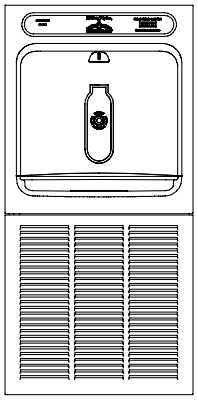
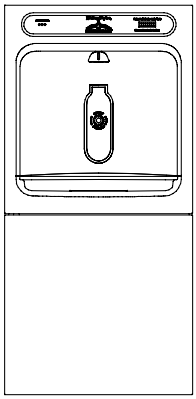
Halsey Taylor®

Installation/Care/Use Manual

Hydroboost In Wall Bottle Filling Station



HTHB-8*
HTHB-8-NR*



HTHB_LR*
HTHB_LR-NR*

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)

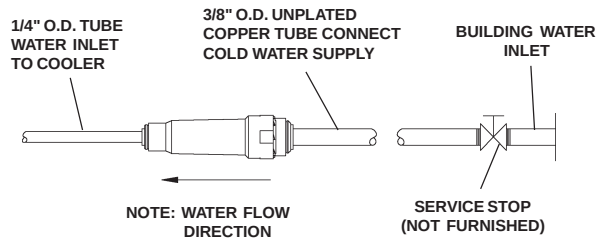


FIG. 1

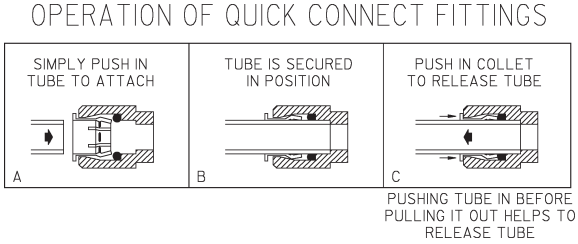


FIG. 2

HTHP-8*, HTHB-LR*, HTHP-8-NR*, HTHB-LR-NR* ROUGH IN

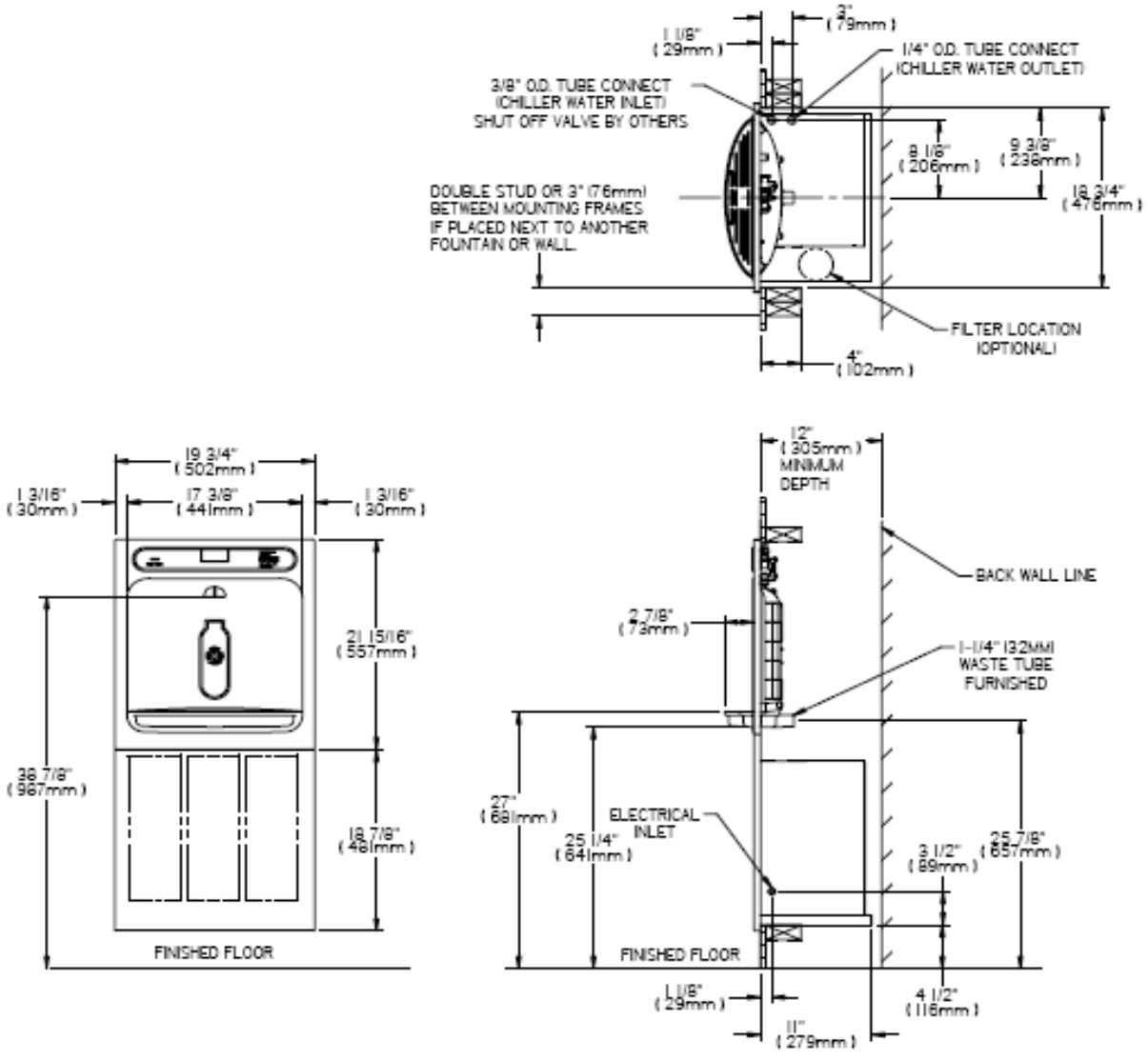


FIG. 3

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.

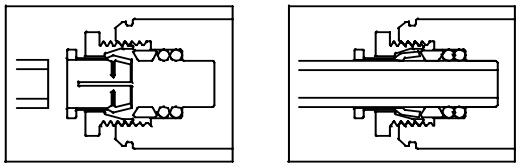
   1)These filter kits must be installed in compliance with all state and local laws and regulations governing the installation and use of this product. Maximum inlet water temperature 100°F (38°C).

   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.



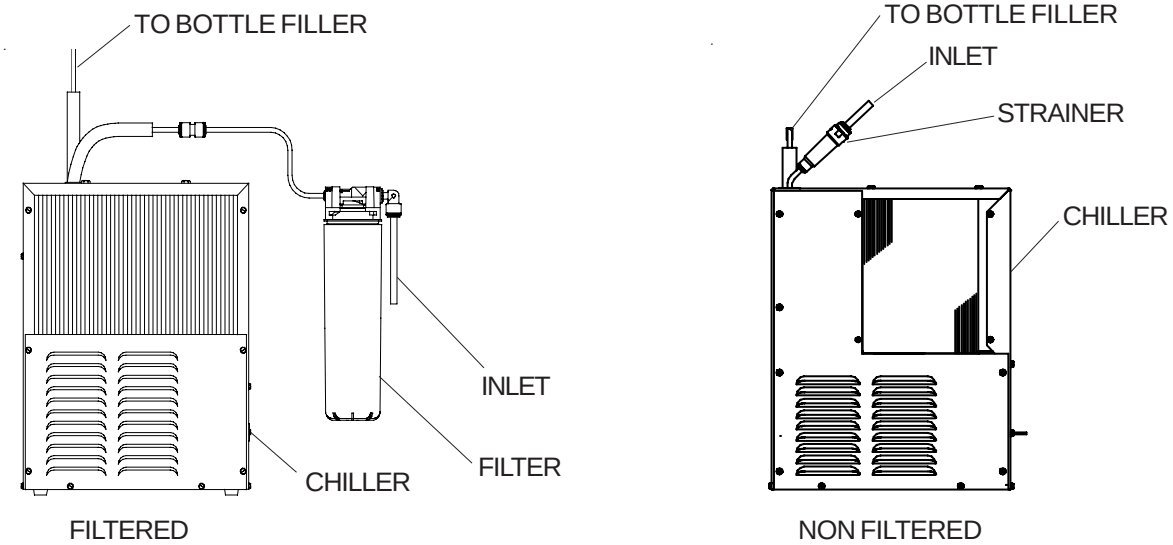
NOTE: SCREW THE LOCKNUT HAND TIGHT TO SEAL
FIG. 5

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



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.

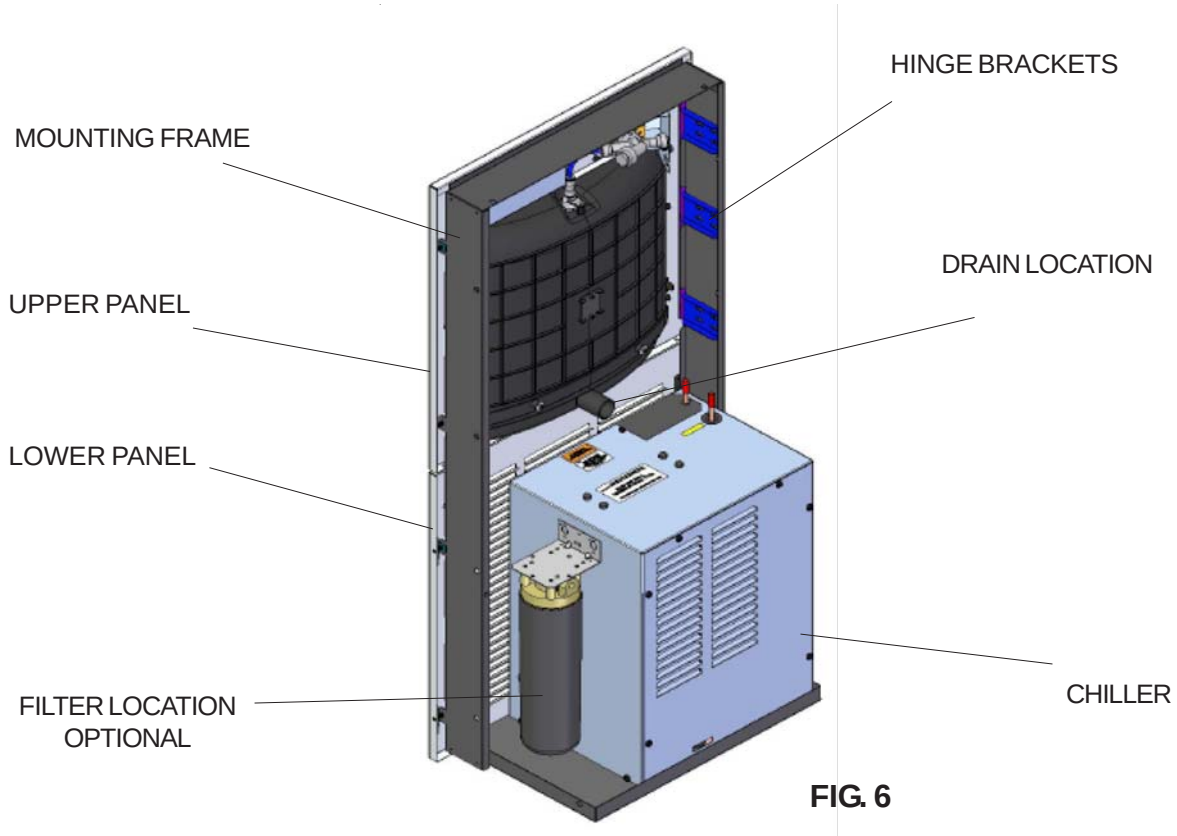


FIG. 6

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.

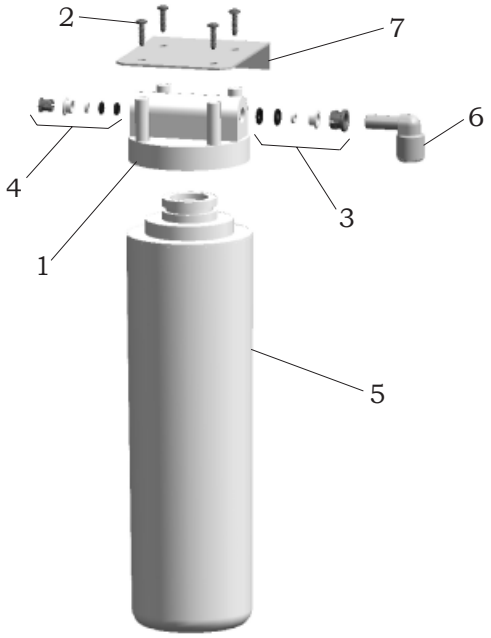
SETTING UNIT TYPE

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)

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	55898C	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. 7

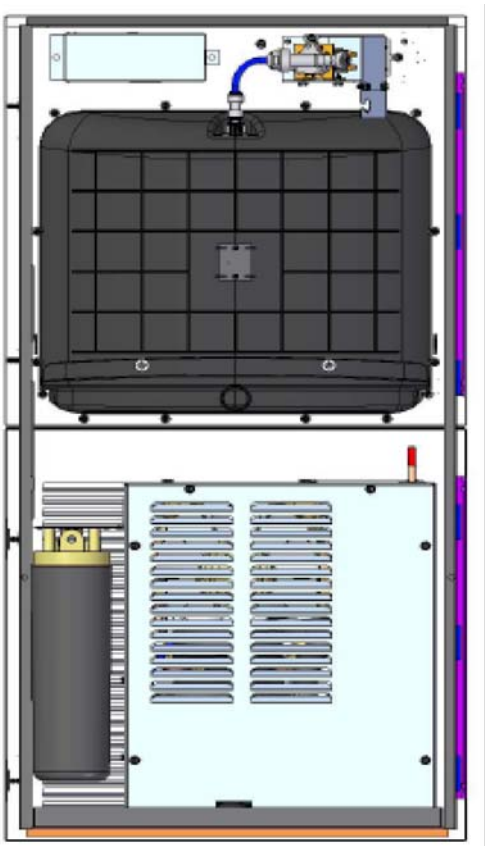


FIG. 8

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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HALSEY TAYLOR OWNERS MANUAL

OVL™ Series Barrier-Free Water Coolers
Refrigerated Fountains with Back Panel

Figure 1 – OVL-II ER-Q

Figure 2 – OVL-II SR-Q

Figure 3 – OVLII SER-Q

Figure 4 – OVL-II ESR-Q

Figure	Model	Description
1	OVL-II ER-Q	OVL-II Series - Extended Reach
2	OVL-II SR-Q	OVL-II Series - Standard Reach
3	OVL-II SER-Q	OVL-II Series - Dual Installation
4	OVL-II ESR-Q	OVL-II Series - Dual Installation

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.

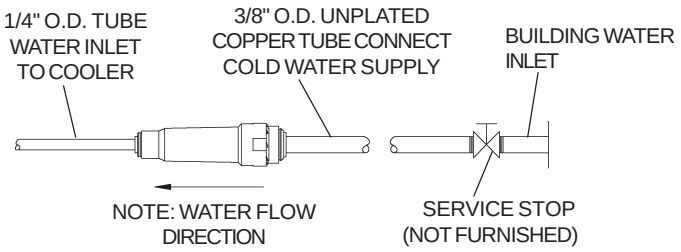


Figure 5 – Water Supply Connections

Installation Package

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, SJ8-Q
Box No. 3: Fountain(s), Arm(s) and Panels

Additional materials, as noted in the Parts List, are also shipped in these boxes.

Parts List **Number Required**

Item	Part No.	Description	OVL-II ER-Q	OVL-II SR-Q	OVL-II SER-Q	OVL-II ESR-Q	See Fig.
1	26990C	Bottom Cover - Standard Reach	-	1	1	1	27
	26988C	Bottom Cover - Extended Reach	1	-	1	1	27
2	55836C	Push Arm Actuator	1	1	2	2	23
	55991C	Push Arm Actuator - A.G.	1	1	2	2	23
3	51546C	Bubbler - S.S.	1	1	2	2	27
	45396C	Bubbler - A.G.	1	1	2	2	27
		Bubbler - EasyFlex (option)	1	1	2	2	-
	45878C	Bubbler - Smart Flow™	1	1	2	2	26
4	100322740560	Bubbler Gasket	2	2	4	4	26,27
5	160270508640	Strainer Plate - S.S.	1	1	2	2	27
	45400C	Strainer Plate - A.G.	1	1	2	2	23
6	101570540560	Drain Gasket	1	1	2	2	27
7	51575C	Packing Ring	1	1	2	2	27
8	110346220550	Drain Nut	2	2	4	4	27
9	101637451550	Friction Ring	1	1	2	2	27
10	161637308640	Drain Plug - S.S.	1	1	2	2	27
	45398C	Drain Plug - A.G.	1	1	2	2	27
11	45683C	Drain Tube	1	-	1	1	27
	45682C	Drain Tube	-	1	1	1	27
12	100023340560	Waste Tube Gasket	1	1	2	2	27
13	161570808550	Slip Nut	1	1	2	2	27
14	61314C	Regulator	1	1	2	2	25
15	50986C	Regulator Holder	1	1	2	2	25
16	27006C	Basin - S.S.	1	1	2	2	23,26,26
	27342C	Basin - A.G.	1	1	2	2	27
		Basin - Galaxy Gray Marblyte (option)	1	1	2	2	-
		Basin - Golden Sand Marblyte (option)	1	1	2	2	-
		Basin - Black Onyx Marblyte (option)	1	1	2	2	-
17	27000C	Basin Liner - S.S.	1	1	2	2	27
	27344C	Basin Liner - A.G.	1	1	2	2	27
18	70861C	Screw - #10-24 X 2.00	4	4	8	8	27
19	55840C	Top Plate - Actuator	1	1	2	2	23
20	55839C	Bottom Plate - Actuator	1	1	2	2	23
21	27002C	Extended Reach Arm - S.S.	1	-	1	1	27
	27338C	Extended Reach Arm - A.G.	1	-	1	1	27
	27004C	Standard Reach Arm - S.S.	-	1	1	1	27
	27340C	Standard Reach Arm - A.G.	-	1	1	1	27
22	28328C	Regulator Mounting Bracket	1	1	2	2	24
23	15005C	Nut - Retaining	1	1	2	2	25

Parts List Continued

Item	Part No.	Description	OVL-II ER-Q	OVL-II SR-Q	OVL-II SER-Q	OVL-II ESR-Q	See Fig.
24	40045c	Hex Nut - Unplated	1	1	2	2	22
25	27008C	Reaction Bracket	1	1	2	2	24,25
26	70856C	Screw - #10-24 x .38 PHMS	1	1	2	2	24
27	70854C	Rod - Pivot	1	1	2	2	24
28	50198C	Bushing Snap	4	4	8	8	24
29	51667C	Bumper - Regulator Valve Assy	1	1	2	2	24
30	28327C	Arm - Regulator Activating	1	1	2	2	24
31	28326C	Arm - Regulator Adjustment	1	1	2	2	24
32	22797C	Upper Panel (OVL-II ER) - S.S.	1	-	-	-	13, 27
	27886C	Upper Panel (OVL-II ER) - A.G.	1	-	-	-	13, 27
	22799C	Upper Panel (OVL-II SR) - S.S.	-	1	-	-	13, 27
	27888C	Upper Panel (OVL-II SR) - A.G.	-	1	-	-	13, 27
	26958C	Upper Panel (OVL-II SER) - S.S.	-	-	1	-	13, 27
	27890C	Upper Panel (OVL-II SER) - A.G.	-	-	1	-	13, 27
	22795C	Upper Panel (OVL-II ESR) - S.S.	-	-	-	1	13, 27
	27892C	Upper Panel (OVL-II ESR) - A.G.	-	-	-	1	13, 27
	28944C	Upper Panel (OVL-II ER-GRN) S.S.	1	-	-	-	13, 27
	28945C	Upper Panel (OVL-II SER-GRN) S.S.	-	-	1	-	13, 27
	28946C	Upper Panel (OVL-II ESR-GRN) S.S.	-	-	-	1	13, 27
33	26833C	Lower Panel (OVL-II ER/SR) - S.S.	1	1	-	-	15, 27
	27894C	Lower Panel (OVL-II ER/SR) - A.G.	1	1	-	-	15, 27
	27026C	Lower Panel (OVL-II SER/ESR) - S.S.	-	-	1	1	15, 27
	27896C	Lower Panel (OVL-II SER/ESR) - A.G.	-	-	1	1	15, 237
34	55996C	Strainer (Supplied with Chiller)	1	1	1	1	17, 18
35	70683C	Union - 1/4”	1	1	1 If Filtered	1 If Filtered	17,19,20
36	70682C	Tee - 1/4”	-	-	1	1	18,20
37	56092C	Poly Tubing - 1/4” (Cut To Length)	1	1	1	1	17,18,19,20
N-S	56159C	Bubbler Nipple Assembly	1	1	2	2	-
39	15009C	Bubbler Nipple (Smart Flow™)	1	1	2	2	26
40	60291C	Screen (Smart Flow™ Bubbler)	1	1	2	2	26

NOTE: S.S. means Stainless Steel
A.G. means Aztec Gold
N-S means not shown

Figure 6 – OVL-II SER-Q Rough-In

1. **Cut a rectangular wall opening** 37-1/2” (953 mm) W x 37-3/4” H (959 mm) and 4-1/2” (114 mm) above the floor line (see Figure 7). The dimensions are required to obtain proper rim and bubbler heights for compliance with ANSI standard A117.1.

2. **Reinforce the wall opening** on all sides to adequately support the water fountain. This reinforcement must support up to 150 lbs. static load and provide a means for securing the frame assembly in place.

   NOTE: Building construction must allow for adequate air flow on both sides and top of remote chiller unit a minimum of 4” (102 mm) is required.

3. **Install plumbing and electrical rough-ins.** A junction box for a (3) wire, 10 amp branch circuit is provided on the inside of the chiller. (Standard 120 Volts, 60 Hz, and single phase.)

4. **Remove frames and related hardware** from packaging. Release the two shelf rods by cutting cable ties. Attach the two frames together through the upright supports with (4) 5/16” x 3/4” (19 mm) long bolts and nuts (provided). Tighten securely.

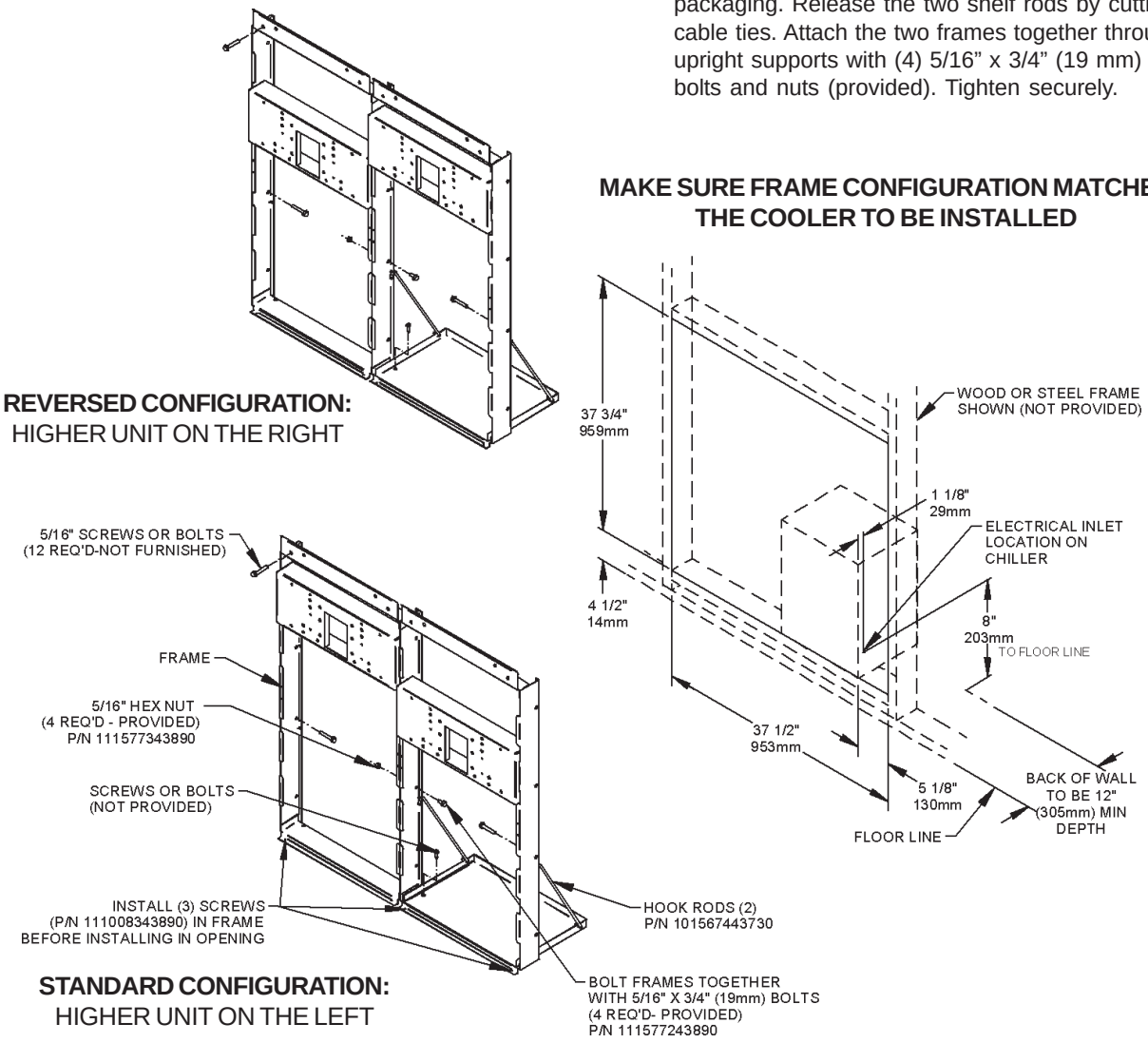


Figure 7 – Rough-In Assembly
Dual-Station Mounting Frames

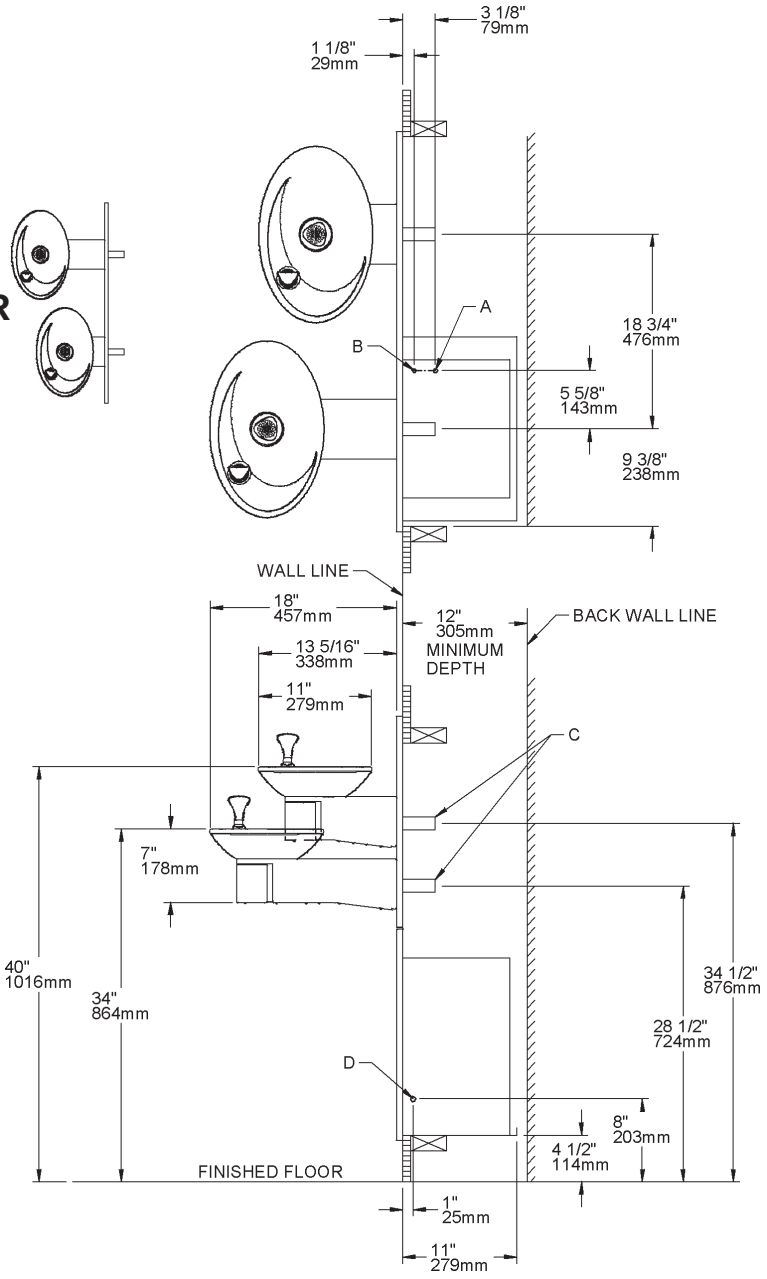
5. **Install the frame assembly squarely in wall** opening with frame upright support edges flush with the finished wall face. Secure the frame to the wall through holes with (12) 5/16” bolts or screws (not provided). Tighten securely.

   NOTE: Be sure that frame is squared in location. Do not use less than required screw quantity and size.

6. **Attach the chiller shelf support rods** to the right side of the frame uprights at the second set of holes counting from the bottom and to the shelf at the (2) side holes. Line up the other shelf holes with the frame bottom holes and fasten the assembly to the wall opening using appropriately sized screws or bolts and nuts (not provided).

MODEL OVL-SER SHOWN

MODEL OVL-ESR



Legend

Item	Description
A	1/4” O.D. Tube - Water Outlet Connection
B	3/8” O.D. Tube - Water Inlet Connection
C	1-1/4” O.D. Waste Tube
D	Electrical Inlet on Chiller

Figure 8 – OVL-II SER-Q/OVL-II ESR-Q Rough-In Dimensions

Figure 9 – OVL-II ER-Q/OVL-II SR-Q Rough-In

1. **Cut a rectangular wall opening** 18-3/4" (475 mm) W x 37-3/4" H (959 mm) and 4-1/2" (114 mm) above the floor line (see Figure 10). The dimensions are required to obtain proper rim and bubbler heights for compliance with ANSI standard A117.1.

2. **Reinforce the wall opening** on all sides to adequately support the water fountain. This reinforcement must support up to 150 lbs. static load and provide a means for securing the frame assembly in place.

   NOTE: Building construction must allow for adequate air flow on both sides and top of remote chiller unit. Minimum of 4" (102 mm) is required.

3. **Install plumbing and electrical rough-ins.** A junction box for a (3) wire, 10 amp branch circuit is provided on the inside of the chiller. (Standard 120 Volts, 60 Hz, and single phase.)

4. **Remove frame and related hardware** from packaging. Release the two shelf rods by cutting cable ties.

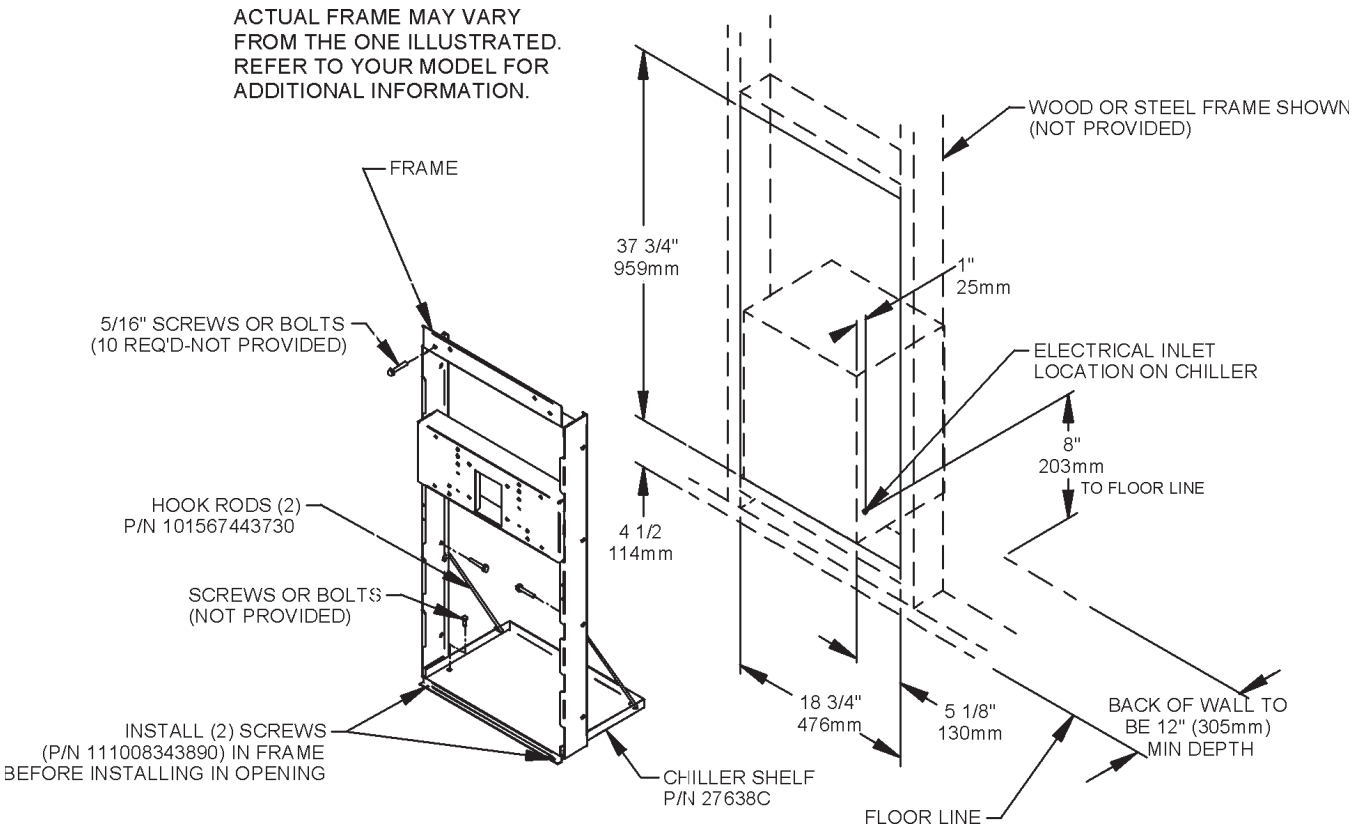
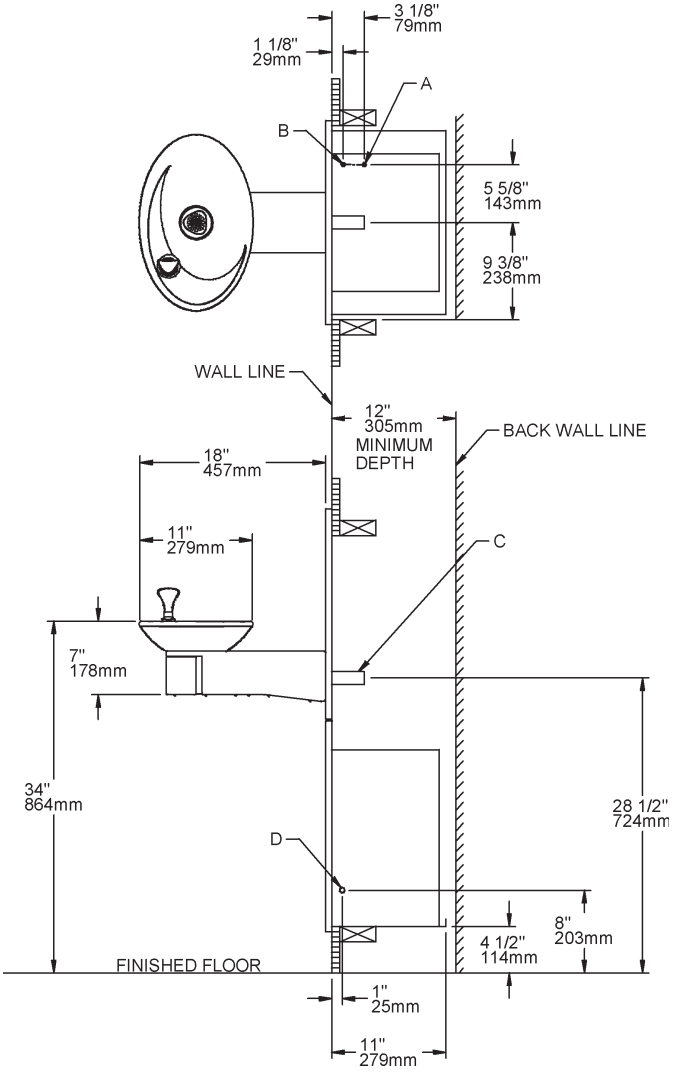


Figure 10 – Rough-In Assembly
Single-Station Mounting Frames

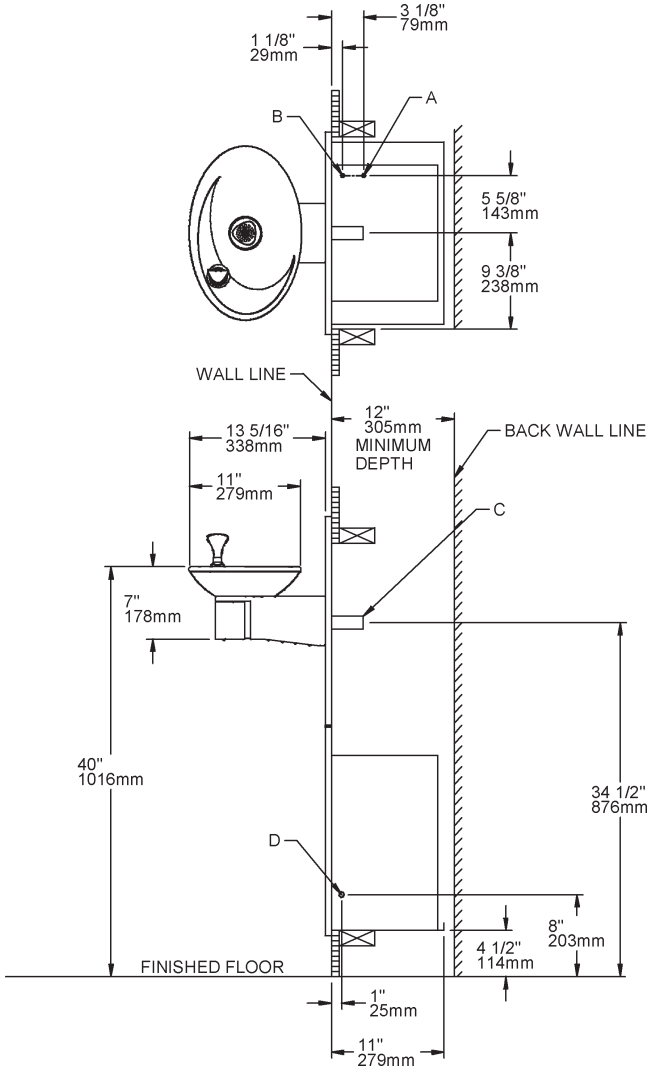
5. **Install the frame squarely in wall** opening with frame upright edges flush with the finished wall surface. Place shelf inside frame and line up the (2) holes on each. Insert loose ends of rods into holes on sides of shelf panel. Using appropriately sized screws or bolts (not provided), fasten the shelf and frame to the bottom of wall opening. Secure the frame sides and top to the wall opening using (10) 5/16” bolts or screws (not provided).

NOTE: Be sure that frame is squared in location. Do not use less than the required screw quantity and size.

MODEL OVL-ER



MODEL OVL-SR



Legend

Item	Description
A	1/4” O.D. Tube - Water Outlet Connection
B	3/8” O.D. Tube - Water Inlet Connection
C	1-1/4” O.D. Waste Tube
D	Electrical Inlet on Chiller

Figure 11 – OVL-II ER-Q/SR-Q Rough-In Dimensions

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	

OVL-II ER-Q/SR-Q/SER-Q/ESR-Q INSTALLATION

1. **Assemble and** place frame in wall as shown on preceding pages.
2. **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 within the guides on the shelf.

   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.

Figure 12 – Chiller Installation

3. **Make water supply connections.** Inlet port is marked on the chiller (1/4" O.D. copper tube). Bend the copper tube (provided) at an appropriate length from the chiller to opening in frame. Install the in-line strainer (provided with chiller) by pushing it in until it reaches a positive stop, approximately 3/4" (19mm) on the marked chiller inlet port. Attach an unplated and deburred copper water inlet line and a service stop (not provided) to the chiller. Turn on the water supply and flush the line thoroughly.
4. **Hang the upper panel on the mounting frame hanger.** Align holes in the panel with the holes in the mounting frame. Be sure that panel is engaged with hanger at top of frame before releasing it.
5. **Install fountain.** Remove access cover plate on underside of fountains and SAVE the screws. Mount the fountains to the upper panel and frame with (4) 5/16" x 3/4" (19mm) long bolts and nuts provided. Tighten securely.

Figure 13 – Upper Panel Installation

Note: With OVL-II SER-Q or OVL-II ESR-Q models, the standard reach fountain must be mounted at the upper position on panel.

Figure 14 – Fountain Installation

6. **Connect the fountain drain waste tube to the building sanitary sewer system.** Connection should be made in compliance with local plumbing code requirements. (Note: Plumbing trap is not included with the fountain).
7. **Make connection between remote chiller outlet tube and fountain(s).** Outlet port is marked on the chiller (1/4" O.D. copper tube). Install a 1/4" union/tee (provided) on the marked chiller outlet port. Insert the 1/4" poly tubing coming from the fountain(s) into the union/tee. Turn on water supply and check for leaks.

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

8. **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.

9. **Make electrical connections to the chiller.** See chiller instructions.
10. **Check stream height from bubbler.** Stream height is factory set at 35-40 PSI. If supply pressure varies greatly from this, remove items 2, 19, and 20 (push arm and the bottom and the top actuator plates – Figure 20) by removing the screws holding assembly together and adjust the screw on the regulator (Item 14 – Figs. 21& 22). Clockwise adjustment will raise stream height and counterclockwise movement will lower stream height. For best adjustment, stream height should be approximately 1-1/2” (38mm) above the bubbler guard. (See Figure 16).
11. **Mount lower panel.** Loosen the two (2) #10-24 x 5/8” (16mm) screws at frame bottom lip. Slide upper tongue of lower panel under lower edge of already installed upper panel. Tighten previously loosened screws securely.
12. **Replace bottom access panel** to fountain basin using screws provided. Tighten securely.

Figure 15 – Lower Panel Installation

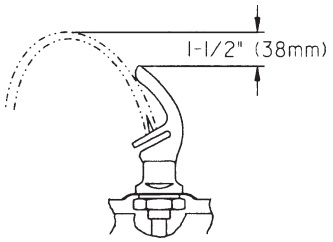


Figure 16 – Stream Height

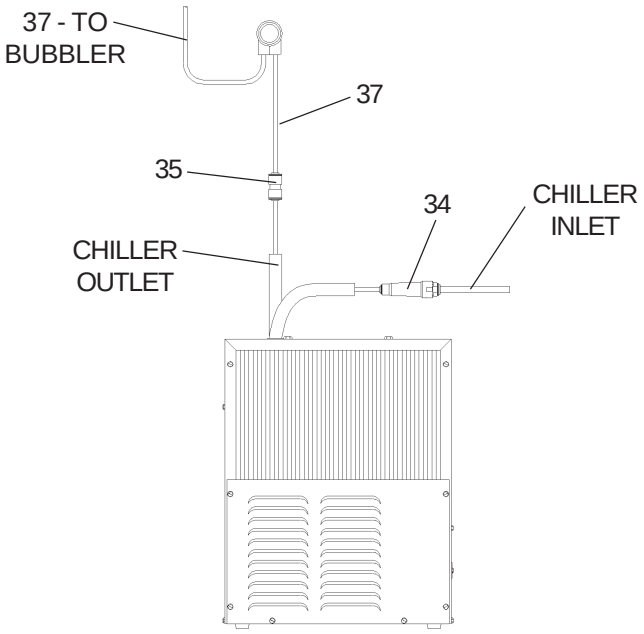


Figure 17 – OVL-II ER-Q/SR-Q Tube Routing

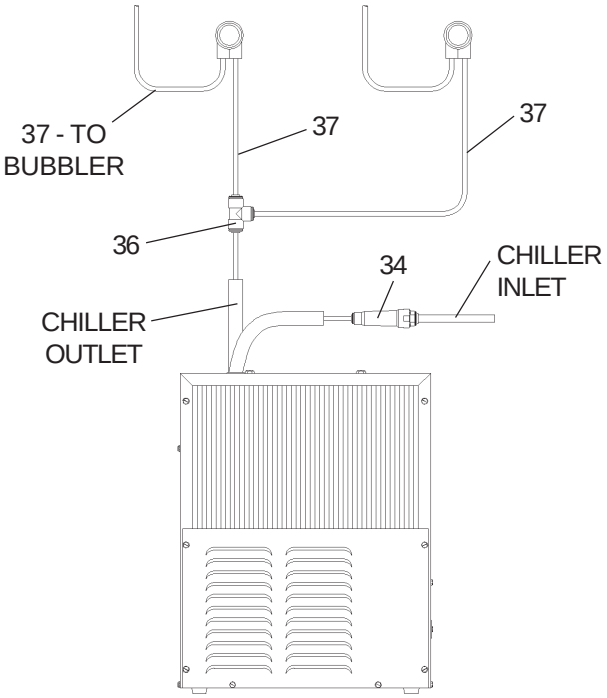
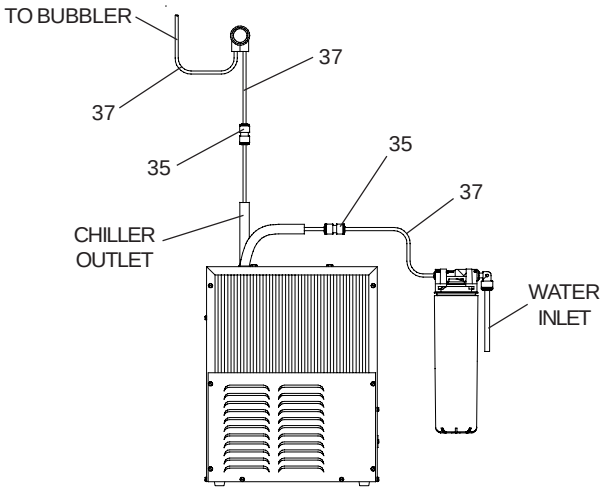
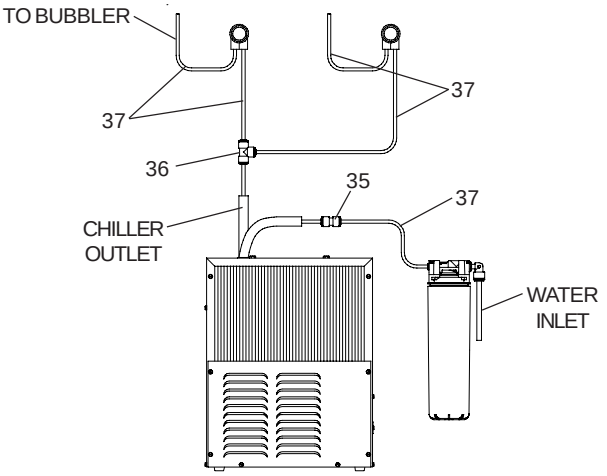


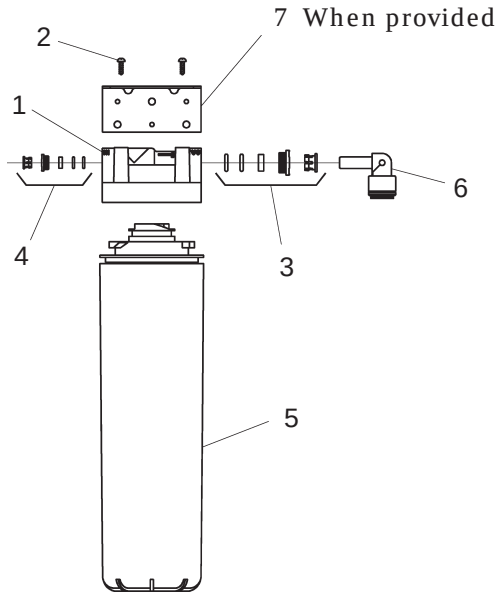
Figure 18 – OVL-II SER-Q/ESR-Q Tube Routing



OVLERQGRN
Tube Routing
Figure 19



OVLSERQGRN / OVLESRQGRN
Tube Routing
Figure 20



Water Filter Detail
Figure 21

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. **OVLERQGRN:** 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 19)

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

4. **OVLSERQGRN & OVLESRQGRN:** Mount filter head assembly to side of chiller (See Figure 20). Make connections between filter and building supply line (3/8" O.D. tube not provided). 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 20)

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

WATERSENTRY® FILTER PARTS LIST (See Fig. 21)		
ITEM NO.	PART NO.	DESCRIPTION
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	55897C	Filter Assy
6	70818C	Elbow - 3/8" (10mm)
7	22490C	Bracket

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 10 of the installation instructions. If replacement is necessary, see parts list for correct regulator part number.

CAUTION: **To preserve the quality and keep this AZTEC GOLD finish clean and spot free, clean this surface with only mild detergent or window cleaner and polish with a soft cloth. DO NOT use any abrasive cleaners or harsh chemicals. They WILL damage the finish!**

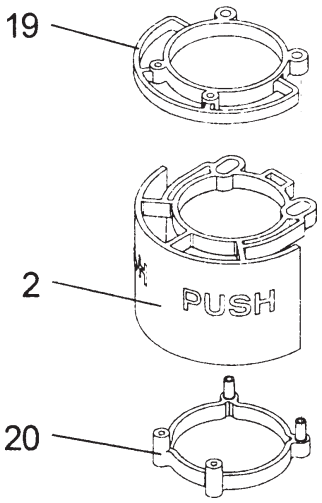


Figure 23 – Push Arm Mechanism

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 22) To insert tubing, push tube straight into fitting until it reaches a positive stop (approximately 3/4").

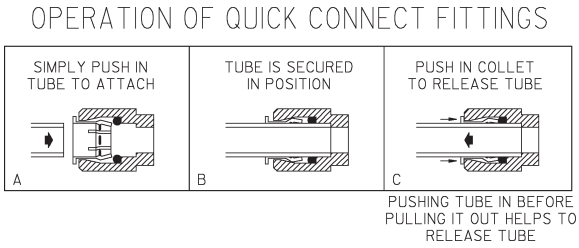


Figure 22 – Quick Connect Fittings

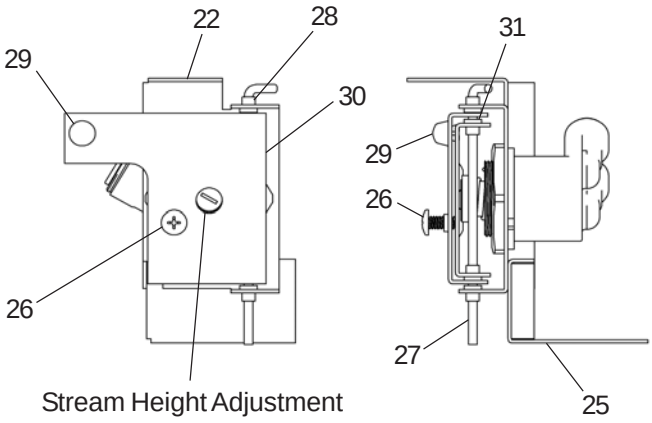


Figure 24 – Regulator Mounting Mechanism

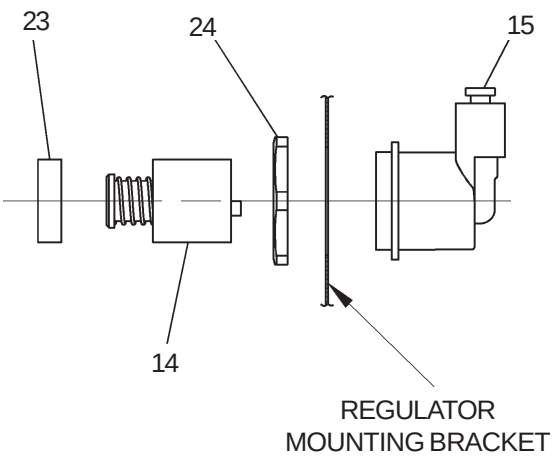


Figure 25 – Regulator Assembly

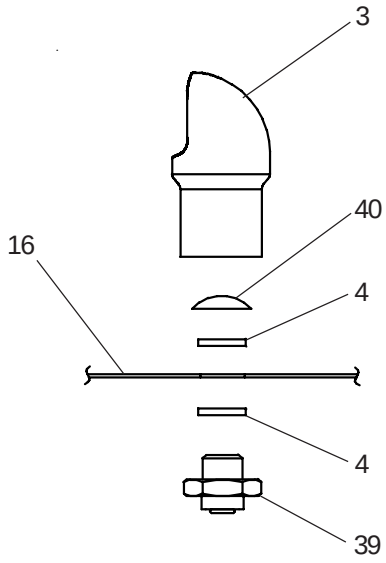


Fig. 26- Smart Flow™ Bubbler Detail

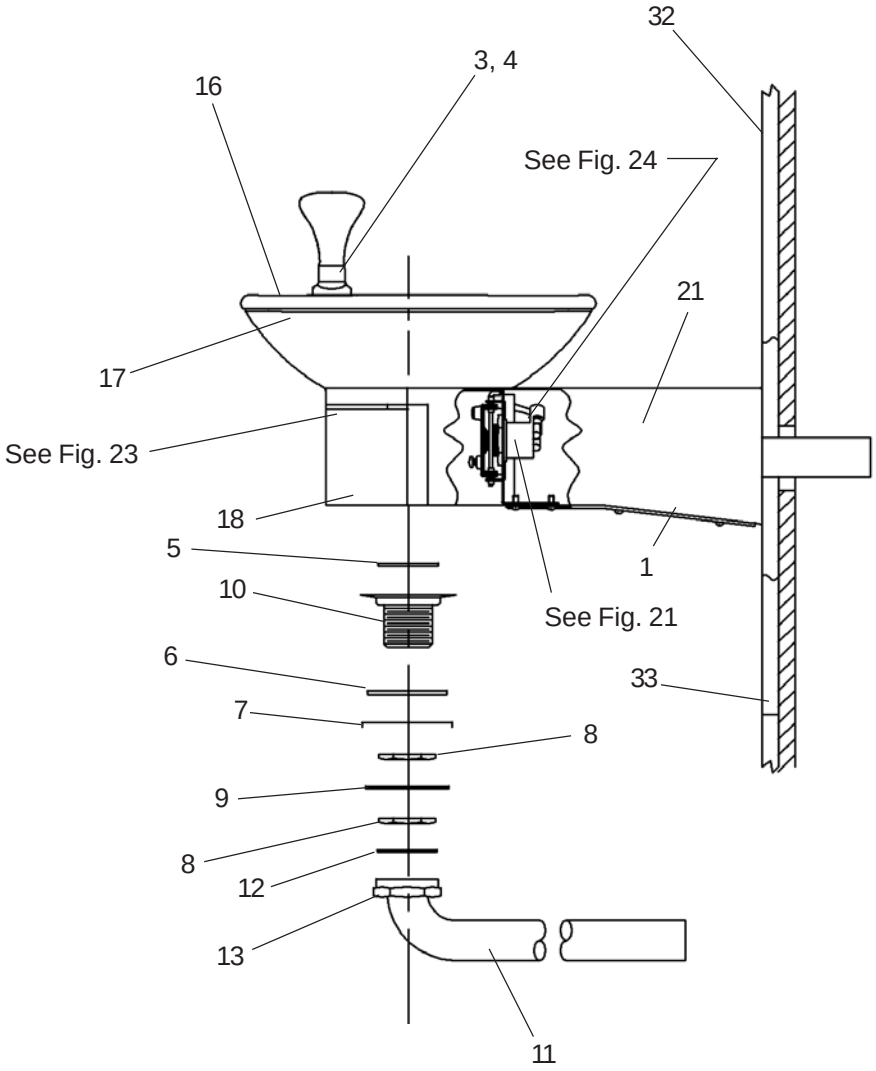


Figure 27 – Fountain Assembly - Side View

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