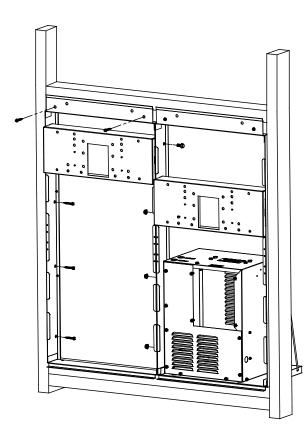


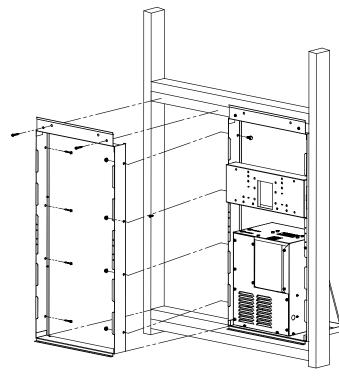


BOTTLE FILLER / FOUNTAIN RETRO-FIT CONVERSION



Typical current installation with fountains and panels removed. Disassemble current Bi-Level Refrigerated fountain installation

Figure 2



Remove left hand mounting frame, replace with new open frame (included). Figure 3

REQUIRED TOOLS AND MATERIALS

These tables show special tools and/or additional materials (not provided) which are necessary to complete installation of these units:

Tools Not Provided

Description	Quantity
Safety Glasses	1
Gloves	1
Electric Drill / 5/32" Bit	1
Wrenches, Crescent Wrench,	1
Channel Lock Type Pliers	1
5/16" Nut Driver	1
Hammer / Center Punch	1
Sockets & Ratchet Wrench	1

Additional Materials Not Included		
ltem	Description	Quantity
1	Unplated copper inlet pipe	1
2	Service Stop/Shut-off Valve	1
3	90° 1-1/4" Drain Line	2
4	1-1/4" Tee Drain Line	1

- 1. Prepare for conversion. Turn off electrical power and water supply to existing installation.
- 2. Disassemble the current installation see (Fig 2).Remove existing fountains and plumbing connection lines.
 - Remove upper and lower panels
 - · Remove left hand mounting frame
- 3. Install new mounting frame into left hand side of wall opening.
 - · Secure mounting frame to wall opening and adjacent frame.
 - · Use all fastener holes to secure the frame properly.

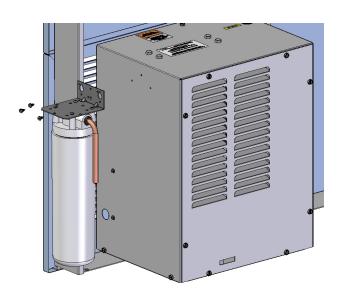
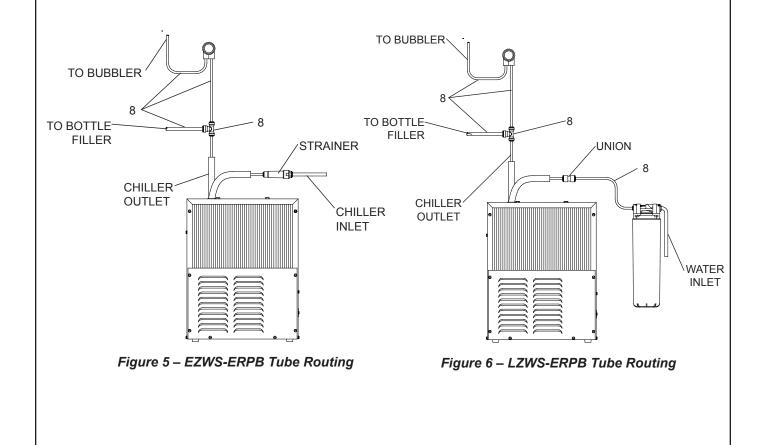
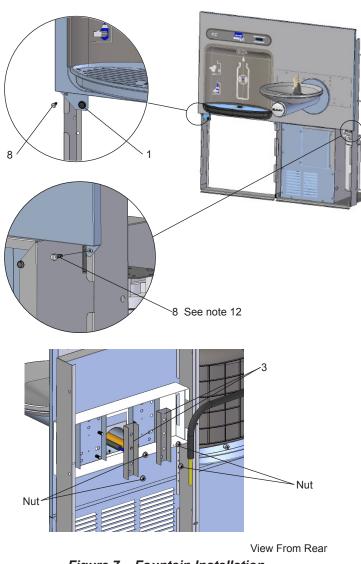


Figure 4 – LZWS-ERPB8-RF Filter Mounting (not required with EZWS-ERPB8-RF)

- 4. (For LZWS-ERPB8-RF) If an existing filter is not present, install filter bracket on chiller (Fig 4), then install the filter head to the bracket, plumb from the filter outlet to the chiller inlet with ¼" poly tubing and ¼ x ¼ union, install filter.
- 5. (For EZWS-ERPB8-RF) Verify that a strainer is installed on the water supply line to the chiller (Fig 11).
- 6. Install chiller on shelf, install ¼ x ¼ x ¾ tee on chiller output tube. With the back panel standing close to the frame, connect ¾" poly tube from the bottle filler to the chiller outlet tee.
- 7. **Install** reset switch for bottle filler (Fig 7). Connect the switch wire to the extension wire on the back of the bottle filler. Wrap up the excess cord.
- 8. **Hang** main panel on mounting frame hanger. Make sure the power cord, reset switch wire & poly tube do not get pinched between the panel & mounting frame. Ensure the panel engages at the top. Align fountain holes with mounting frame holes.
- 9. Remove protective coating from main (upper) panel.







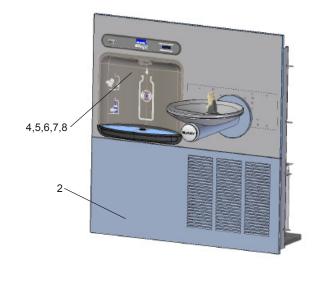


Figure 8 – Lower Panel Installation

- 10. Install fountains with (4) 5/16-18 HHMS, (4) 5/16-18 nuts & (2) support brackets (Item 3) (from original installation) (Fig 7). Connect the ¼" water lines from the fountain to the remaining opening on the tee at the remote chiller (cut lines to fit as needed), (Test fit refrigerated panel to make sure there is a tight joint between it & the main panel before fully tightening mounting screws.)
- Attach waste tubes (1-1/4" O.D.) to 1-1/4" O.D. slip trap. Trap on the bottle filler side must be 1-1/2" O.D. (Traps and connection fittings provided by others).
- 12. **Drill** a 5/32" (.156") diameter mounting hole in right hand frame to secure the lower right corner of the upper panel.
 - · Center the hole in tab opening.
 - Secure the panel to the frame with (screw from kit Item 8).
- 13. **Make** final water supply connections. Turn on water supply, check for leaks. Repair leaks as required.
 - These products are designed to operate on 20-105 PSIG supply line pressure. If inlet pressure is above 105 PSIG, a pressure regulator must be installed in the supply line.
 - (Caution: Any damage caused by connecting these products to a supply line with pressure lower than 20 PSIG or higher than 105 PSIG IS NOT covered under warranty.)
- Make electrical connections to the bottle filler and remote chiller. The LCD Bottle counter should illuminate. Refer to BF11 Program instructions for additional details on Bottle Filler setup.
- 15. **Verify** proper dispensing from the bottle filler by placing a cup, hand or any opaque object in front of sensor area and verify water dispenses. Note: the first initial dispenses might have air in the line which may cause a sputter. This will be eliminated once all air is purged from the line. A steady stream of water assures all air is removed. The sensor has a 20 second maximum ON time. It may be necessary to step away from the beam a few times to purge all air. Check for leaks.
- 16. Reconfirm the installation has no leaks. Install the lower (louver) panel.

NOTE: The following items are not used with the converted installation:

- One Fountain Assembly
- Wall Frame Left Side
- Upper Panel
- Lower (Louver) Panel

BF11 PROGRAM SETTING THE CONTROL BOARD

VERIFY CONTROL BOARD SOFTWARE

- 1) To verify the software program of the control board the unit will need to be shut down and restarted. The chiller (if present) does not need to be shut down and restarted.
- 2) The units lower panel must be open to access the power cord and wall outlet.
- 3) Shut down the unit by unplugging the power cord from the wall outlet.
- 4) Restart the unit by plugging the power cord back into the wall outlet.
- 5) Upon start up, the bottle count display will show the software designation of BF11.
- 6) Reference the BF11 instructions for setting the control board.

ACCESSING THE PROGRAMMING BUTTON

1) To access the program button, remove the lower louver panel. The programming "reset" button is located on the lower left corner of the upper panel.

RESET THE FILTER MONITOR

- 1) Instructions apply to filtered units only.
- 2) Depress the program button for approximately 2 seconds until the display changes then release. The display will change and scroll through two messages:

 - "RST FLTR" Reset Filter Monitor "SETTINGS" System Settings Sub Menu
- If the program button is not pushed again the display will scroll through the two messages above for three cycles and then default back to bottle count and be back in run mode. 3) When the display changes to "RST FLTR", depress the button
- again. The display will change to show "FLTR =". Depress the button again and the display will show "FLTR =0"
- 4) The Green LED should be illuminated indicating that the visual filter monitor has been reset.

SETTING RANGE OF THE IR SENSOR

1) Depress the program button for approximately 2 seconds until the display changes then release. The display will change and scroll through two messages:

"RST FLTR" - Reset Filter Status LED

"SETTINGS" - System Settings Sub Menu

If the program button is not pushed again the display will scroll through the two messages above for three cycles and then default back to bottle count and be back in run mode.

2) When the display changes to "SETTINGS", depress the button again. The display will change to show

"RNG SET" - Range set for IR sensor.

"UNIT TYP" - Type of unit (REFRIG or NON-RFRG)

- "FLT SIZE" Select filter capacity
- "RST BCNT" Reset bottle count
- 3) When display shows "RNG SET" push program button once the display will show current value (can be 1 - 10) e.g. "RNG = 3".
- 4) Once display shows current value push the program button to scroll through value of 1 - 10. Select the desired range setting.
- 5) Once range is selected allow approximately 4 seconds to pass and then the display will go back to bottle counter and be in run mode.
- 6) Test bottle filler by placing bottle or hand in front of sensor to make sure water is dispensed.

SETTING UNIT TYPE

- 1) Depress the program button for approximately 2 seconds until the display changes then release. The display will change and scroll through two messages:
 - "RST FLTR" Reset Filter Status LED
 - "SETTINGS" System Settings Sub Menu

If the program button is not pushed again the display will scroll through the two messages above for three cycles and then default back to bottle count and be back in run mode.

Continued from below:

- 2) When the display changes to "SETTINGS", depress the button again. The display will change to show
 - "RNG SET" Range set for IR sensor.
 - "UNIT TYP" Type of unit (REFRIG or NON-RFRG)
 - "FLT SIZE" Select filter capacity
 - "RST BCNT" Reset bottle count
- 3) When display shows "UNIT TYPE" push program button once the display will show current value. Can be REFRIG or NON-RFRG
- 4) Push button once to change value. Once value is selected the display will show the new value. (Can be REFRIG or NON-RFRG) "REFRIG" - stands for refrigerated product. In this setting the flow rate is estimated at 1.0 gallon per minute.

"NON-RFRG" - stands for nonrefrigerated product. In this setting the flow rate is estimated at 1.5 gallons per minute. Both "REFRIG" and "NON-RFRG" simulate 1 bottle equal to 20 oz.

5) Allow approximately 4 seconds to pass and the display will return to bottle counter and be in run mode.

RESETTING BOTTLE COUNT

- 1) Depress the program button for approximately 2 seconds until the display changes then release. The display will change and scroll through two messages:
 - "RST FLTR" Reset Filter Status LED
 - "SETTINGS" System Settings Sub Menu

If the program button is not pushed again the display will scroll through the two messages above for three cycles and then default back to bottle count and be back in run mode.

- 2) When the display changes to "SETTINGS", depress the button again. The display will change to show:
 - "RNG SET"- Range set for IR sensor.
 - "UNIT TYP" Type of unit (REFRIG or NON-RFRG)
 - "FLT SIZE" Select filter capacity
 - "RST BCNT" Reset bottle count

If the button is not pushed again the display will scroll through the four messages above for three cycles and return to run mode.

- 3) When display shows "RST BCNT" push program button once the display will show current value e.g. "0033183".
- 4) Once display shows current value push the program button once more to reset back to 0. The display will show BTLCT = 0 for approximately 2 seconds and then return to run mode showing 00000000 bottles.
- 5) Testing the bottle counter:
- REFRIG units: Place bottle or hand in front of sensor for 9.4 seconds to see bottle counter count 0000001,

(This is based on filling a 20 oz. bottle).

NON-RFRG units: Place bottle or hand in front of sensor for 6.25 seconds to see bottle counter count 0000001,

(This is based on filling a 20 oz bottle).

SETTING FILTER CAPACITY

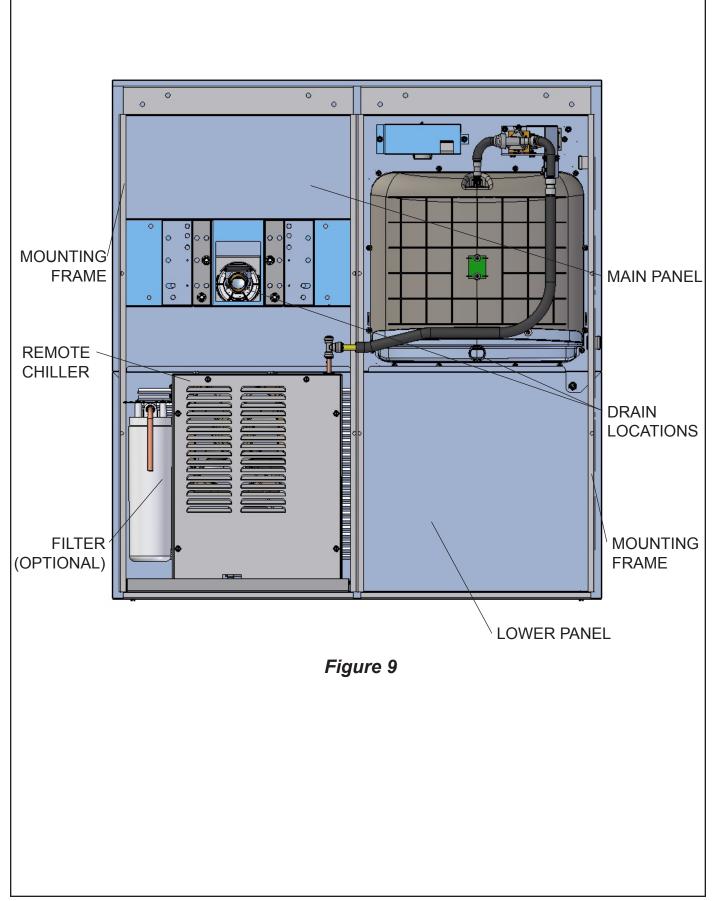
- 1) Depress the program button for approximately 2 seconds until the display changes then release. The display will change and scroll through two messages:
 - "RST FLTR" Reset Filter Status LED "SETTINGS" System Settings Sub Menu

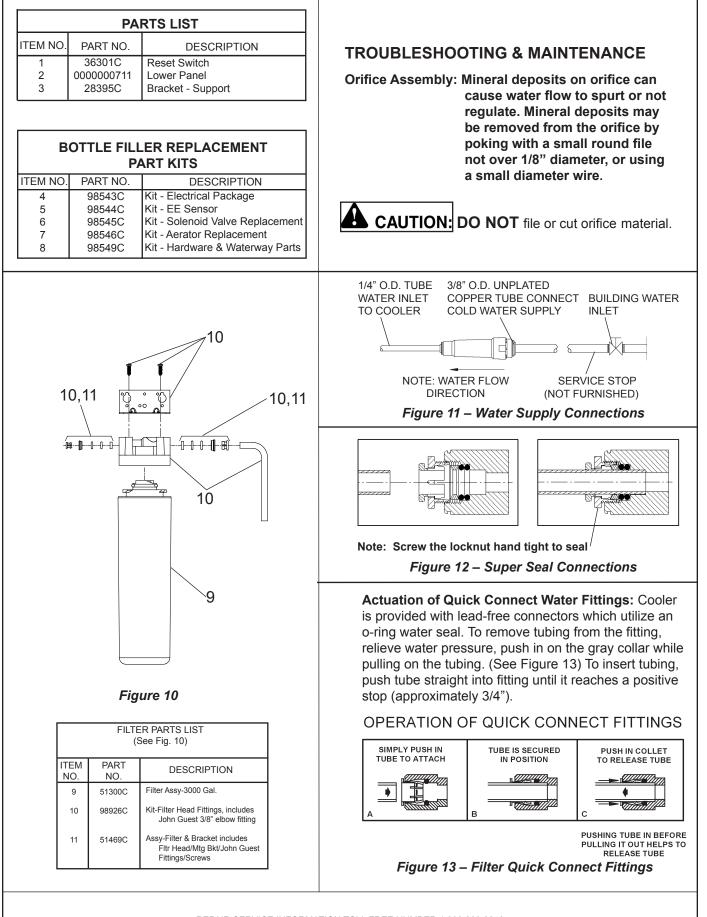
If the program button is not pushed again the display will scroll through the two messages above for three cycles and then default back to bottle count and be back in run mode.

- 2) When the display changes to "SETTINGS", depress the button again. The display will change to show:
 - "RNG SET"- Range set for IR sensor.
 - "UNIT TYP" Type of unit (REFRIG or NON-RFRG)
 - "FLT SIZE" Select filter capacity
 - "RST BCNT" Reset bottle count

If the button is not pushed again the display will scroll through the four messages above for three cycles and return to run mode.

- 3) When display shows "FLT SIZE" push program button once. The display will show current value. Can be 3000GAL or 6000GAL.
- 4) Push program button again to display the desired "FLT SIZE".
- 5) Allow approximately 4 seconds to pass and the display will return to bottle counter and be in run mode.





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