⊖ ELKAY

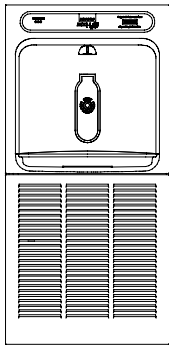# Installation/Care/Use Manual
EZH20 In Wall Bottle Filling Station
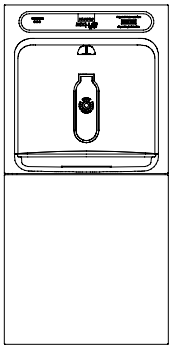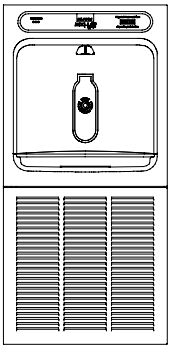
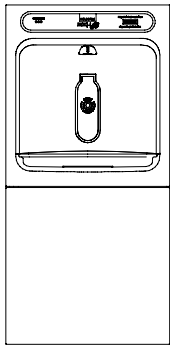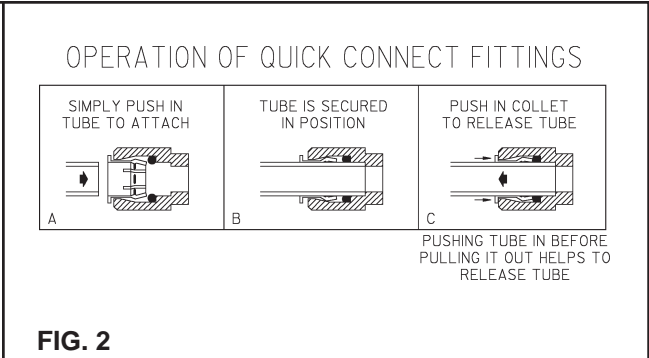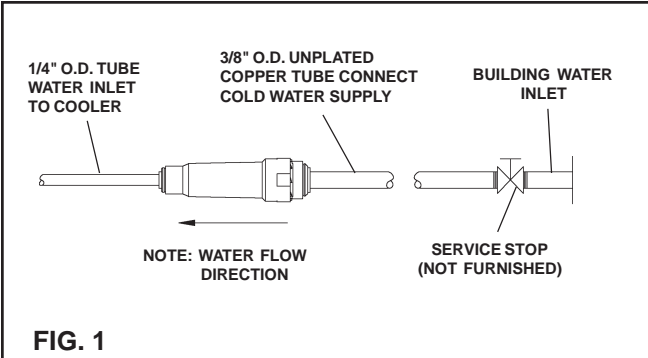| LZWSM8* | LZWSMD* | LZWSM8P* | LZWSMDP* |
| EZWSM8* | EZWSMD* | EZWSM8P* | EZWSMDP* |

Installer

To assure you install this model easily and correctly, PLEASE READ THESE SIMPLE INSTRUCTIONS BEFORE STARTING THE INSTALLATION. CHECK YOUR INSTALLATION FOR COMPLIANCE WITH PLUMBING, ELECTRICAL AND OTHER APPLICABLE CODES. After installation, leave these instructions inside the fountain for future reference.

IMPORTANT
ALL SERVICE TO BE PERFORMED BY AN AUTHORIZED SERVICE PERSON

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 FILLER BE PROTECTED BY A GROUND FAULT CIRCUIT INTERRUPTER (GFCI)

1/4" O.D. TUBE WATER INLET TO COOLER

3/8" O.D. UNPLATED COPPER TUBE CONNECT COLD WATER SUPPLY

BUILDING WATER INLET

NOTE: WATER FLOW DIRECTION

SERVICE STOP (NOT FURNISHED)

FIG. 1

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. 2

LZWSM8P*, LZWSMDP* EZWSM8P*, EZWSMDP* ROUGH-IN
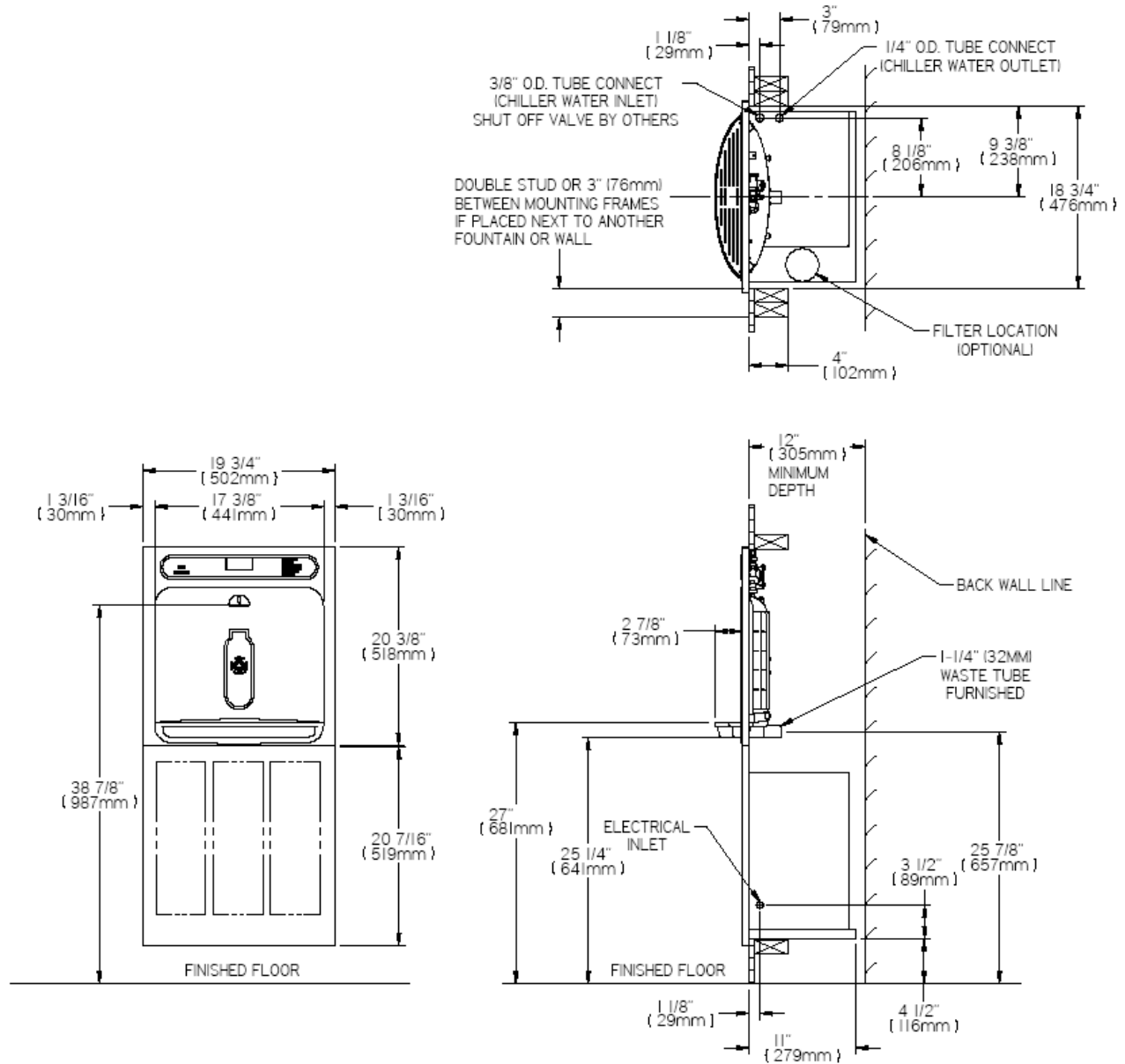

FIG. 3

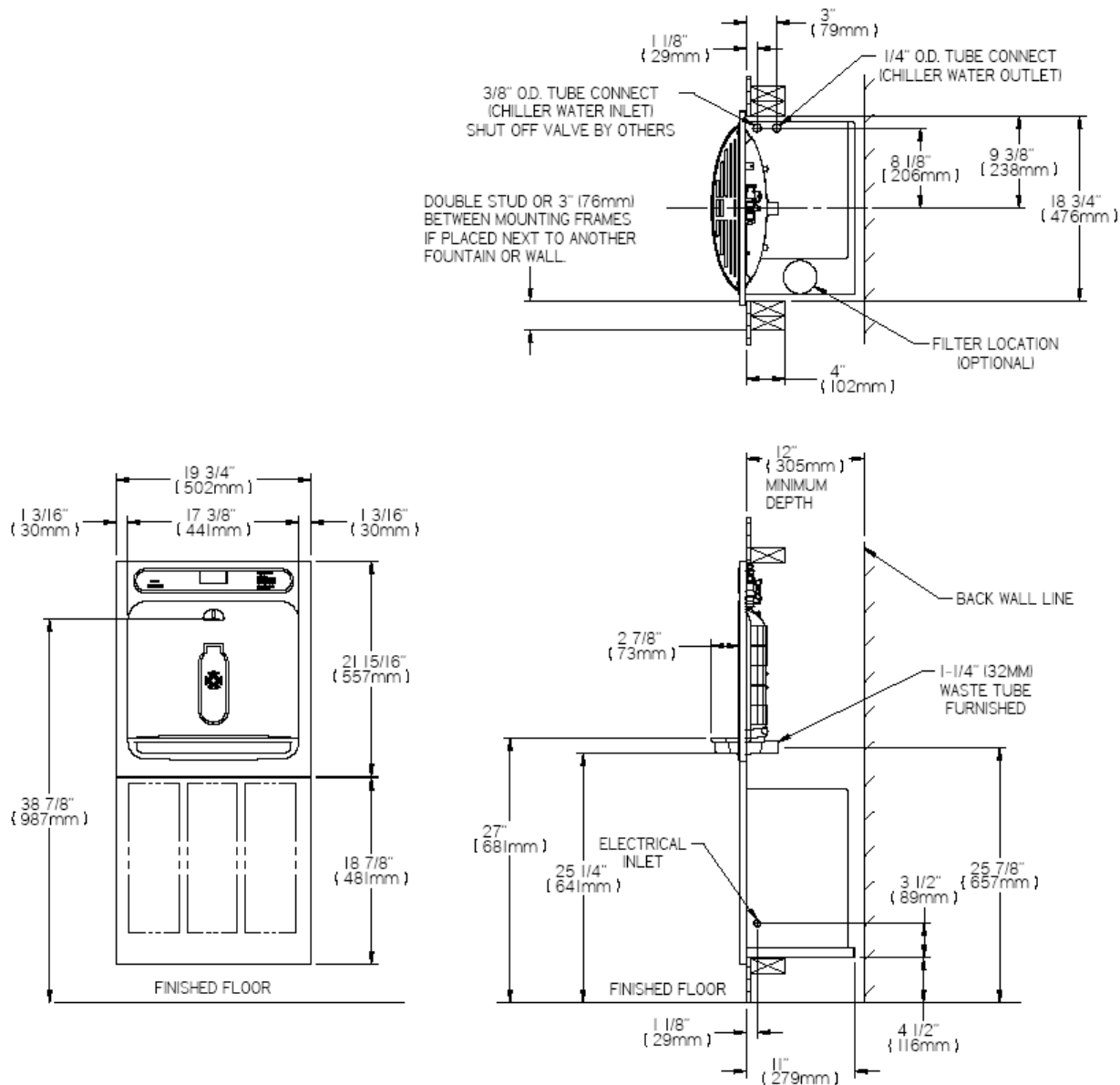## LZWSM8*, LZWSMD* EZWSM8*, EZWSMD* ROUGH-IN

FIG. 4

INSTALLATION INSTRUCTIONS

1. Install mounting frame. See mounting frame instructions.
2. Install remote chiller. See chiller instructions.
3. **EWF3000 WATERSENTRY PLUS FILTER INSTALLATION**
    (Filtered units only. For non filtered units proceed to step 4b**)**
    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 of filter head prior to mounting the filter head assembly into the remote chiller
   3) Mount filter head to the side of the remote chiller using the filter mounting bracket and screws supplied.
    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. 5). Ends of tubing must be cut square and free of burrs and sharp ends that could cut or nick the o-rings.
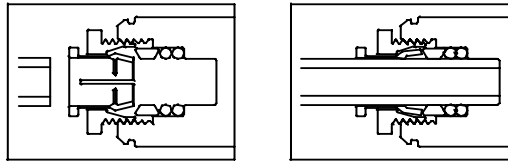
NOTE: SCREW THE LOCKNUT HAND TIGHT TO SEAL
FIG. 5

4a. Make water supply connections for Fltered units. Install a shut-off valve and union connection to building water supply (valve and union not provided). Turn on the water supply and flush the line thoroughly.
4b. Make water supply connections for Non Fltered units. Install a shut-off valve and union connection to building water supply (valve and union not provided). Turn on the water supply and flush the line thoroughly. intsall the in-line strainer between the valve and the cooler. The in-line stainer is not installed on filtered units.
5. **(**Filtered units only. For non filtered units proceed to step 7**)**
    Make connection between filter head and building supply line. Insert the 3/8" water line into the inlet side of the filter head by pushing it in until it reaches a positive stop, approximately 3/4" (19mm). Install two 1/4" x 1/4" unions (provided) on the chiller. One on the inlet tube, and the other on the outlet tube.
6. Make connection between the filter head and the remote chiller. Insert end of 1/4" O.D. poly tubing from the filter head (provided) into union on chiller inlet
7. Mount the upper panel to the mounting frame, aligning holes in the hinge brackets with holes in the mounting frame (three places). Mount with adaquete size screws (Not provided) Close the door and verify that the lock brackets on the side and bottom of the panel align with the slots on the mounting frame. Also verify that the panel is hanging high enough that it covers the top of the mounting frame. If adjustments need to be made, open the door and loosen the three screws on the hinge and adjust accordingly and then retighten the screws.
8. Connect water line from the water station by inserting the 1/4" O.D. poly tubing into the union on the chiller outlet.
9. Close the upper door and attach the drain fittings to drain tube. Re-attach elbow to p-trap and cut waste tube to required length using plumbing hardware and trap as a guide.

PLUMBING DIAGRAM
FIG. 6

FILTERED
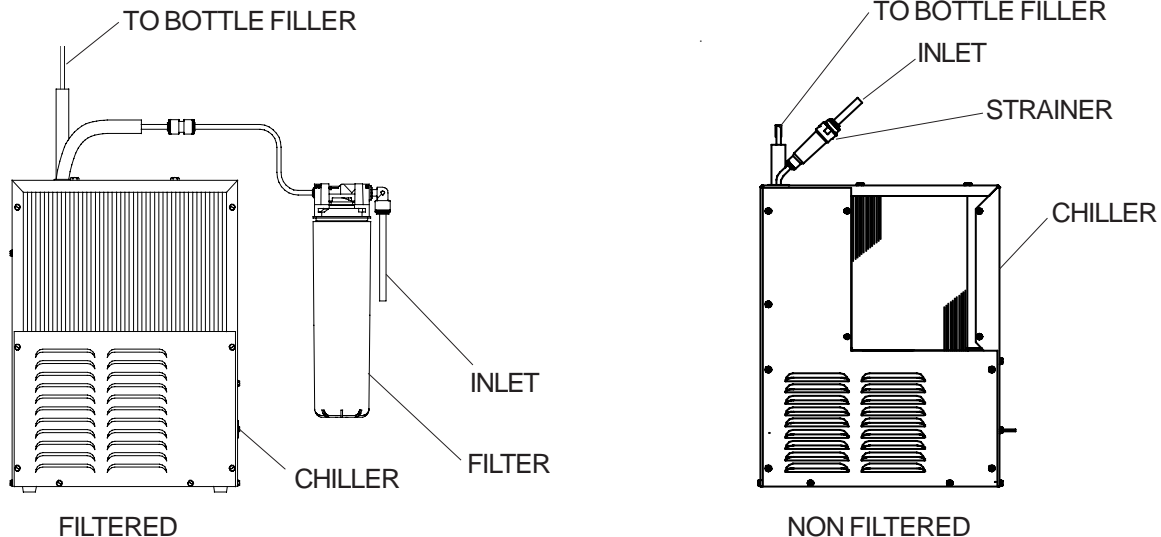
NON FILTERED

10. Lock the door in place using two set screws (provided) on the side of the panel ,and a ¼ x 20 bolt thru the front of the panel into the nut in the frame.

11. (Filtered nits only) Install filter cartridge, remove filter from carton, remove protective cap, attach filter to filter head by firmly inserting into head and rotating filter clockwise.

12. Turn water supply on and inspect for leaks. Fix all leaks before continuing.

13. Once unit has been inspected for leaks, and any leaks found corrected, plug Bottle Filler into wall (power cord not supplied on 220V models). Be sure to reinstall fuse to the circuit or switch the circuit breaker back to the "ON" position.

14a. (Filtered units) Once power is applied to Bottle Filler, the GREEN LED light should illuminate showing good filter status along with the LCD Bottle Counter.

14b.(Non Filtered units) Once power is applied to Bottle Filler, the LCD Bottle Counter should illuminate.

15. 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. A steady stream of water assures all air is removed. The sensor has a 30 second maximum **ON** time. It may be necessary to step away from beam a few times to allow chiller tank to refill. Check for leaks.

16. Mount the lower panel to the mounting frame, aligning holes in the hinge brackets with holes in the mounting frame (three places). Mount with adaquete size screws (Not provided) Close the door and verify that the lock brackets on the side of the panel align with the slots on the mounting frame. If adjustments need to be made, open the door and loosen the three screws on the hinge and adjust accordingly and then retighten the screws.

17. Lock the lower door in place using two set screws (provided) on the side of the panel.
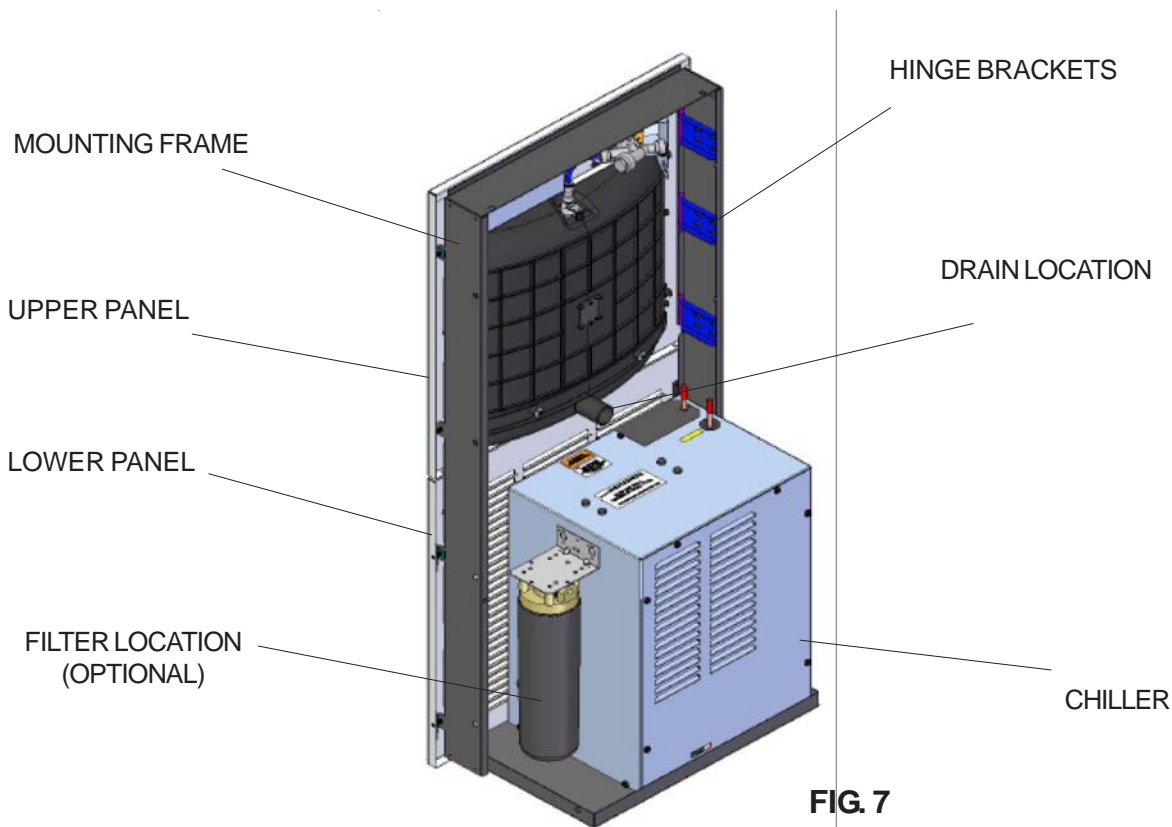

MOUNTING FRAME

UPPER PANEL

LOWER PANEL

FILTER LOCATION
(OPTIONAL)

HINGE BRACKETS

DRAIN LOCATION

CHILLER

FIG. 7

BF6-BF7-BF8 PROGRAMS
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 oulet.
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 BF6, BF7, BF8 or BF9.
6) Reference the BF6-BF7-BF8 or BF9 instructions for setting the control board.

ACCESSING THE PROGRAMING BUTON

1) To access the program button the lower panel of the unit must be must be opened. The programming button is loacted at the bottom right corner of the upper panel. This area of the unit is concealed by the lower 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 three messages:
   "RST FLTR" – Reset Filter Status LED
   "RST BCNT" – Reset Bottle Count
   "RNG SET" – Range Set for IR Sensor
   If the program button is not pushed again the display will scroll through the three 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 "FLT=". Depress the button again and the display will show "FLTR=0".
4) The green LED shoud now 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 three messages:
   "RST FLTR" – Reset Filter Status LED
   "RST BCNT" – Reset Bottle Count
   "RNG SET" – Range Set for IR Sensor
2) 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 display shows "RNG SET" push program button once the display will show current value (can be 1 – 10) i.e. **"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.

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
   "RST BCNT" – Reset Bottle Count
   "RNG SET" – Range Set for IR Sensor
   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 "RST BCNT", depress the button again. The display will change to show current bottle count value i.e. "BC0033183".
3) Depress the button again and the display will change to "BTLCT=0" for approximately 2 seconds and then return to run mode displaying 000000.
4) You can test the bottle counter by running water approximately 5 seconds to see bottle counter advance 1.

BF9 PROGRM
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 oulet.
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 BF6, BF7, BF8 or BF9.
6) Reference the BF6-BF7-BF8 or BF9 instructions for setting the control board.

ACCESSING THE PROGRAMING BUTON

1) To access the program button the lower panel of the unit must be must be opened. The programming button is loacted at the bottom right corner of the upper panel. This area of the unit is concealed by the lower 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 BCNT" – 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 "FLT =". 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 TYPE" - Type of unit (REFRIG or NONREFRIGE)
   "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) i.e. "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.
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 TYPE" - Type of unit (REFRIG or NONREFRIGE)
   "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 NONREFRIG
4) Push buton once to change value. Once value is selected the display will show the new value. (Can be REFRIG or NONREFRIG)
   "REFRIG" - stands for refrigerated product. In this setting the flow rate is estimated at 1.0 gallon per minute.
   "NONREFRIG" - stands for nonrefrigerated product. In this setting the flow rate is estimated at 1.5 gallons per minute.
   Both "REFIG" and "NONREFRIG" simutate 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 TYPE" - Type of unit (REFRIG or NONREFRIGE)
   "RST BCNT" - Reset bottle count
   If the button is not pushed again the display will scroll through the three messages above for the cycles and return to run mode.
3) When display shows "RST BCNT" push program button once the display will show current value i.e. "BC0033183".
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) To test bottle counter, you can place bottle or hand in front of sensor for approx 5 seconds to see bottle counter count 00000001.
   (This is based on filling a 16 oz bottle)

REPAIR SERVICE INFORMATION TOLL FREE NUMBER 1.800.260.6640
FOR PARTS, CONTACT YOUR LOCAL DISTRIBUTOR OR CALL 1.800.323.0620
ELKAY MANUFACTURING COMPANY • 2222 CAMDEN COURT • OAK BROOK, IL 60523 • 630.574.8484

PAGE 7

98557C (Rev. E - 5/2011)

WATERSENTRY® PLUS FILTER PARTS LIST (See Fig. 8)			LISTA DE PIEZAS DEL FILTRO (Vea Fig. 8)	LISTE DES PIÈCES DU FILTRE (Voir Fig. 8)
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
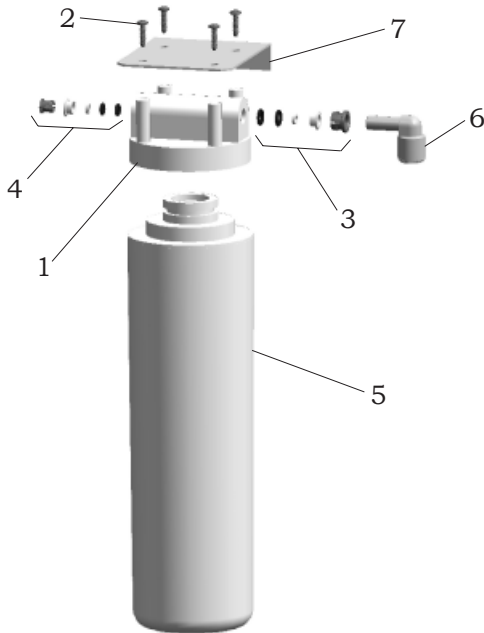
WATER FILTER EXPLODED VIEW
FIG. 8
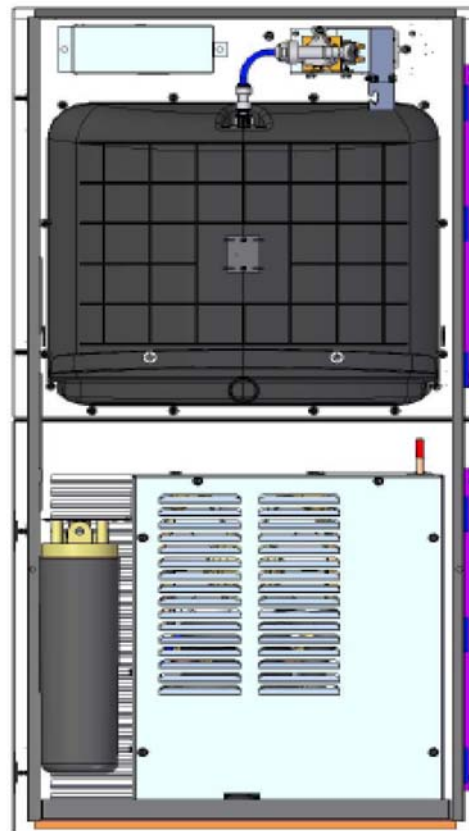
FIG. 9

REPLACEMENT PART KITS

| PART NO.	DESCRIPTION
98543C	Kit - Electrical Package
98544C	Kit - EE Sensor
98545C	Kit - Solenoid Valve Replacement
98546C	Kit - Aerator Replacement
98549C	Kit - Hardware & Waterway Parts
98631C	Kit - Electrical Package 220V
98632C	Kit - Solenoid Valve Replacement 220V

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INFORMATIONS POUR LE SERVICE PAR NUMERO SANS FRAIS 1.800.260.6640

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PARA PIEZAS, CONTACTE A SU DISTRIBUIDOR LOCAL O LLAME AL 1.800.323.0620
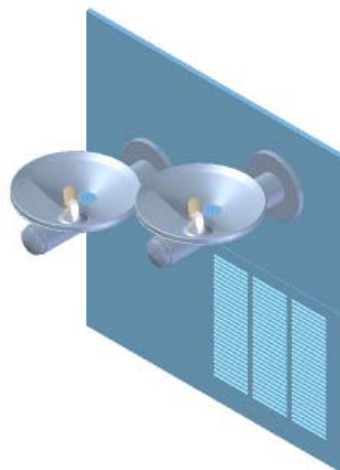POUR OBTENIR DES PIÈCES, CONTACTEZ VOTRE DISTRIBUTEUR LOCAL OU COMPOSEZ LE 1.800.323.0620

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⊖ ELKAY With FLEXI-GUARD
INSTALLATION, CARE & USE MANUAL
SWIRLFLO™ *Refrigerated fountains with FLEXI-GUARD*™
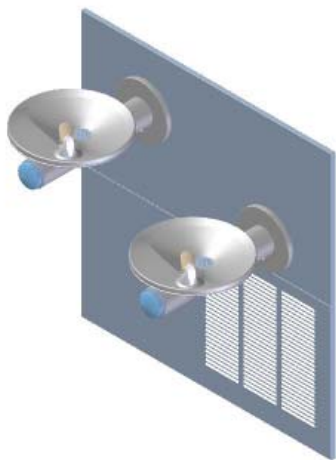

ERPB2-8C   ERPB2-8RAC

INSTALLER

⚠ **CAUTION:**   Review these instructions before beginning installation. Be sure that installation conforms to all plumbing, electrical and other applicable codes.

⚠ **WARNING:**   When installation is complete, ensure these instructions are left in the plastic bag provided inside the installed unit for future reference.

⚠ **WARNING:**   Service to be performed by authorized service personnel only.

NOTE: It is common practice to ground electrical hardware such as telephones, computers and other devices to available water lines. This can, however, cause electrical feedback in the plumbing circuit, which results in an "electrolysis" effect occurring in the fountain. This may result in water which has a metallic taste to it or has a noticeable increase in the metallic content of the water.

When inspecting plumbing circuit, remember the line may be grounded some distance from the installation, and may occur outside the building or area in which the unit is being installed.

This condition can be avoided (in most cases) by using recommended materials during installation. Any drain fittings provided by the installer should be made of *plastic* which will _electronically isolate_ the fountain from the remainder of the building's plumbing circuits.

Model LRPB2-8RAC

Model LRPB2-8C
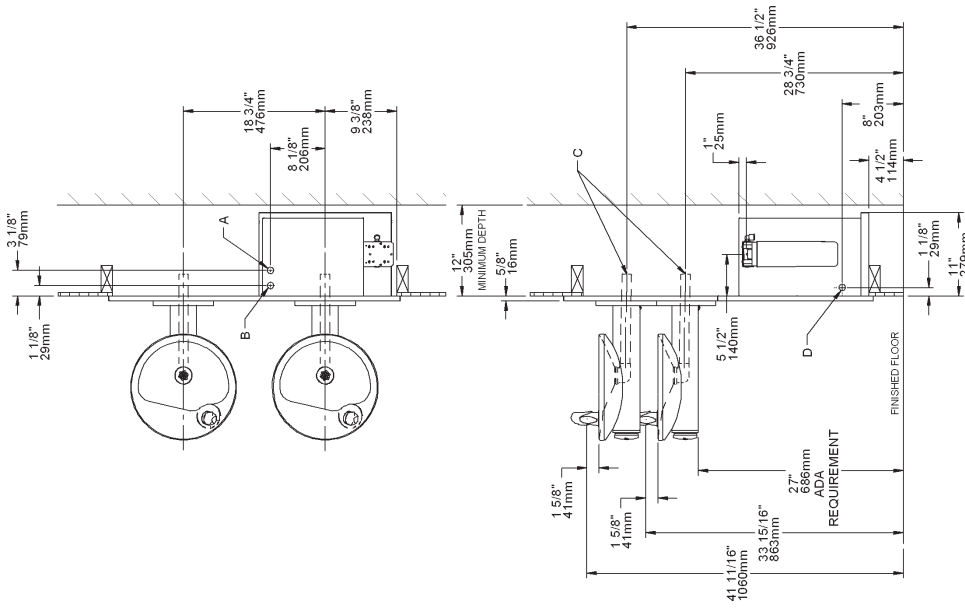
Figure 1 - Rough-in Dimensions
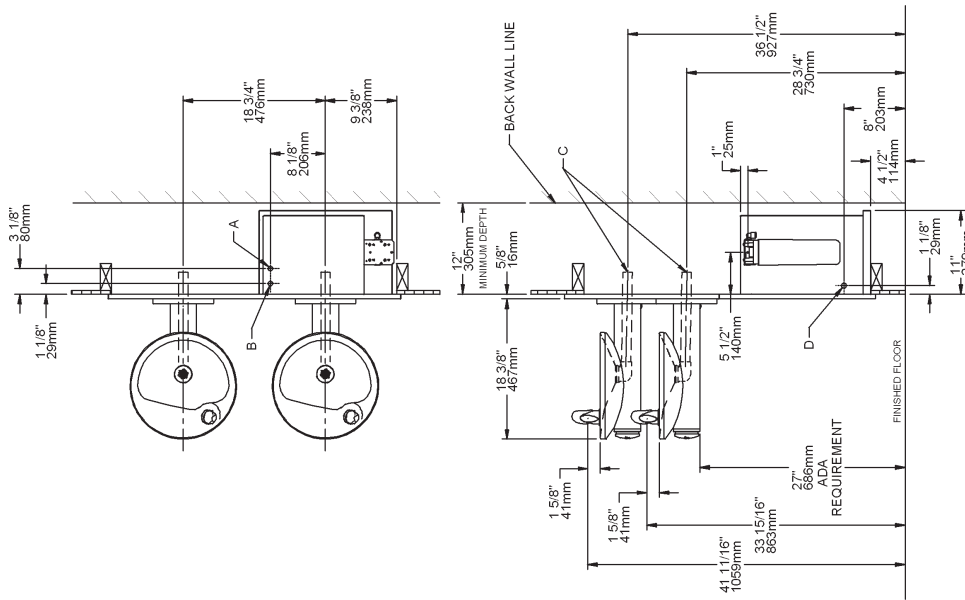
LEGEND
A = 1/4" O.D. Tube - Water Outlet Connection
B = 3/8" O.D. Tube - Water Inlet Connection
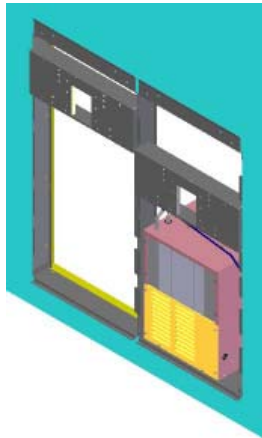**C = 1-1/4" Waste Tube**
D = ELECTRICAL INLET

Figure 2 - Chiller Installation
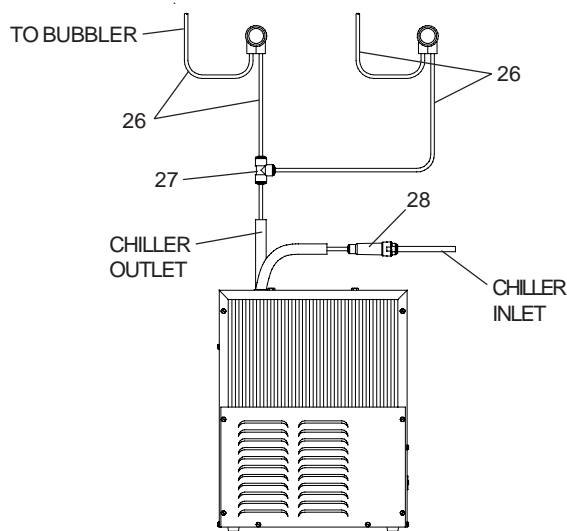
REQUIRED TOOLS AND MATERIALS
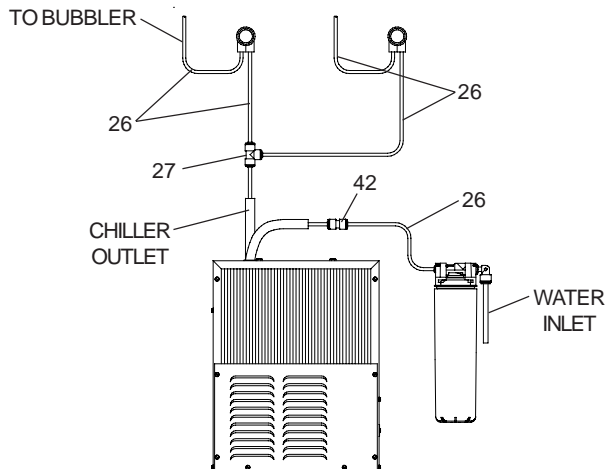
These tables show special tools and/or additional materials (not provided) which are necessary to complete installation of these units:

Special Tools

Item	Description	Quantity
	NONE	

Additional Materials

Item	Description	Quantity
1	Unplated copper inlet pipe	
2	Service Stop	

1. **Install chiller:** Remove front panel of chiller. **Remove and discard cardboard inner pack from between compressor and side panel.** Slide chiller onto the shelf and position it to the left as per dimensions in Figure 1.

   Note: Building construction must allow for adequate air flow on both sides, top and back of chiller. A minimum of 4" (102mm) on both sides and top is required. See chiller installation for additional instructions.

2. **Make** water supply connections. Install a shut-off valve and union connection to building water supply (valve and union not provided). Turn on water supply and flush the line thoroughly.

3. **ERPB Models:** Make connection between remote chiller and building supply line. Inlet port is marked on the chiller (1/4" O.D. copper tube). Bend the copper tube (provided) at an appropriate length from chiller to opening in frame. Install the in-line strainer (provided with chiller) by pushing it until it reaches a positive stop, approximately 3/4" (19mm) on the marked chiller inlet port. Connect building supply line to strainer. (See Figure 3)

   Caution: DO NOT SOLDER tubes inserted into the strainer as damage to o-rings may result.

4. **LRPB Models:** Mount filter head assembly to side of chiller (See Figure 4). Make connections between filter and building supply line (3/8" O.D. tube not porvided). Inlet port is marked on the chiller (1/4" O. D. copper tube). Install a 1/4" x 1/4" union (provided) on the marked chiller inlet port. Insert the 1/4" poly tubing (provided) into the fitting on filter and connect the union to the chiller. (See Figure 4)

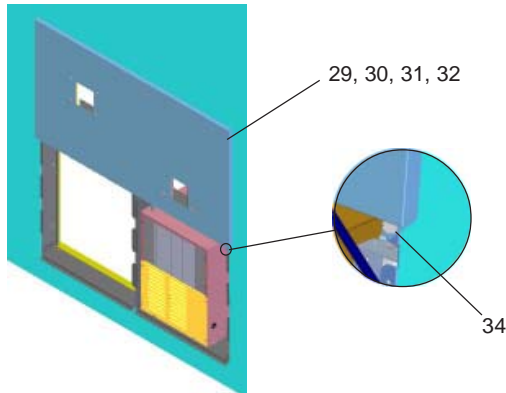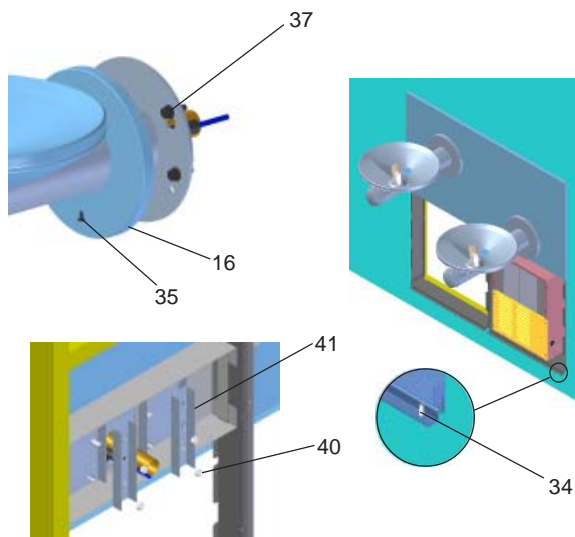   **Caution:** DO NOT SOLDER tubes inserted into the strainer as damage to o-rings may result.

Figure 3 - ERPB Tube Routing

Figure 4 - LRPB Tube Routing

Figure 5 - Upper Panel Installation

View From Rear
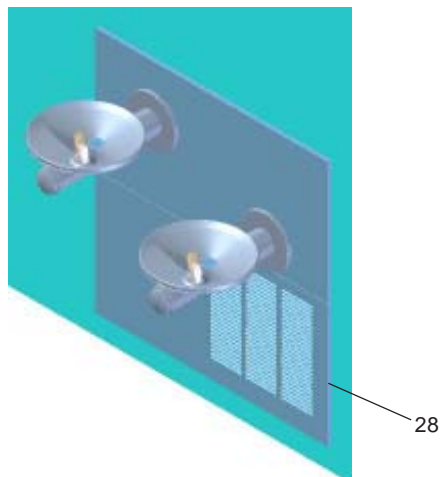
Figure 6 - Fountain Installation

Figure 7 - Lower Panel Installation

5. **Hang** the upper panel on the mounting frame hanger. Be sure that the panel is engaged with hanger at the top of frame before releasing it. Align holes in the panel with holes in the mounting frame. Install two (2) #10-24 x 5/8" (16mm) screws (Item 29 - Figure 5) in holes and tighten securely.

6. **Install** the fountain. Remove the screw (Item 30) from cover plate and slide cover plate (Item 14) toward basin. Mount the fountain to the upper panel and frame with (4) 5/16" x 1" (25mm) bolts (Item 33), brackets (Item 36) and nuts (Item 35) provided. Tighten securely. **Brackets (Item 36) must be installed as shown to properly support fountains.** (See Figure 6)

7. **Attach waste tube** (1-1/4" O.D.) to 1-1/4" O.D. slip trap (provided by others).

8. **ERPB Models:** Make connections between remote chiller outlet tube and fountain. Outlet port is marked on the chiller (1/4" O.D. copper tube). Install a 1/4" x 1/4" tee (provided) on the marked chiller outlet port. Insert the 1/4" poly tubing coming from the fountain into the union. Turn on the water supply and check for leaks.

> **CAUTION:** DO NOT SOLDER tubes inserted into the strainer as damage to o-rings may result.

LRPB Models: Make connections between remote chiller outlet tube and fountain. Outlet port is marked on the chiller (1/4" O.D. copper tube). Install a 1/4" x 1/4" tee (provided) on the marked chiller outlet port. Insert the 1/4" poly tubing coming from the fountain into the union.

> **CAUTION:** DO NOT SOLDER tubes inserted into the strainer as damage to o-rings may result.

9. **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.

10. **Make electrical connections to the chiller.** See chiller instructions.

11. **Check stream height from bubbler.** Stream height is factory set at 35 PSI. If supply pressure varies greatly from this, remove push button (Item 17 - Figure 11) and adjust the screw on the regulator (Item 19 - Figure 11). To remove push button, remove set screw from bottom of sleeve (Item 33). Insert a small punch in screw hole and push up while grasping the push buttom and pull forward removing the push button. Clockwise adjustment will raise stream height and counterclockwise movement will lower stream height. For best adjustment stream should hit basin approximately 6-1/2" from the bubbler. Reassemble push button by pushing in on button until the push button catches in the sleeve. Reinstall the setscrew (Item 33) in the sleeve (Item 15).

12. **Mount lower panel.** Loosen the three (3) #10-24 x 5/8" (16mm) screws (Item 29 - Figure 6) at frame bottom lip. Slide upper tongue of lower panel under lower edge of already installed upper panel. Tighten previously loosened screws securely. (See Figure 7)

FLEXI-GUARD® BUBBLER DETAIL

FLEXI-GUARD® STREAMSAVER™ BUBBLER DETAIL
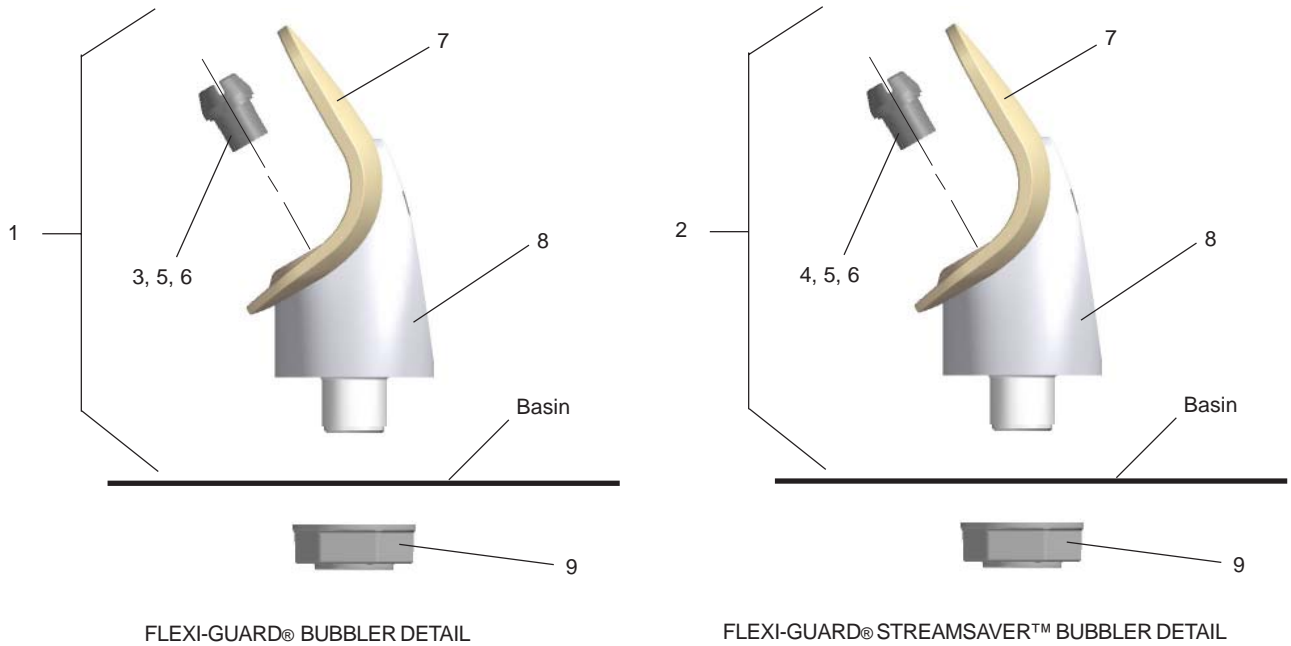
NOTE:
When installing replacement bubbler and pedestal, tighten nut (Item 7) only to hold parts snug in position. Do Not Overtighten.
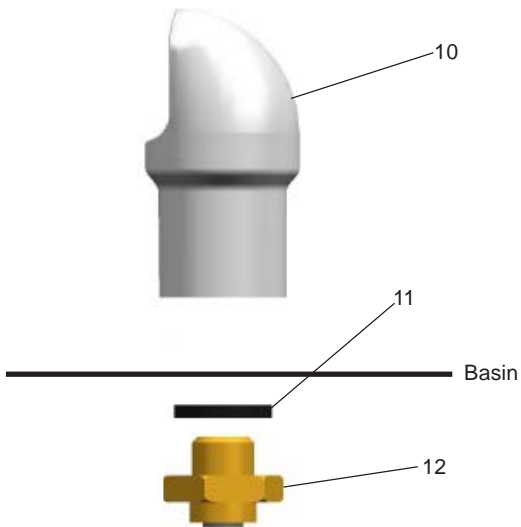
VANDAL RESISTANT BUBBLER DETAIL
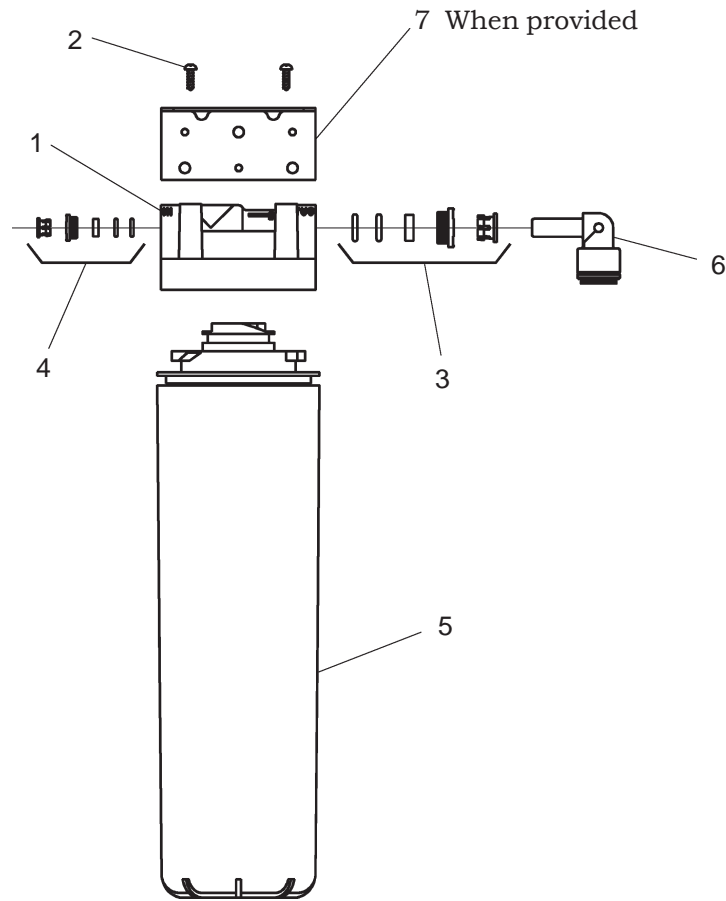
Figure 8 - Bubbler Details

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Figure 9 - Filter Assembly

WaterSentry Filter Detail

ITEM NO.	PART NO.	DESCRIPTION
WATERSENTRY® FILTER PARTS LIST (See Fig. 9)		
1	51294C	Filter Head Assy.
2	70792C	Screw #8-18 x .75 PH
3	70823C	Fitting - Superseal 3/8" (10 mm)
4	70822C	Fitting - Superseal 1/4" (6 mm)
5	51299C	Filter Assy
6	70818C	Elbow - 3/8" (10mm)
7	22490C	Bracket
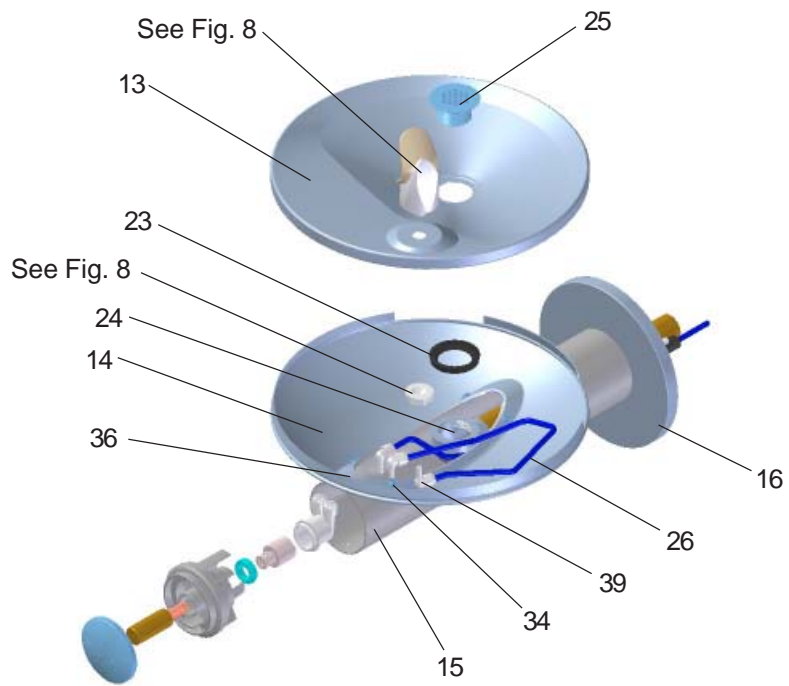
Figure 10 - Fountain Body Assembly
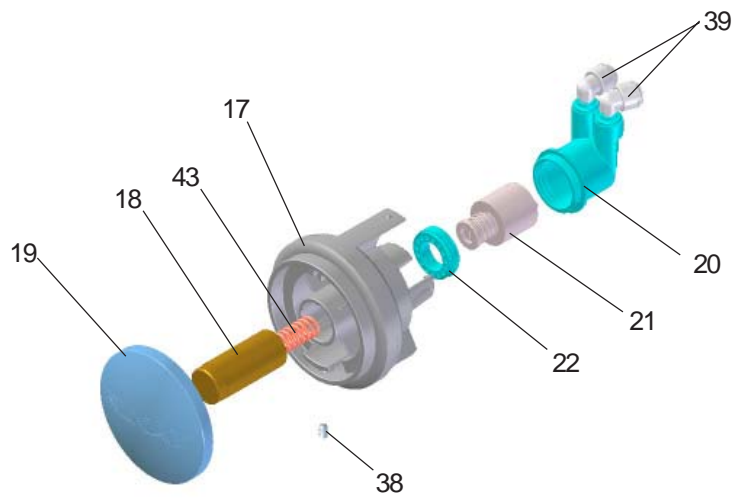
Figure 11 - Push Button Assembly

Installation Package

1/4" O.D. TUBE WATER INLET TO COOLER

3/8" O.D. UNPLATED COPPER TUBE CONNECT COLD WATER SUPPLY

BUILDING WATER INLET

NOTE: WATER FLOW DIRECTION

SERVICE STOP (NOT FURNISHED)

Figure 12 – Water Supply Connections

The components for installation are packed in three separate boxes, regardless of the type of unit being installed. The boxes contain the following:

Box No. 1: Wall Frame(s)
Box No. 2: Remote Chiller, ECH8
Box No. 3: Fountain(s), Arm(s) and Panels

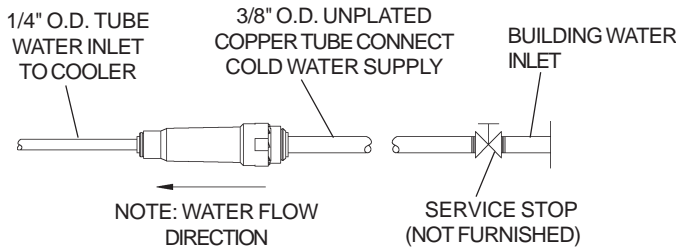**Additional materials, as noted in the Parts List, are also shipped in these boxes.**
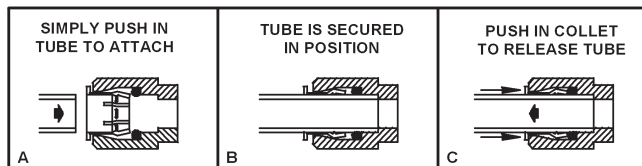
TROUBLESHOOTING & MAINTENANCE

Orifice Assembly: Mineral deposits on orifice can cause water flow to spurt or not regulate. Mineral deposits may be removed from the orifice by poking with a small round file not over 1/8" diameter, or using a small diameter wire.

⚠️ **CAUTION:** **DO NOT file or cut orifice material.**

Stream Regulator: If orifice is clean, regulate flow as in Step 11 of the installation instructions. If replacement is necessary, see parts list for correct regulator part number.

Actuation of Quick Connect Water Fittings: Cooler is provided with lead-free connectors which utilize an o-ring water seal. To remove tubing from the fitting, relieve water pressure, push in on the gray collar while pulling on the tubing. (See Figure 13) To insert tubing, push tube straight into fitting until it reaches a positive stop (approximately 3/4").

OPERATION OF QUICK CONNECT FITTINGS

SIMPLY PUSH IN TUBE TO ATTACH | TUBE IS SECURED IN POSITION | PUSH IN COLLET TO RELEASE TUBE

PUSHING TUBE IN BEFORE PULLING IT OUT HELPS TO RELEASE TUBE

Figure 13 – Quick Connect Fittings

PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION
1	56073C	Bubbler Assy
2	98502C	Bubbler Assy (Stream Saver)
3	40319C	Fitting - Orifice
4	40608C	Fitting - Orifice (Stream Saver)
5	50171C	O-Ring
6	50314C	Orifice - Flow Straightener
7	56011C	Housing Assembly
8	55997C	Pedestal
9	75580C	Bubbler Locknut
10	98118C	Bubbler Assembly VR
11	100322740560	Gasket - Black .68 x 1.03 VR
12	15009C	Nipple - Bubbler VR
13	55001132	Basin - Swirlflow
14	55000944	Lower Shell
15	45767C	Fountain Body
16	28343C	Cover Plate
17	45781C	Sleeve
18	45847C	Pin - Push Button
19	45848C	Push Button
20	50986C	Holder - Regulator
21	61313C	Regulator
22	15005C	Retaining Nut
23	56163C	Gasket - Drain
24	45769C	Assy - Drain/Tailpipe
25	45768C	Drain - Plug 1-1/2"
26	56092C	Poly Tubing (Cut To Length)
27	70682C	Tee - 1/4
28	55996C	Strainer (Provided with Chiller)
29	28383C	Back Panel RH ADA
30	28384C	Back Panel LH ADA
31	28948C	Back Panel RH ADA (Grn Spec)
32	28949C	Back Panel LH ADA (Grn Spec)
33	27026C	Lower Panel
34	111008343890	Screw - #10-24 x .62 HHSM
35	70432C	Screw - #8-32 x .38 THSM
36	38417001	Screw - #8-18 x .37 HHSM
37	75560C	Screw - 5/16-18 x 1.00 HHMS
38	75632C	Setscrew - #10-32 x .38
39	70817C	Fttng - Elbow 1/4 x 1/4
40	70020C	Nut - Hex 5/16-18
41	28395C	Bracket - Support
42	70683C	Fitting - Union 1/4 x 1/4
43	75671C	Spring - Push Button

REPAIR SERVICE INFORMATION TOLL FREE NUMBER 1.800.260.6640
FOR PARTS, CONTACT YOUR LOCAL DISTRIBUTOR OR CALL 1.800.323.0620

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