# ⊖ ELKAY

**INSTALLATION, CARE & USE MANUAL**

## EZWSRK -EZH2O ™ RETRO-FIT BOTTLE FILLING UNIT
## LZWSRK -EZH2O ™ RETRO-FIT BOTTLE FILLING UNIT

### IMPORTANT

**THIS IS AN INDOOR APPLICATION ONLY.
ALL SERVICE TO BE PERFORMED BY AN
AUTHORIZED SERVICE PERSON.**

### TOOLS REQUIRED
#### BUT NOT PROVIDED:

**SAFETY GLASSES
GLOVES
3/4" WRENCH OR CRESCENT
WRENCH
5/16" NUT DRIVER
UTILITY KNIFE
TAPE MEASURE
PENCIL
CENTER PUNCH
1/2" SOCKET & RATCHET WRENCH
5/32" ALLEN WRENCH
7/64" ALLEN WRENCH**

### IMPORTANT! INSTALLER PLEASE NOTE.

THE GROUNDING OF ELECTRICAL EQUIPMENT SUCH AS TELEPHONE, COMPUTERS, ETC. TO WATER LINES IS A COMMON PROCEDURE. THIS GROUNDING MAY BE IN THE BUILDING OR MAY OCCUR AWAY FROM THE BUILDING. THIS GROUNDING CAN CAUSE ELECTRICAL FEEDBACK INTO A FOUNTAIN, CREATING AN ELECTROLYSIS WHICH CAUSES A METALLIC TASTE OR AN INCREASE IN THE METAL CONTENT OF THE WATER. THIS CONDITION IS AVOIDABLE BY USING THE PROPER MATERIALS AS INDICATED. ANY DRAIN FITTINGS PROVIDED BY THE INSTALLER SHOULD BE MADE OF PLASTIC TO ELECTRICALLY ISOLATE THE FOUNTAIN FROM THE BUILDING PLUMBING SYSTEM. WE SUGGEST THAT THE BOTTLE FILLING STATION AND WATER COOLER BE PROTECTED BY A GROUND FAULT CIRCUIT INTERRUPTER (GFCI).

### ▬ INSTALLER ▬

EZWSR / LZWSR Bottle Fillers are among the easiest to install on the market today. To insure you install these models easily and correctly, PLEASE READ THESE SIMPLE INSTRUCTIONS BEFORE STARTING THE INSTALLATION. CHECK YOUR INSTALLATION FOR COMPLIANCE WITH PLUMBING, ELECTRICAL, ANDOTHER APPLICABLE CODES. After installation, leave these instructions with the Cooler for future reference.
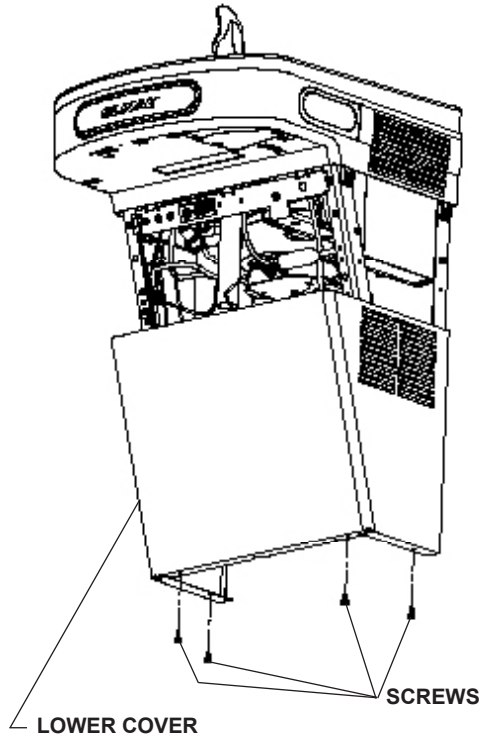
**SCREWS**

**LOWER COVER**

## Fig. 1

### WATER COOLER PREPARATION

1) Remove lower front panel of watercooler by removing the four (4) screws from the bottom of cooler. (See FIG. 1) NOTE: For Two Level Models the Bottle Filling Unit should be mounted to the higher unit. Both lower front panels and basin assemblies will need to be removed.

1a) For units with model no's. ending with 1, 1A, 2 or 3 these units will need to be removed from the wall in order to remove the basin assembly(s).

**2) Power OFF circuit that the water cooler is connected to by switching the circuit breaker to the "OFF" position or by removing the fuse to the circuit. Remove the water cooler plug from the outlet and shut off water supply.**

3) Remove Basin Assembly by loosening four (4) screws two on each side of cooler as shown in Fig. 4. Disconnect water line "A" from bubbler at the evaporator tank (See Fig. 2). NOTE: When disconnecting water lines use a container to catch any water running out of the lines.  Disconnect basin assembly from drain trap. Lift basin assembly straight up to remove, and disconnect two wires from push bar switches. (Note: This will allow easier assembly of water filter to unit and pressurization of the unit.)

5a) For units referenced in step "1a".  Remove Basin Assembly by loosening four (4) screws two on each side of cooler as shown in Fig. 4. Remove 2 screws from top back of unit to remove the "L" bracket. Remove 1 screw from left side of cross brace in front of unit that retains the drain support.  Disconnect water line "A" from regulator at the evaporator tank (See Fig. 2B). NOTE: When disconnecting water lines use a container to catch any water running out of the lines. Disconnect basin assembly from drain trap. Lift basin assembly straight up to remove, and disconnect two wires from push bar switches. **(Note: This will allow easier assembly of water filter to unit and pressurization of the unit.)**

### EWF3000 WATERSENTRY PLUS FILTER INSTALLATION

*NOTICE:  Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.*

1) These filter kits must be installed in compliance with all state and local laws and regulations governing the installation and use of this product.  Maximum inlet water temperature 100°F (38°C).

2) See filter instructions for filter assembly. Insert 3/8" elbow fitting into the inlet side of filter head, insert 1/4" polytube or 1/4" x 90° elbow into outlet side of filter head prior to mounting the filter head assembly into the cooler.

3) Mount filter head as shown in Fig. 5, using the filter mounting bracket and screws supplied. For Two-Level units the filter must be mounted to the L.H. non-refrigerated unit at the same location as shown in Fig. 5.

### PRESSURIZATION OF WATER SYSTEM

**NOTE: This proceedure MUST be performed on ALL SINGLE EZ WATER COOLERS or the bottle filling unit WILL NOT perform properly!**

1) Remove water inlet (B) and outlet (C) from solenoid valve (See Fig. 2 or 2B). NOTE: When disconnecting water lines use a container to catch any water running out of the lines.

**2) CAUTION:   If supply pressure will ever exceed 100 psi, install a pressure regulator to limit the inlet pressure to the filter to 100 psi or below.**

**DO NOT ATTACH HOT WATER LINE TO FILTER.** To make connections on the filter head, loosen locknut. Push the tube end past both o-rings to a positive stop in the filter head recess - approx. 1", locknut may have to be backed out a little more.  Screw the locknut hand tight to seal (See Fig. 6).  Ends of tubing must be cut square and free of burrs and sharp ends that could cut or nick the o-rings.

3) Connect the outlet of the filter to the inlet of the evaporator using the 1/4" O.D. poly tubing and 1/4" union supplied (See Fig. 3 or 3B).

4) Cut a 12" long piece of poly tube (be sure to insulate poly tube with supplied insulation tubing) and insert one end into the outlet side of the evaporator "D" (See Fig. 3 or 3B), connect Tee to other end of tube.

5) Cut a 12" long piece of poly tube (be sure to insulate poly tube with supplied insulation tubing) and insert into the Tee and the other end into the inlet side of the solenoid valve "E" (See fig. 3 or 3B).

### TWO-LEVEL MODIFICATION OF WATER SYSTEM

**NOTE:** Two-Level water systems are already plumbed for pressurization.

### STANDARD TWO-LEVEL MODELS

Follow instruction 2 thru 4 under "Pressurization of water system" to attach filter to water system. The non-refrigerated side must be removed from the wall in order to remove the basin assy. and install the filter head assy.

1) Remove the Two-Level Cover Plate from the right hand side of the non-refrigerated unit in order to access the rear Basin Assy. screw.

2) Cut  poly tube "H" between the existing tee and the solenoid valve of the L.H. unit (See Fig. 2A or 2C).

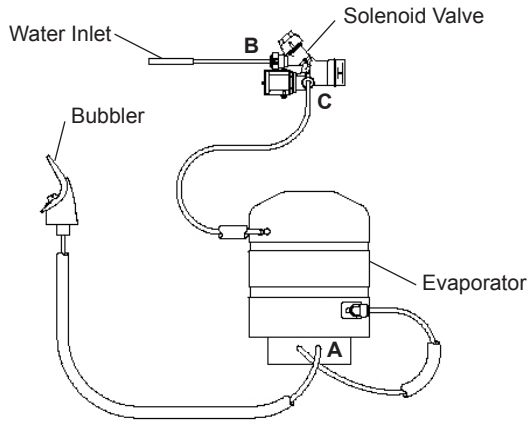3) Insert supplied Tee in water line "H" where it was just cut (See Fig. 3A or 3C).

### TWO-LEVEL REVERSED MODELS

Follow instruction 2 thru 4 under "Pressurization of water system" to attach filter to water system. The non refrigerated side must be removed from the wall in order to remove the basin assy. and install the filter head assy.
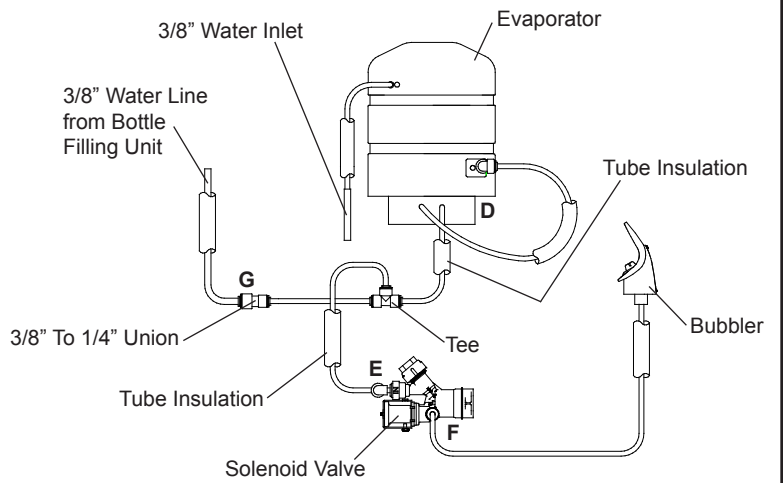
1) Remove the Bi-Level Cover Plate from the left hand side of the refrigerated unit in order to access the rear Basin Assy. screw (See Fig 4).

2) Cut poly tube "H" approximately 3" from the left side of the existing tee.

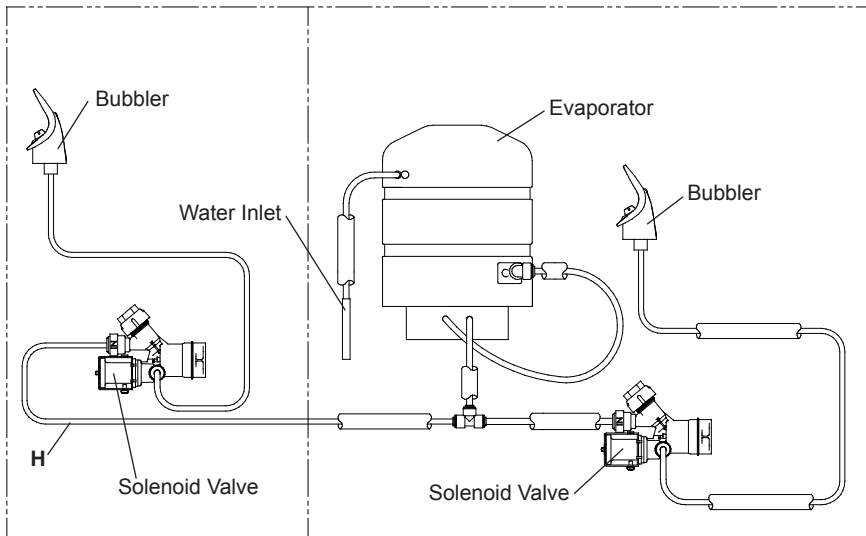3) Insert supplied tee in water line "H" where it was just cut.

Water Inlet

Solenoid Valve

**B**

**C**

Bubbler

Evaporator

**A**

**EZ Non-Pressurized
Plumbing Diagram
Fig. 2**

3/8" Water Inlet

Evaporator

3/8" Water Line
from Bottle
Filling Unit

Tube Insulation

**D**

**G**

3/8" To 1/4" Union

Tee

Bubbler

Tube Insulation

**E**

**F**

Solenoid Valve

**EZ Plumbing Diagram after
Pressurization Modifications
Fig. 3**

**L.H. Non-Refrig unit**

**R.H. Refrig. unit**

Bubbler

Evaporator

Water Inlet

Bubbler

**Standard EZ Two Level Pressurized
Plumbing Diagram
Fig. 2A**

**H**

Solenoid Valve

Solenoid Valve

**L.H. Non-Refrig unit**

**R.H. Refrig. unit**

Bubbler

Water Inlet

Evaporator

**EZ Two Level Plumbing Diagram
after Bottle Filler
Water Line Addition
Fig. 3A**

Bubbler

Solenoid Valve

**H**

Tee

Solenoid Valve

**Plumbing Diagrams for EZ Coolers w/model no's ending with 1, 1A, 2, & 3**

Water Inlet

Solenoid Valve

Bubbler

**B**    **C**

Regulator

Evaporator

**A**

**EZ Non-Pressurized
Plumbing Diagram
Fig. 2B**

Bubbler

3/8" Water Inlet

Evaporator

Regulator

Solenoid Valve

Tee

**F**    **E**

**D**

3/8" Water Line from
Bottle Filling Unit

Tube Insulation

3/8" To 1/4" Union

**EZ Plumbing Diagram after
Pressurization Modifications
Fig. 3B**

**L.H. Non-Refrig unit**

**R.H. Refrig. unit**

Regulator

Bubbler

Evaporator

Regulator

Bubbler

Solenoid Valve

Solenoid Valve

Water Inlet

**H**

**Standard EZ Two Level Pressurized
Plumbing Diagram
Fig. 2C**

**L.H. Non-Refrig unit**

**R.H. Refrig. unit**

Regulator

Bubbler

Solenoid Valve

3/8" Water Line from
Bottle Filling Unit

3/8" Water Inlet

Evaporator

Regulator

Bubbler

**EZ Two Level Plumbing Diagram after
Bottle Filler Water Line Addition
Fig. 3C**

Solenoid Valve

**H**

Tee

Solenoid Valve

**EZ Non-Pressurized**
**Plumbing Diagram**
## Fig. 2D

**EZ Plumbing Diagram**
**after Filter Installation &**
**Pressurization Modifications**
## Fig. 3D
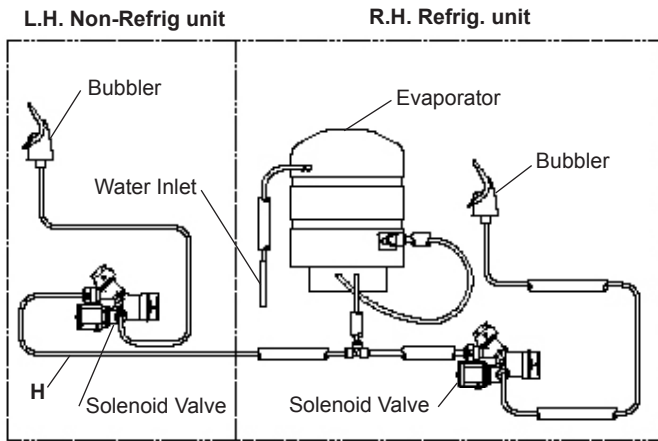
**Standard EZ Two Level Pressurized**
**Plumbing Diagram**
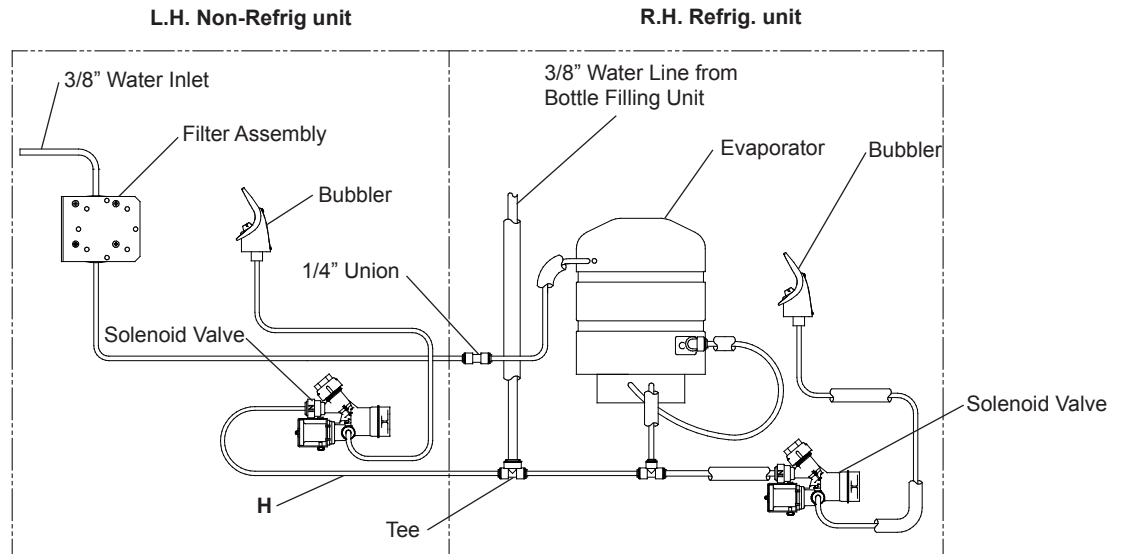## Fig. 2E
## 42A

**L.H. Non-Refrig unit**

**R.H. Refrig. unit**

**L.H. Non-Refrig unit**

**R.H. Refrig. unit**

**EZ Two Level Plumbing Diagram after Filter Installation &**
**Bottle Filler Water Line Addition**
## Fig. 3E

**Plumbing Diagrams for EZ Coolers w/model no's ending with 1, 1A, 2, & 3**



**EZ Non-Pressurized
Plumbing Diagram
Fig. 2F**

**EZ Plumbing Diagram
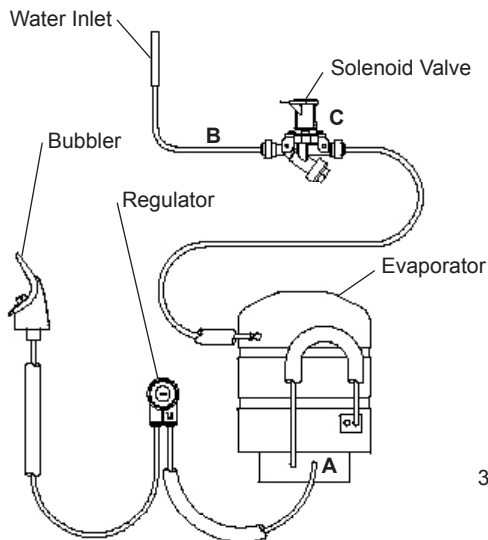after Filter Installation &
Pressurization Modifications
Fig. 3F**

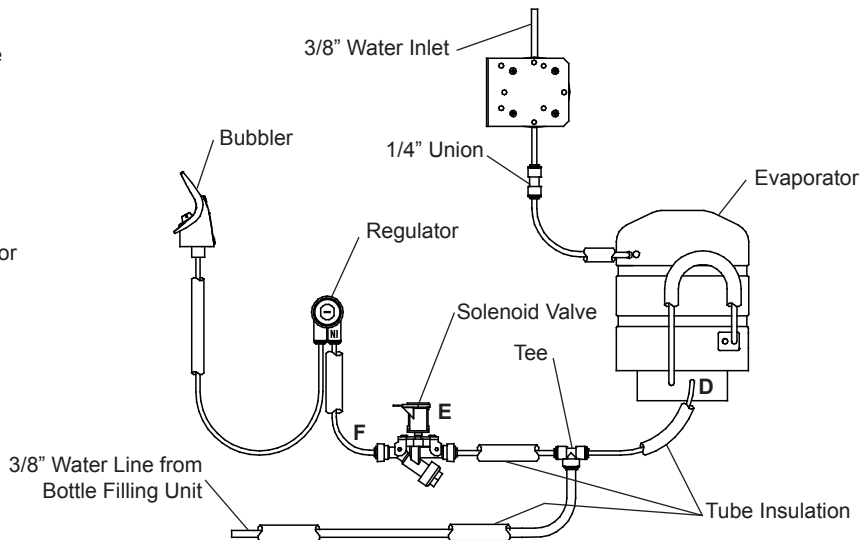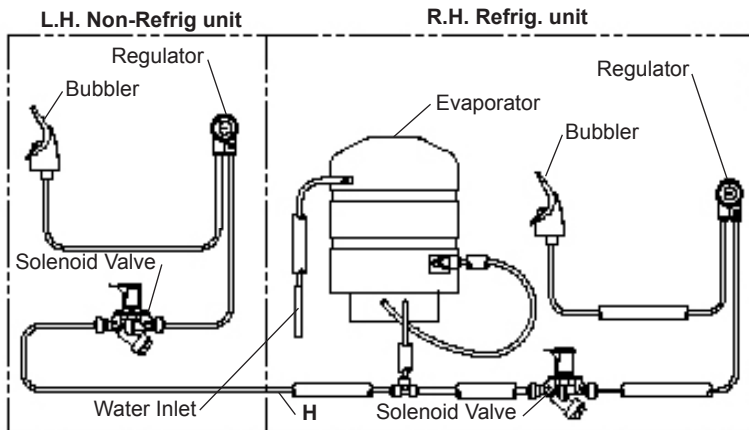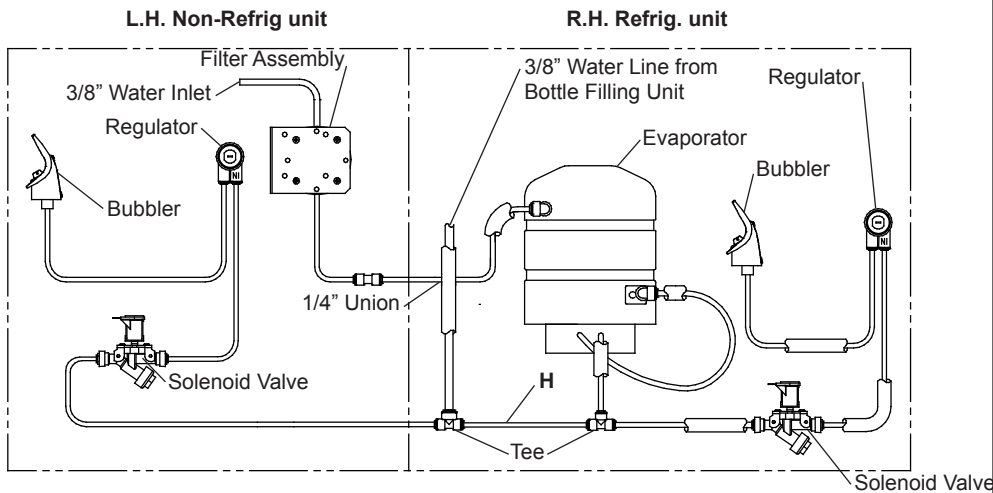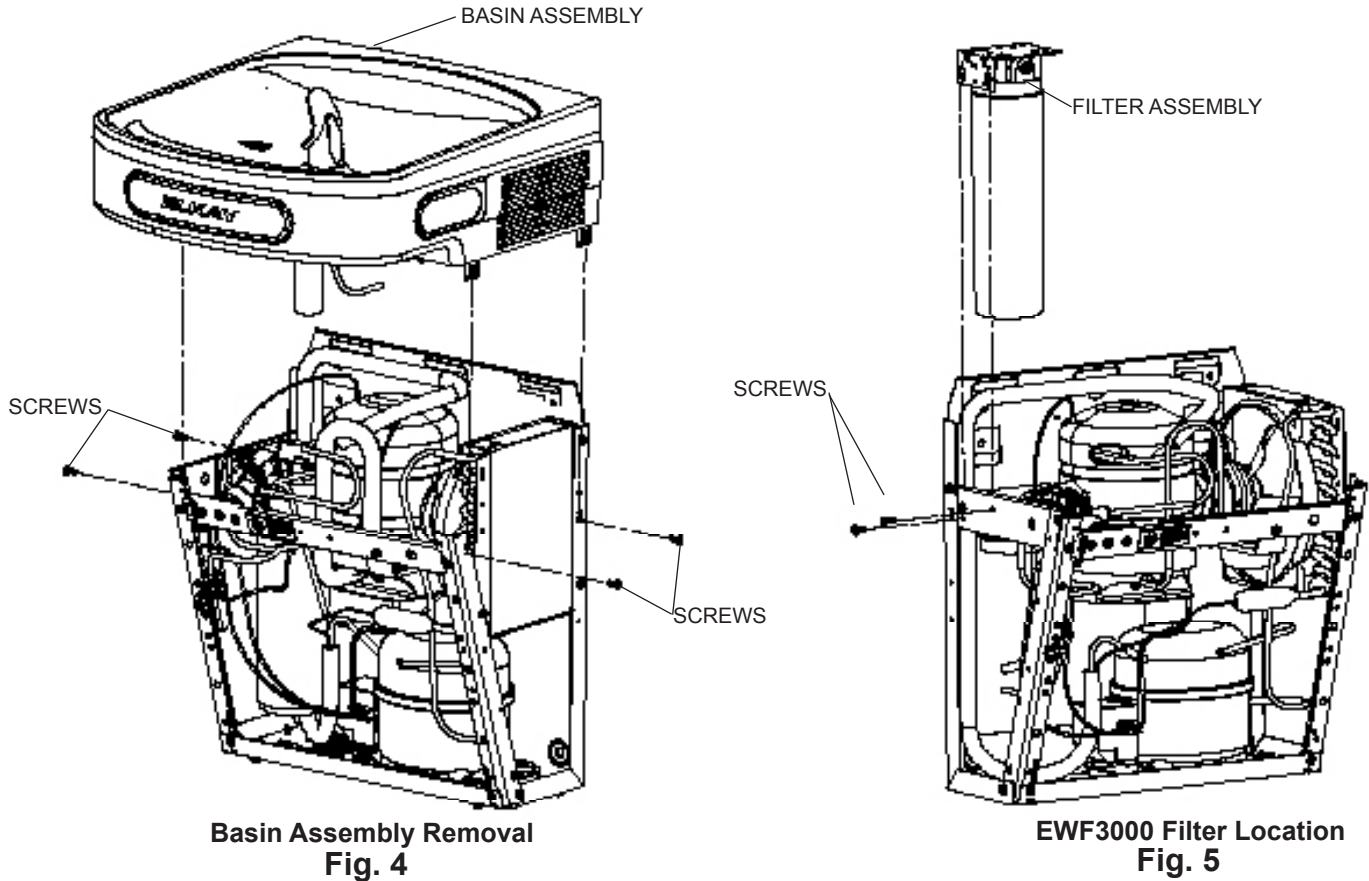**Standard EZ Two Level Pressurized
Plumbing Diagram
Fig. 2G**

**EZ Two Level Plumbing Diagram after Filter Installation &
Bottle Filler Water Line Addition
Fig. 3G**

**Basin Assembly Removal**
**Fig. 4**



**EWF3000 Filter Location**
**Fig. 5**

## BASIN ASSEMBLY  PREPARATION

1) Remove (4) screws from basin/shroud assembly. Separate basin from shroud.

2) Remove bubbler.

3) Install bubbler on new basin.

4) Remove drain tail piece from rubber boot that is attached to the shroud.

5) Assemble shroud onto new basin.

6) Install branch line drain tail piece to rubber boot. Connect hose clamp and drain hose to branch line on tail piece and tighten hose clamp.

7) **For Single Model installations:** Attach the purple wire (supplied),  on to the open terminal of the solenoid valve.

7a) **For Two-Level Model installations:** Attach  the purple wire (supplied), on to the open terminal of the solenoid valve to the unit that the basin hole
 was punched in for the Bottle Filling Station.  Attach the yellow wire (supplied), on to the open terminal of the solenoid valve of the other unit.

8) Reassemble Basin Assembly back on to unit. Connect the bubbler water line to the outlet side of the solenoid valve "F" (See Fig.3),  be sure to
 reconnect the black wire from the pushbar assembly back to the purple or yellow piggyback terminal on the solenoid valve. and the other black wire back
 to the cold control or power cord (non-refrigerated unit),  fish the purple and/or yellow wire(s) up through basin hole and reattach drain to the trap.
 Retighten the 4 screws two per side (See Fig. 4).

### FOR UNITS WITH MODEL NO'S. ENDING IN 1, 1A, 2, & 3

8a) Remove the white wire from the cold control and connect it to the power cord white wire. Reassemble Basin Assembly back on to unit. Connect the
regulator water line to the outlet side of the solenoid valve "F" (See Fig.3B),  be sure to reconnect one black wire from the pushbar assembly back to the
purple or yellow piggyback terminal on the solenoid valve. Connect the other black wire from the pushbar assembly to the piggyback on the cold control.
Fish the purple and/or yellow wire(s) up through basin hole and reattach drain to the trap and reinstall drain support screw to front cross brace.  Reinstall
"L" bracket to top back of unit with  the 2 screws it was mounted with. Retighten the 4 screws two per side (see Fig. 4).

### ALL STANDARD TWO-LEVEL MODELS

After completing instructions 1 thru 8 or 8a from above on the non-refrigerated side. Install filter head assembly per previous installation instructions and
reinstall basin assembly to the non-refrigerated side, re-attach wiring, bubbler tube (or regulator tube) to solenoid valve and reinstall the two level cover plate
to the left side of the unit.  Reinstall non-refrigerated unit to wall and reinstall drain.
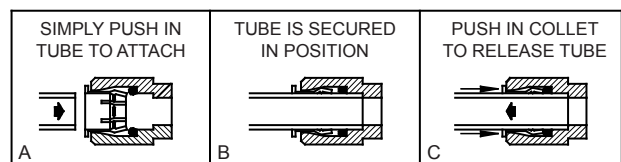
### ALL TWO-LEVEL REVERSED MODELS

After completing instructions 1 thru 8 or 8a from above on the refrigerated side. Install filter head assembly per previous installation instructions and reinstall
basin assembly to the non-refrigerated side, re-attach wiring, bubbler tube (or regulator tube) to solenoid valve and reinstall the two level cover plate to the
left side of the unit. Reinstall non-refrigerated unit to wall and reinstall drain.
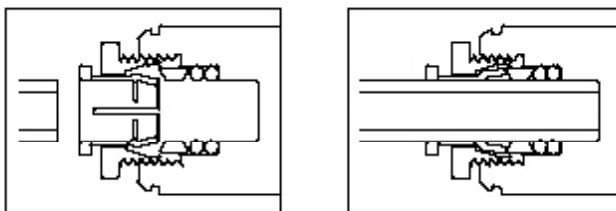


**Note:  Screw the locknut hand tight to seal**
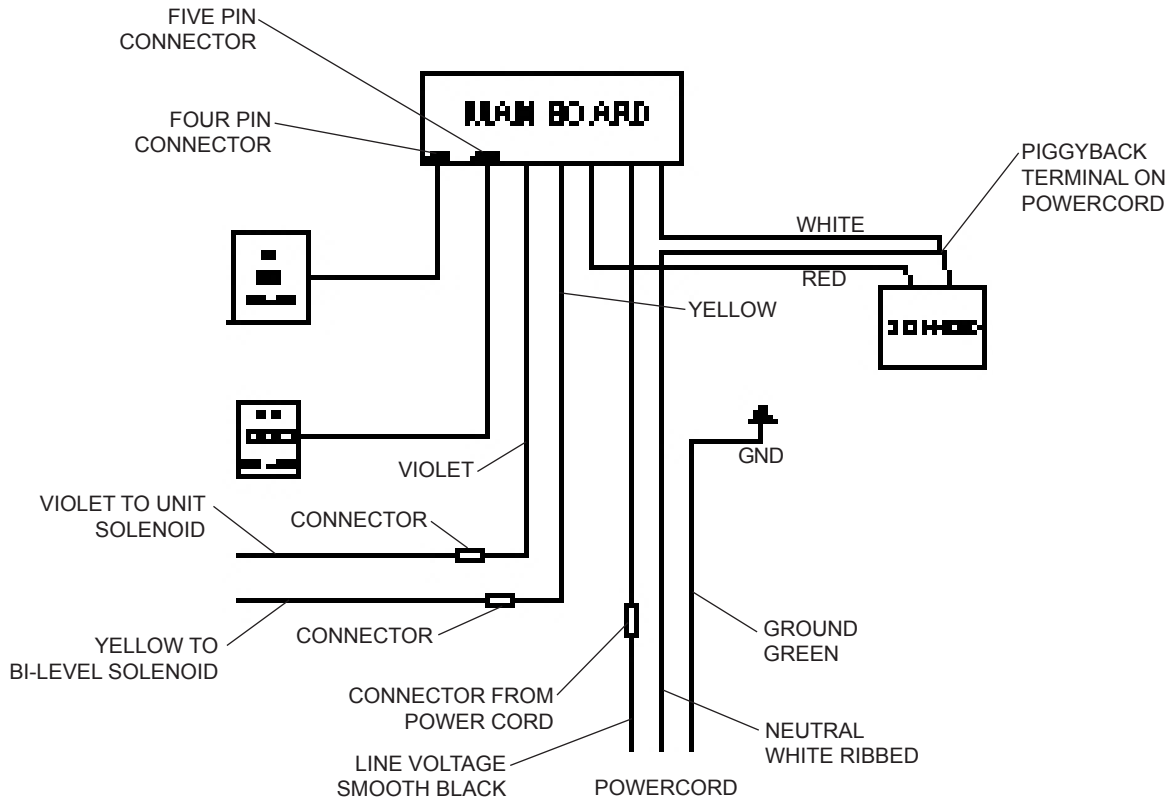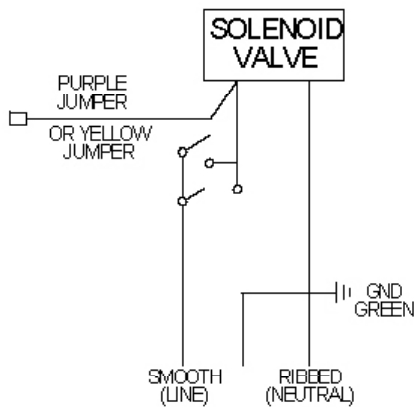**Fig. 6**

## OPERATION OF QUICK CONNECT FITTINGS



| SIMPLY PUSH IN TUBE TO ATTACH | TUBE IS SECURED IN POSITION | PUSH IN COLLET TO RELEASE TUBE |
|---|---|---|
| A | B | C |

PUSHING TUBE IN BEFORE
PULLING IT OUT HELPS TO
RELEASE TUBE

**Fig. 7**

FIVE PIN
CONNECTOR

FOUR PIN
CONNECTOR

MAIN BOARD

PIGGYBACK
TERMINAL ON
POWERCORD

WHITE

RED

YELLOW

VIOLET

GND

VIOLET TO UNIT
SOLENOID

CONNECTOR

YELLOW TO
BI-LEVEL SOLENOID

CONNECTOR

GROUND
GREEN

CONNECTOR FROM
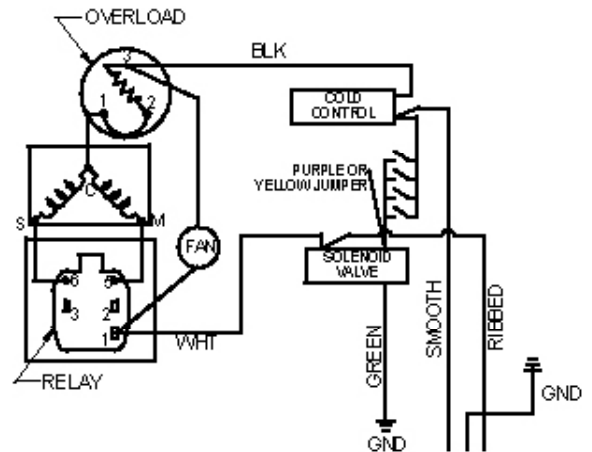POWER CORD

NEUTRAL
WHITE RIBBED

LINE VOLTAGE
SMOOTH BLACK

POWERCORD

**WIRING DIAGRAM - BOTTLE FILLER 115V**

**NOTE:** UNITS PRODUCED 2008 AND BEFORE
WILL NEED ADAPTERS TO SWITCH LINE AND
NEUTRAL WIRES.

SOLENOID
VALVE

PURPLE
JUMPER

OR YELLOW
JUMPER

GND
GREEN

SMOOTH
(LINE)

RIBBED
(NEUTRAL)

OVERLOAD

BLK

COLD
CONTROL

PURPLE OR
YELLOW JUMPER

FAN

SOLENOID
VALVE

RELAY

WHT

GREEN

SMOOTH

RIBBED

GND

GND

GND

**WIRING DIAGRAM - NON REFRIGERATED SIDE**

**WIRING DIAGRAM - REFRIGERATED SIDE**
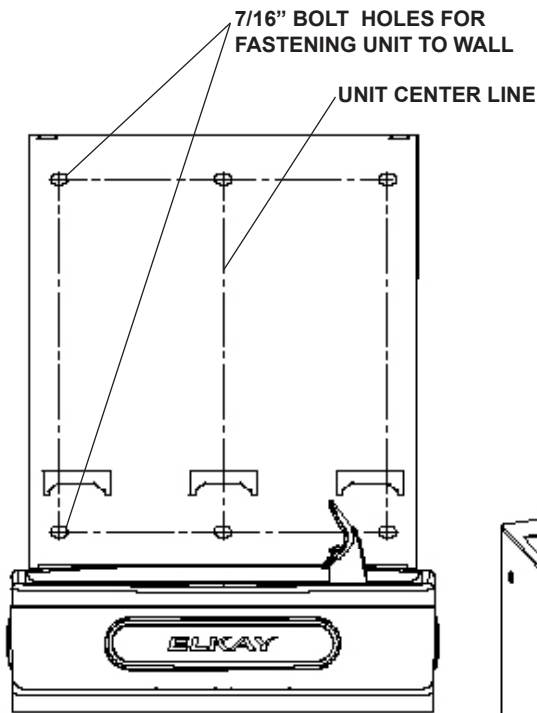
**7/16" BOLT HOLES FOR FASTENING UNIT TO WALL**

**UNIT CENTER LINE**

**MOUNTING SCREWS**

**TOP COVER**

**Fig. 9**

**Fig. 8**

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**WALL MOUNTING PLATE**

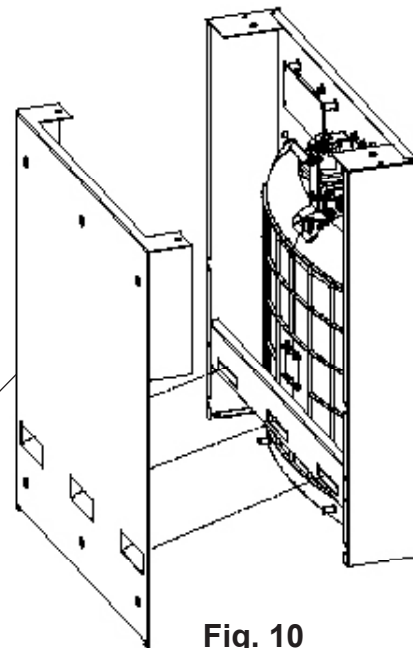**BOTTLE FILLING UNIT**

**Fig. 10**

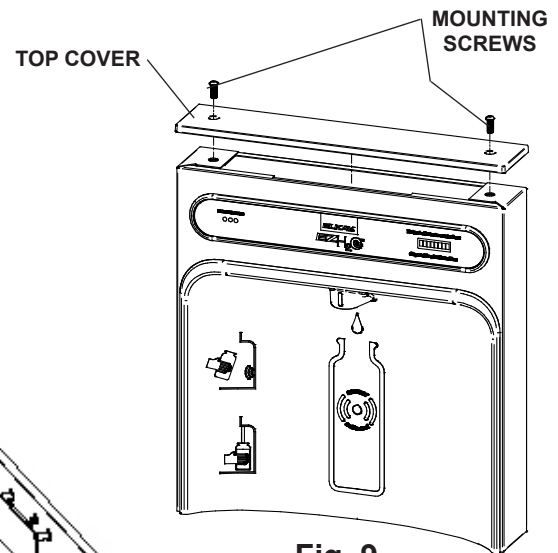**BOTTLE FILLER INSTALLATION**

1) Remove two (2) mounting screws with 5/32" Allen wrench holding top cover to Bottle Filler (See FIG. 9). Remove top cover. Note do not discard mounting screws, they will be needed to reinstall top cover.
2) Remove wall mounting plate from Bottle Filler. Place wall plate against wall on top of basin. Center the wall plate side to side with the basin. Mark the six (6) mounting holes with a pencil (See FIG. 8).
3) Remove wall mounting plate from wall. NOTE: Mounting plate MUST be supported securely. Add fixture support carrier if wall will not provide adequate support.
4) Install wall mounting plate to wall using six (6) 7/16" obround mounting holes (mounting bolts not included) (See Fig. 8). Use appropriate fasteners for your wall type.
5) Feed power cord & 3/8" water line through hole in tower/basin gasket (See Fig 11).
6) Install gasket on bottom of bottle filler tower with gasket support bracket, (2) washers, & (2) screws (See Fig 12).
7) Fish the purple wire (single units) or the purple and yellow wires (two-level units) up basin hole & hole in gasket.
8) For Single Model installations: Attach the purple wire from cooler to the purple wire on the back of the unit, (Note yellow wire is not used).
8a) For Two-Level model installations: Attach the purple and yellow wires from coolers to the purple and yellow wires on the back of the unit, purple to purple, yellow to yellow.
9) Lay Bottle Filler on water cooler basin and cut insulation from tube even with bottom of gasket, remove this insulation from the 3/8" tube, but do not discard. Fish the power cord and waterline through the hole on top of water cooler. NOTE: To prevent scratching the basin place a towel or soft cloth over the entire basin when working above it.
10) With the power cord, wire(s), and waterline through hole on top of water cooler place Bottle Filler on the three (3) angled tabs protruding from the wall (See Fig. 10) mounting plate, installed on wall. Make sure round boss in gasket fits in hole of basin.
11) Once Bottle Filler is installed on wall plate tabs, water line, wire(s) and power cord are installed properly, push top of Bottle Filler toward wall and line up top cover two (2) holes.
12) Reinstall Top Cover on Bottle Filler (See Fig. 9) with two mounting screws from step 1 above. Caution, do not over tighten screws.
13) Install remaining tube insulation to the water line from bottle filler, connect Bottle Filler waterline inside of the water cooler by connecting the 3/8" water line to the tee.
14) Install filter cartridge, remove filter from carton, remove protective cap, attach filter to filter head by firmly inserting into head and rotating filter clockwise. NOTE: If existing plumbing rough-in locations (Drain, Water In, and Electric Supply) do not allow the filter to be mounted inside the cooler cabinet the filter can be installed horizontally below the unit. A retrofit kit is available to mount the filter beneath the cooler.
15) Turn water supply on and inspect for leaks. Fix all leaks before continuing.
16) Once unit has been inspected for leaks and any leaks found corrected, plug Bottle Filler and Cooler Unit into wall. Be sure to reinstall fuse to the circuit or switch the circuit breaker back to the "ON" position.
17) Once power is applied to Bottle Filler, the GREEN LED light should illuminate showing good filter status along with the LCD Bottle Counter.
18) Verify proper dispensing by placing cup, hand, or any opaque object in front of sensor area and verify water dispenses. Note: the first initial dispenses might have air in line which may cause a sputter. This will be eliminated once all air is purged from the line.
18) Once unit tests out, install Lower Panel back on water cooler(s). Units are now ready for use.
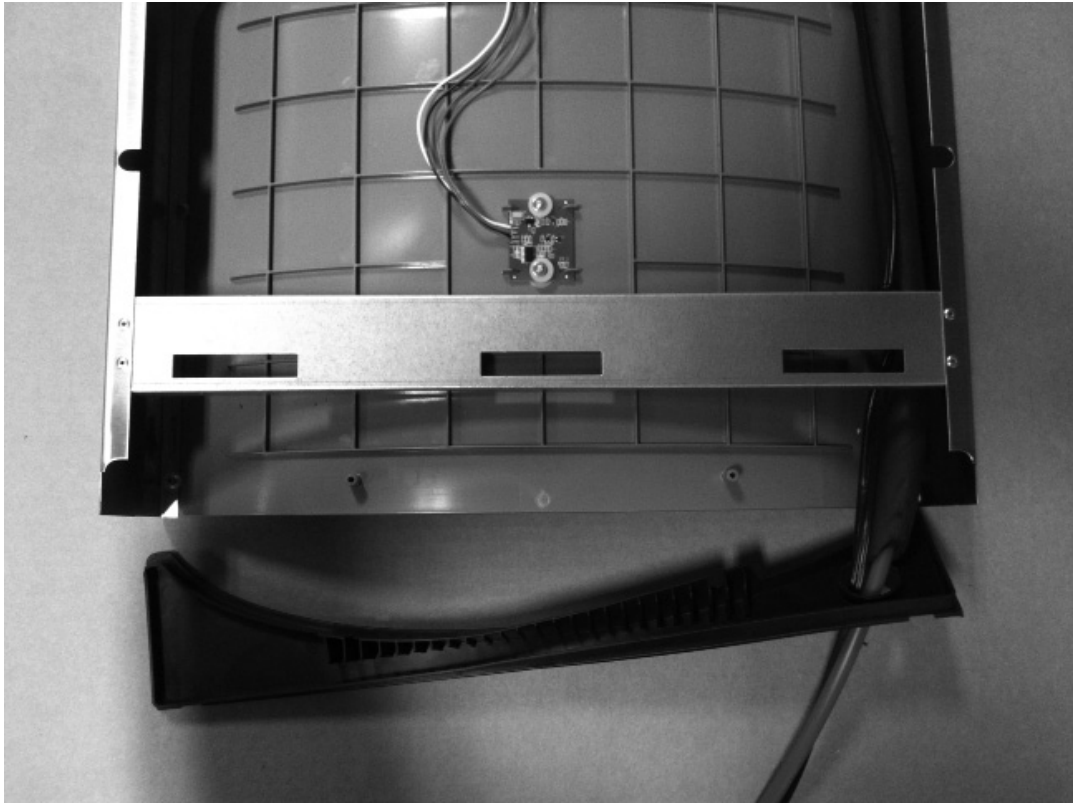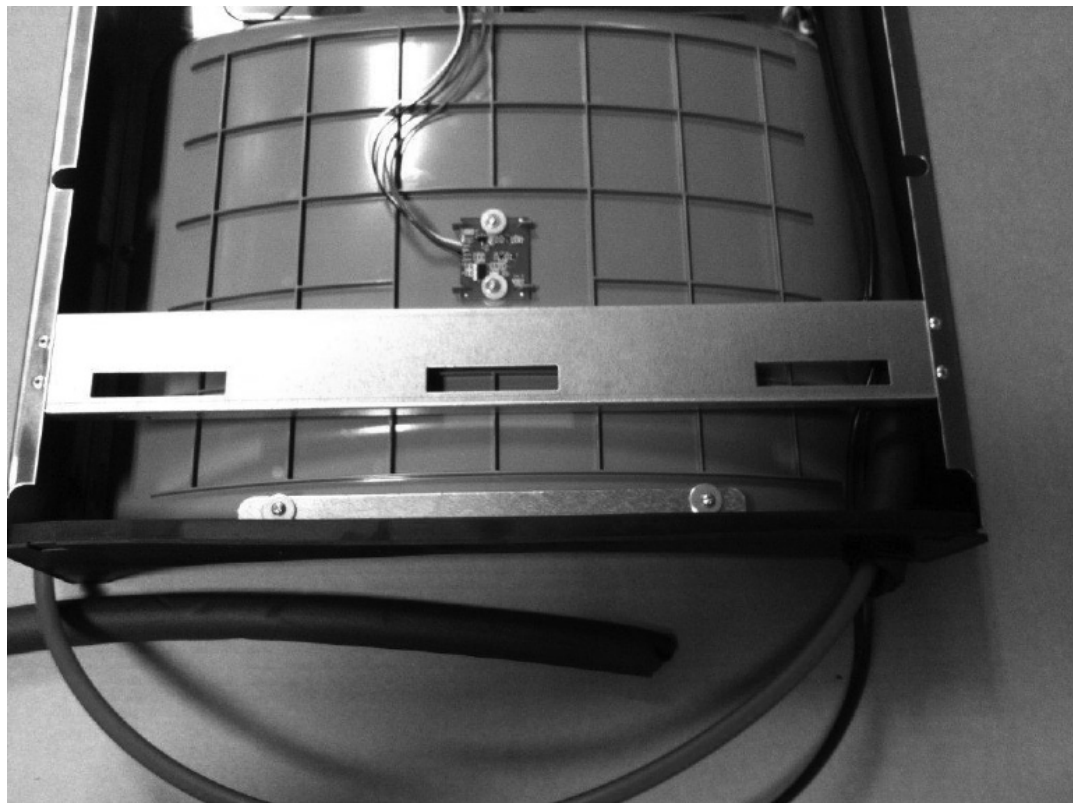
# BOTTLE FILLER GASKET



**Fig. 11**



**Fig. 12**

## WIRING MODIFICATION FOR NON-REFRIGERATED UNIT IN A TWO-LEVEL COOLER
## IF BOTTLE FILLER COUNTER CONTINUOUSLY ADVANCES

**1) DISCONNECT POWER TO ALL UNITS BEFORE PROCEEDING!**
2) Disconnect ribbed wire (powercord) from the switch wire (from pushbar), add the female to female adapter to wire.
3) Remove the smooth larger black wire (powercord) from the solenoid valve.  Connect ribbed wire with female adapter from step 2 to where the smooth black wire was connected.
4) Add the male to male adapter to the smooth wire removed in step 3.
5) Connect the smooth black wire with male adapter to the swith wire (from pushbar) removed in step 2.
6) Reconnect power to all units.  Verify bottle filler counter advances only when water is flowing.
7) Once unit tests out, install lower panels back on water cooler. Units are ready for use.
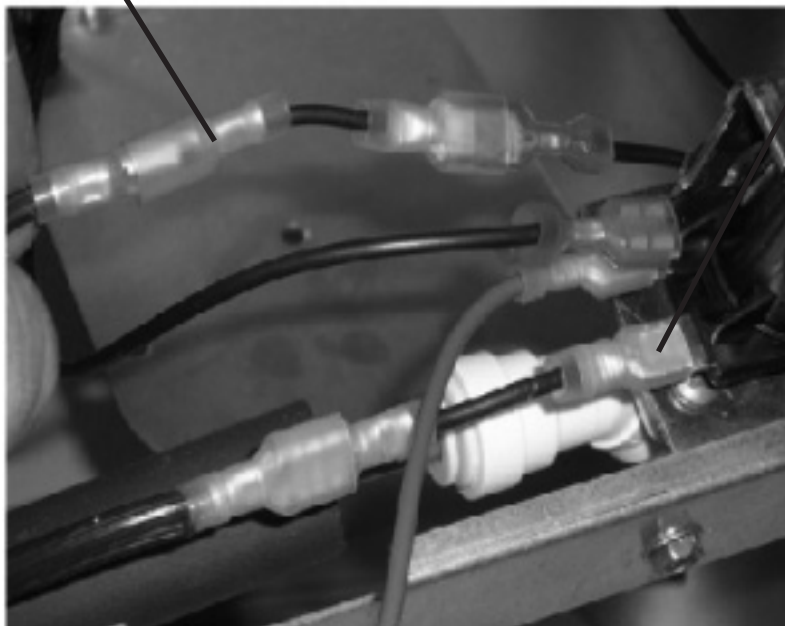


REVERSE THESE TWO WIRES ON THE NON-REFRIGERATED UNIT OF TWO LEVEL MODELS ONLY USING THE PROVIDED ADAPTERS.

POWERCORD BLACK RIBBED WIRE

POWERCORD BLACK SMOOTH WIRE

MALE TO MALE ADAPTER

FEMALE TO FEMALE ADAPTER



UNIT WITH  WIRE ADAPTERS  ADDED AND WIRED CORRECTLY

# 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 top cover of the bottle-filler. Remove the two (2) screws holding top cover to bottle-filler with a 5/32" allen wrench.  Remove top cover. Do not discard mounting screws, they will be needed to reinstall the top cove after programming operations are completed. The programming button is located at the top right side of the unit on the control board.

### 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.
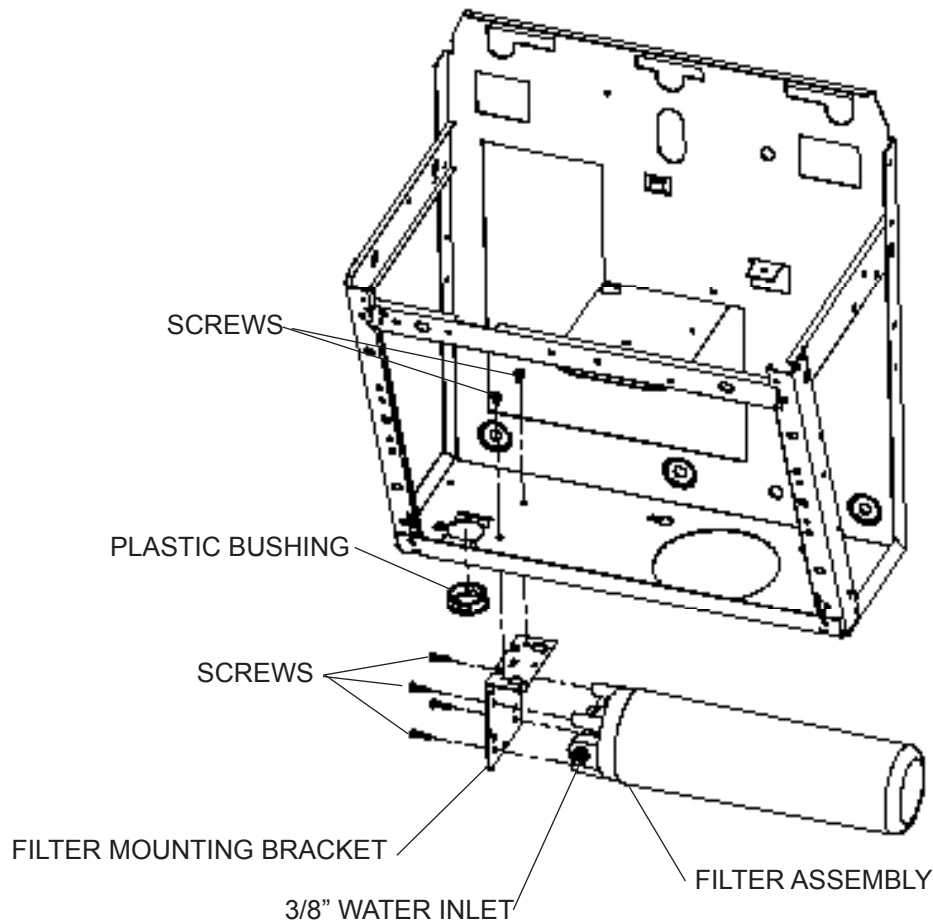
### RESETTING BOTTLE COUNT

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. "00033183".
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 00000001,
    (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 00000001,
    (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.

1-3/8" Dia. Hole    EXISTING HOLE    3/16" Dia. 2 Holes

A

B

2.25

1.75

3.75
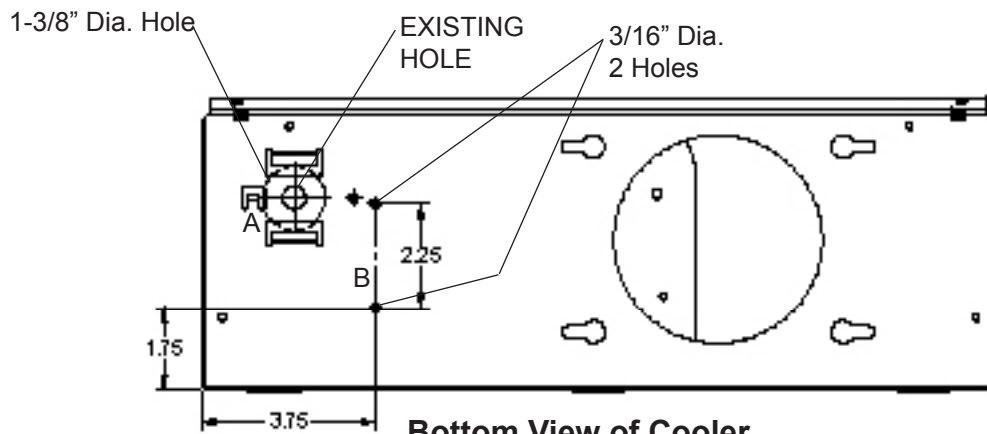
**Bottom View of Cooler
Fig. 13**

SCREWS

PLASTIC BUSHING

SCREWS

FILTER MOUNTING BRACKET

3/8" WATER INLET

FILTER ASSEMBLY

**Alternate Filter Mounting Location Fig. 14**

**ALTERNATE FILTER MOUNTING LOCATION**

1) Using the supplied punch from the Bottle Filler installation, punch a 1-3/8" dia. hole "A" at the existing hole shown in Fig. 13.
2) Drill two 3/16" dia. hole at location "B" shown in Fig 13.
3) Remove Filter bracket from filter assembly and reinstall as shown in Fig. 14. Be sure the 3/8" water inlet is facing out.
4) Install plastic bushing (supplied) as shown into 1-3/8" hole, bushing must be used so waterlines will not be cut by sharp edges of base plate.
5) Install filter assembly to bottom of cooler as shown in Fig. 14 with 2-#8 sheet metal screws.
6) Run the inlet and outlet water lines to filter.
7) P/N 98551C - LZ Filter Mounting Cover (Light Gray Granite) or P/N 98568C - LZ Filter Mounting Cover (Stainless Steel) may be order to enclose the filter beneath the cooler (Not Shown).

| WATERSENTRY® PLUS FILTER PARTS LIST (See Fig. 15) | | | LISTA DE PIEZAS DEL FILTRO (Vea Fig. 15) | LISTE DES PIÈCES DU FILTRE (Voir Fig. 15) |
|---|---|---|---|---|
| ITEM NO. | PART NO. | DESCRIPTION | DESCRIPCIÓN | DESCRIPTION |
| 1 | 51294C | Filter Head Assy. | Ensamblado de la Cabeza del Filtro | Ens. de tête de filtre |
| 2 | 70792C | Screw #8-18 x .75 PH | Tornillo #8-18 x .75 PH | Vis #8-18 x .75 hp |
| 3 | 70823C | Fitting - Superseal 3/8" (10 mm) | Accesorio - Supersello 3/8" (10mm) | Raccord - Superseal 3/8" (10mm) |
| 4 | 70822C | Fitting - Superseal 1/4" (6 mm) | Accesorio - Supersello 1/4" (6 mm) | Raccord - Superseal 1/4" (6mm) |
| 5 | 51300C | Filter Assy | Ensamblado del Filtro | Ens. filtre |
| 6 | 70818C | Elbow - 3/8" (10mm) | Codo - 3/8" (10 mm) | Coude - 3/8" (10mm) |
| 7 | 22490C | Bracket | Fijador | Support |
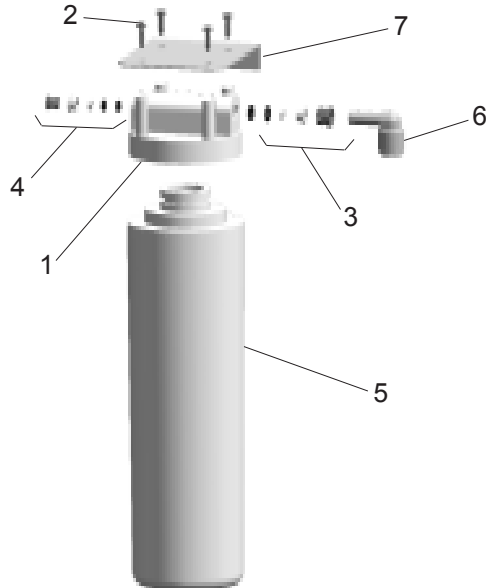


**WATER FILTER EXPLODED VIEW**

## Fig. 15

| REPLACEMENT PART KITS | |
|---|---|
| PART NO. | DESCRIPTION |
| 98543C | Kit - Electrical Package115V |
| 98544C | Kit - IR Sensor 115V |
| 98545C | Kit - Solenoid Valve Replacement 115 |
| 98546C | Kit - Aerator Replacement |
| 98547C | Kit - Top Cover Replacement |
| 1000001813 | Kit - Drain Tower/Basin Gasket |
| 98549C | Kit - Hardware & Waterway Parts |
| 98551C | Kit - LZ Filter Mounting Cover (L) |
| 98568C | Kit - LZ Filter Mounting Cover (S) |
| 98552C | Kit - Retro Filter Mounting |
| 0000001337 | Kit - Basin Replacement |
| 1000001812 | Kit - Bottle Filler Drain |
| 1000001877 | Kit - Drain Replacement |