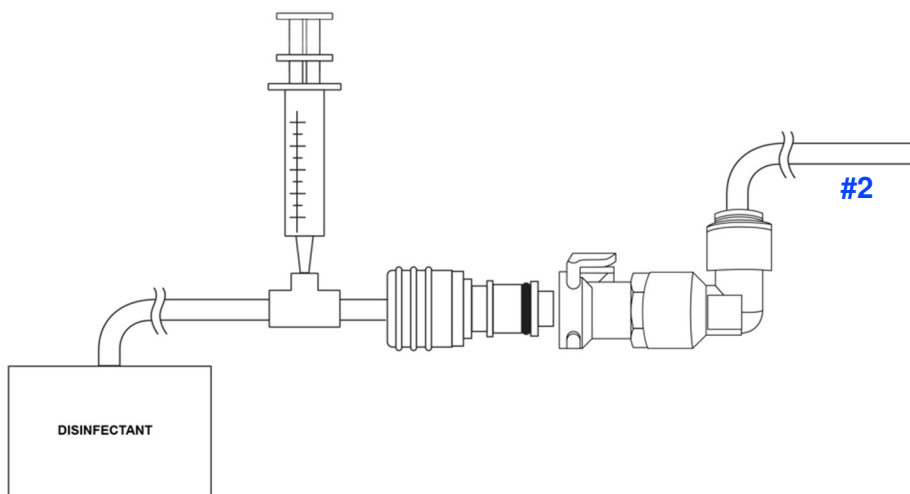
CONNECT both elbow assemblies to opposite, free ends of tubing #1 and #2. (Side A in graphic)

NOTE: Install ShokBlok PRV along tubing (#1) between evaporator unit and Quick Connector. Ensure flow direction of PRV is away from the evaporator.

If DSU-H template placed externally (Step 6, Side B), ROUTE tubing outside of water station. (Side B in graphic)

SECURE connections with red locking clips.

13



Clorox® Germicidal Bleach (Concentrated) is the recommended disinfectant choice.⁽¹⁾

CONNECT the outlet of the disinfection kit tubing to the #2 quick connector and tubing from prior step.

PLACE the inlet tubing of kit into disinfectant (e.g. bleach) container.

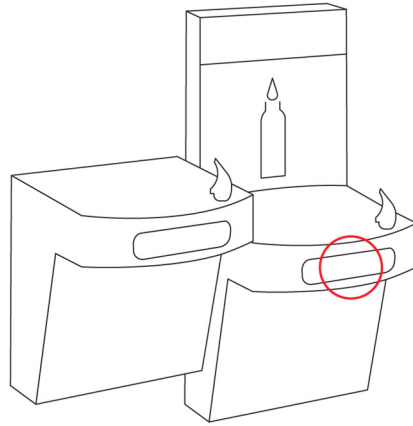
NOTE: Final disinfectant concentration of sodium hypochlorite should be 4–8.25%.

14



CONNECT water station plug(s) back into electrical outlet.

15

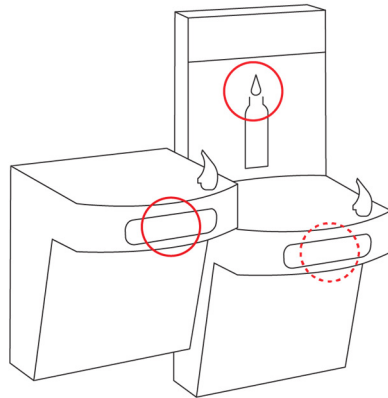


PULL OUT syringe plunger to draw the disinfectant.

ACTIVATE water dispenser.

DELIVER the disinfectant by pushing in the syringe until disinfectant is seen coming out of the spout.

16



REPEAT Step 15 for remaining water dispensers, as applicable.

17



DEACTIVATE water dispenser and allow disinfectant to dwell in station hardware for 5 minutes.

DISCONNECT the disinfection unit from the tubing.

18



PUT ON new gloves.

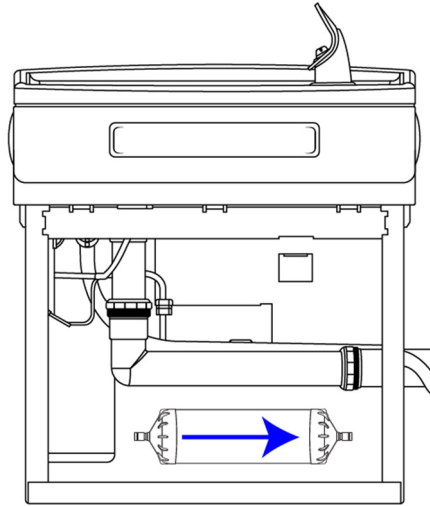
19



HOLD the filter by the transparent portion of the blister pack and tear away the white backing as shown.

Caution: Do not touch filter outlet to avoid contamination

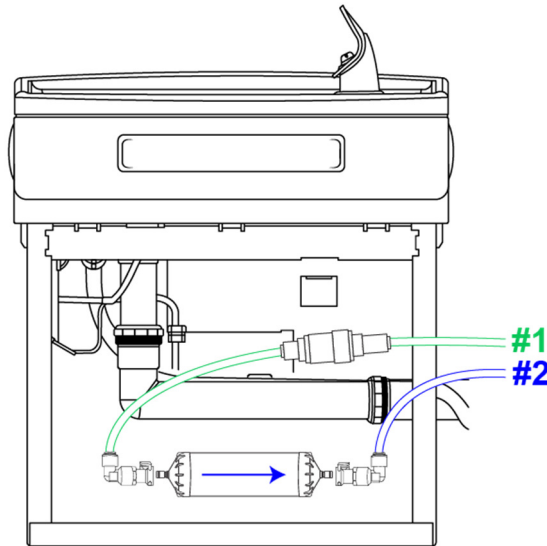
20



REMOVE blister pack and press filter into the C-Clips.

CONFIRM filter flow is pointed the correct direction: toward tee/union, not the evaporator.

21



CONNECT the water supply tubing #1 to the inlet of filter.

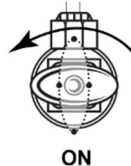
CONNECT the water dispenser tubing #2 to the outlet of filter.

SECURE connection between filter and quick connectors by pushing together an audible click.

CONFIRM all push-fit connections have a bend radius $\geq 1.25"$ to prevent leaks or breakage.

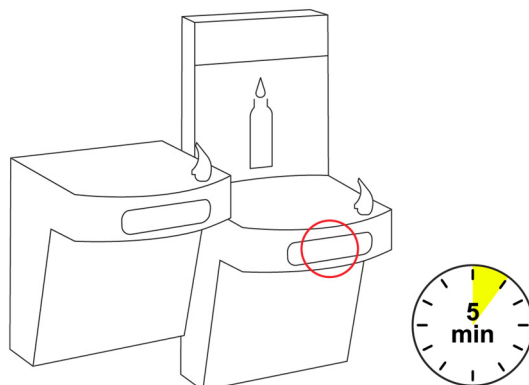
ADJUST as needed.

22



TURN ON water supply valve.

23



ACTIVATE water dispenser to allow filter to prime until desired flow rate is reached and water is clear of disinfectant and is flushed out of the system (3–5 minutes depending on water pressure).

24		USE residual test strips on running water to ensure residual disinfectant levels do not exceed 4ppm.
25		REPEAT Steps 23 to 24 for remaining dispenser locations, as needed.
26		DEACTIVATE water dispenser and CHECK for any leaks. TIGHTEN any fittings if necessary.
27		CLOSE bottom panel(s) of water station.
<p>For additional or replacement disinfection units, use Disinfection Kit, 70-0293.</p> <p>If your static pressure is below 30psi, additional time may be needed to flush the filter and purge trapped air.</p>		

AVOID contact between filter and cleaning or sanitizing agents. Medical grade plastics are more susceptible to cracking due to exposure to organic solvents. Alkyl dimethyl benzyl ammonium chloride (ADBAC), glycols, alcohols, ketones, silicones, and acetones are some examples of the leading organic solvents found in cleaning and sanitizing agents. Use of cleaning/sanitizing agents on the filter housings is not required and should be avoided.

DO NOT remove blister pack from filter until indicated to protect from contamination.

NOTE: A hammer arrester should be installed in applications where water hammer may be present.

(1) Wear appropriate PPE and exercise caution when handling bleach.

Questions or issues? Let us help!

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