

**A132.8-VR-BF3 and A132.8-VR-BF4 Series**  
**Barrier Free, Bi-Level, Vandal Resistant, Bi-Level, Wall Mounted Chilled Drinking Fountain**  
**with Semi-Recessed Sensor Operated and Pushbutton**  
**Operated Bottle Filler and 32" Trim Panel**



**A132408F-VR-BF3**



**A132408F-VR-BF4**

**TECHNICAL ASSISTANCE TOLL FREE TELEPHONE NUMBER:**  
**1.800.743.8259**

Technical Assistance E-Mail: [Fieldservice@acorneng.com](mailto:Fieldservice@acorneng.com)

**NOTES TO INSTALLER:**

1. Please leave this documentation with the owner of the fixture when finished.
2. Please read this entire booklet before beginning the installation.
3. Check your installation for compliance with plumbing, electrical and other applicable codes.

For current Warranty click hyperlink [Product Warranty](#) or visit: [www.murdockmfg.com/terms-and-warranty](http://www.murdockmfg.com/terms-and-warranty)

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COMPLIES WITH  
**STANDARDS**



**murdock**<sup>®</sup>  
SINCE 1853

Member of  
**MORRIS GROUP**  
INTERNATIONAL

15125 Proctor Ave.  
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Phone 800-453-7465  
626-333-2543

[www.murdockmfg.com](http://www.murdockmfg.com)

**IMPORTANT**

This fixture is intended to dispense water that has been lowered in temperature, but otherwise remains unchanged by the materials in the water cooler. It is common for electrical equipment to be grounded to water lines either within a structure or away from it. Every attempt should be made to prevent this kind of grounding from generating electrical feedback into the water cooler creating electrolysis. Electrolysis will cause a metallic taste or cause water metal content to increase.

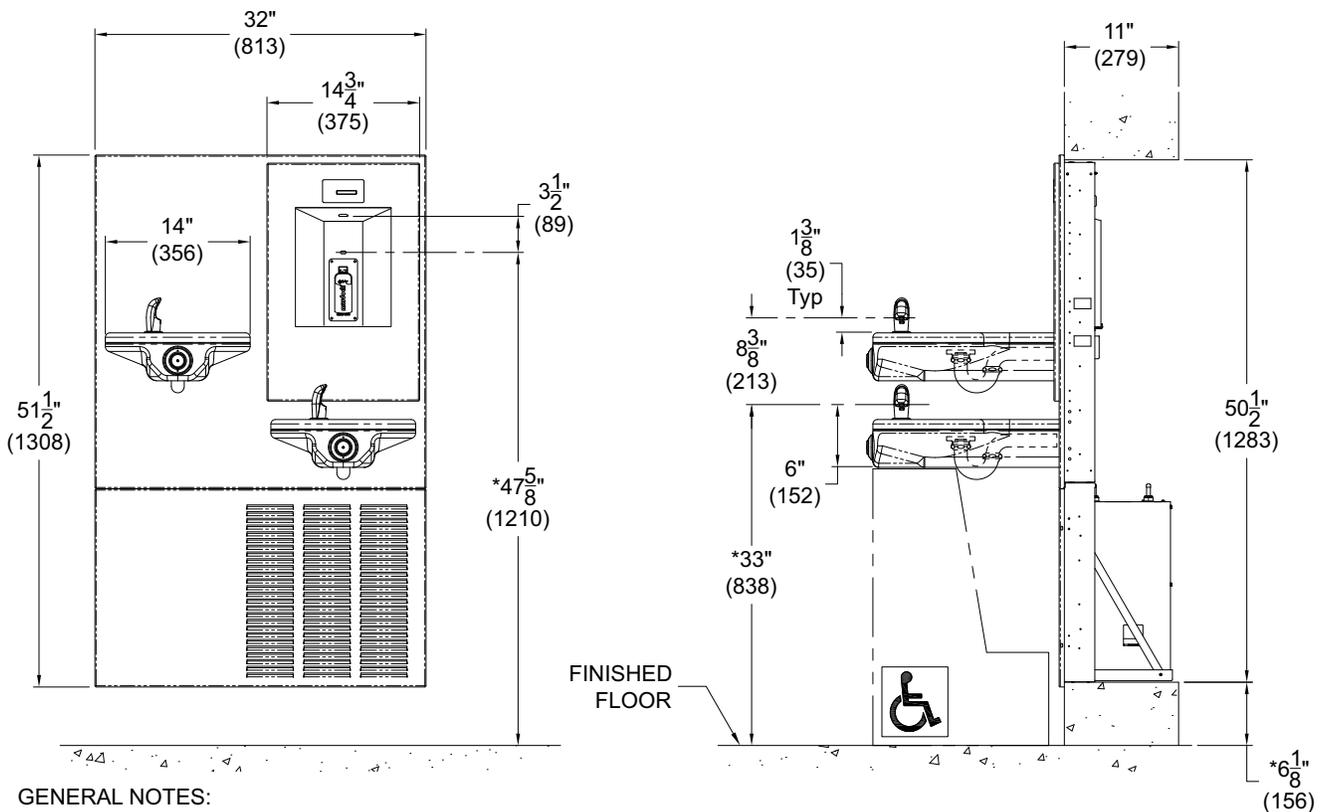
**NOTICE**

A dielectric coupling must be used to connect the water cooler to the water supply. A nonmetallic coupler is furnished with this water cooler to meet this requirement.

**ROUGHING-IN AND DIMENSIONAL DRAWING**

Prior to roughing consult with local, state, and federal codes for proper mounting height.

**A152408S-VR-BF3 Refrigerated Bi-Level Wall Mounted Drinking Fountain with Sensor Operated Bottle Filler, Shown**



**GENERAL NOTES:**

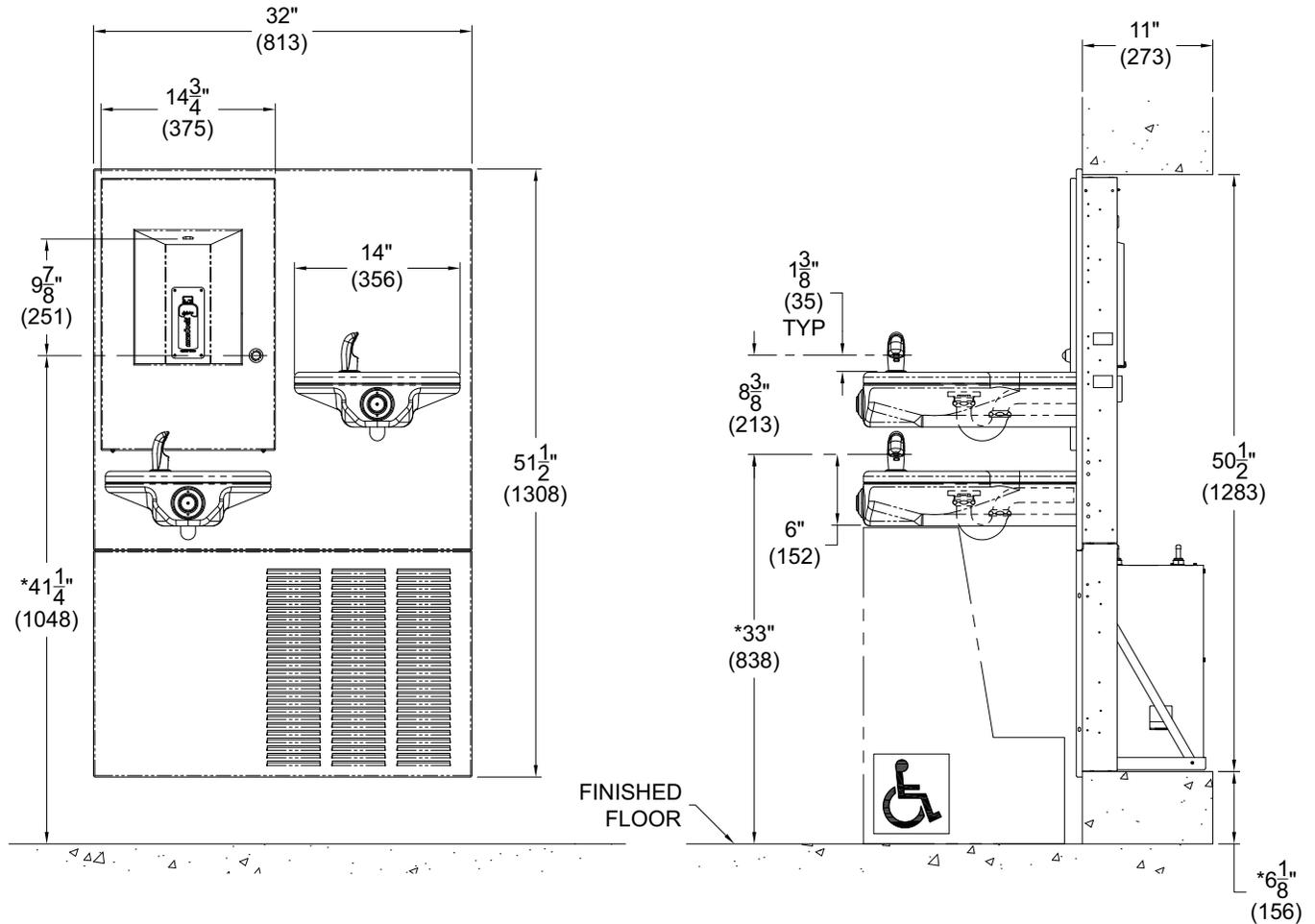
1. ALL DIMENSIONS ARE IN INCHES (MM).
- \*2. DIMENSIONS SHOWN ARE FOR RECOMMENDED ADULT HEIGHT. ADJUST VERTICAL DIMENSIONS AS NECESSARY TO COMPLY WITH FEDERAL, STATE, & LOCAL CODES
3. WATER LINE FROM CHILLER TO FOUNTAIN SHOULD BE COVERED WITH SPONGE FOAM RUBBER OR ICE WATER TYPE INSULATION OF ADEQUATE THICKNESS

**NOTES:** Dimensions shown for Adult ADA compliant installation. For Child ADA compliant parallel approach installation, decrease height of installation by 3 inches. Provide clear floor space as required. Adjust vertical dimensions as required to comply with federal, state, and local codes.

**DIMENSIONAL DRAWING**

Prior to roughing in, consult with local, state, and federal codes for proper mounting height.

**A132408S-VR-BF3-RBL Refrigerated Reverse Bi-Level Wall Mounted Drinking Fountain with Bottle Filler**

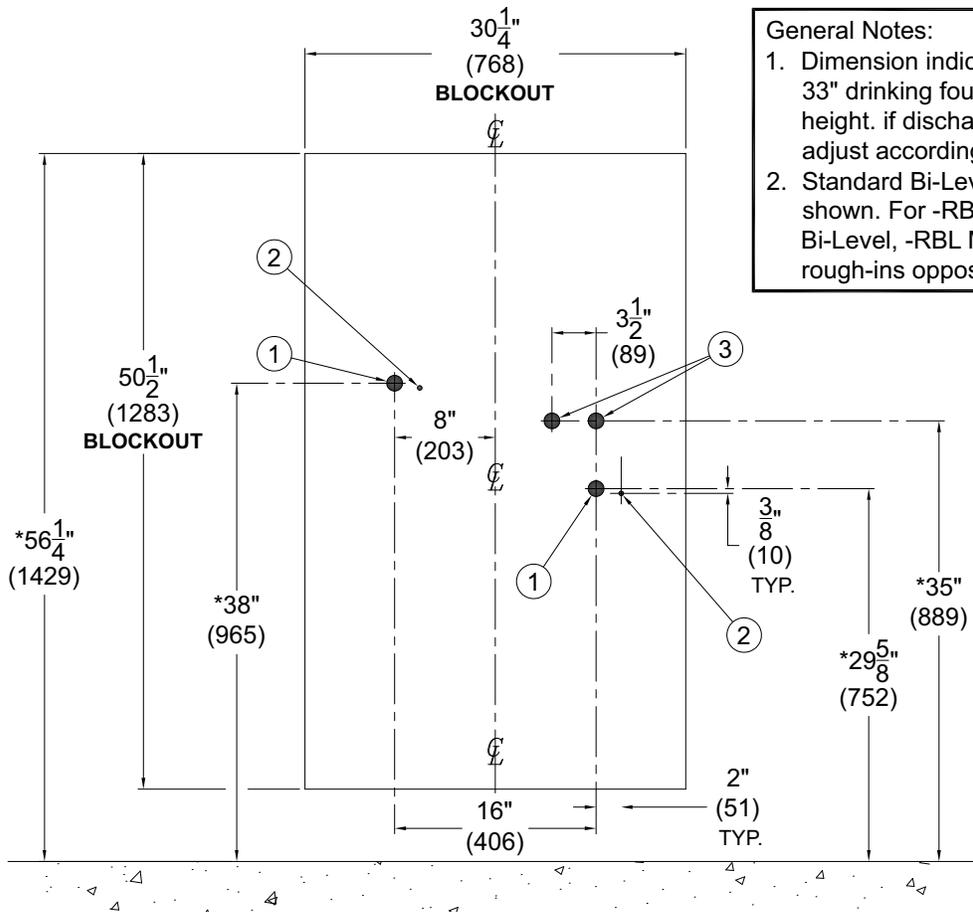
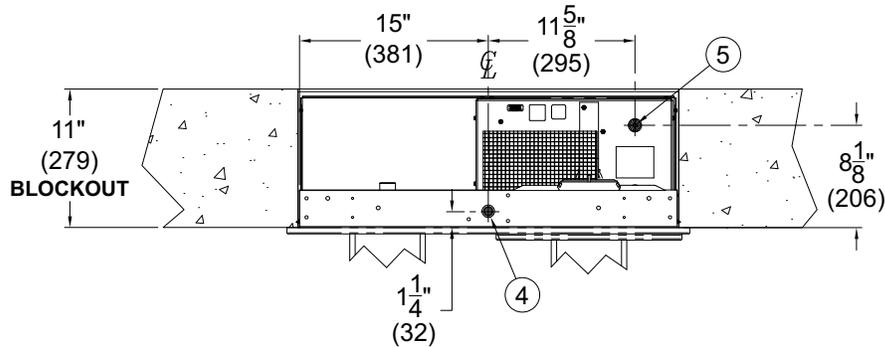


**GENERAL NOTES:**

1. ALL DIMENSIONS ARE IN INCHES (MM).
- \*2. DIMENSIONS SHOWN ARE FOR RECOMMENDED ADULT HEIGHT. ADJUST VERTICAL DIMENSIONS AS NECESSARY TO COMPLY WITH FEDERAL, STATE, & LOCAL CODES
3. WATER LINE FROM CHILLER TO FOUNTAIN SHOULD BE COVERED WITH SPONGE FOAM RUBBER OR ICE WATER TYPE INSULATION OF ADEQUATE THICKNESS

**NOTES:** Dimensions shown for Adult ADA compliant installation. For Child ADA compliant parallel approach installation, decrease height of installation by 3 inches. Provide clear floor space as required. Adjust vertical dimensions as required to comply with federal, state, and local codes.

**A132408S-VR-BF Refrigerated Wall Mounted Drinking Fountain Inlet & Outlet Rough-Ins**



**General Notes:**

1. Dimension indicated with (\*) is for 33" drinking fountain discharge height. if discharge height differs, adjust accordingly.
2. Standard Bi-Level rough-ins shown. For -RBL Reverse Bi-Level, -RBL Mounting Frame rough-ins opposite.

- ① 1-1/4" O.D. Drinking Fountain Waste Outlet
- ② 3/8" NCT Drinking Fountain Supply Inlet
- ③ Alternate 1-1/4" O.D. Bottle Filler Waste Outlet
- ④ Electrical Service Rough (Bottle Filler -BF4 Only)
- ⑤ 3/8" NCT Chiller Supply Inlet

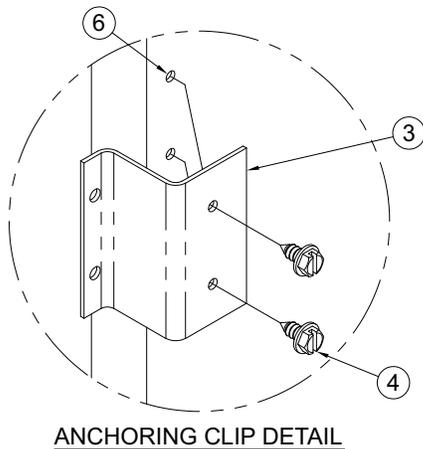
**NOTES:** Dimensions shown for Adult ADA compliant installation. For Child ADA compliant parallel approach installation, decrease height of installation by 3 inches. Provide clear floor space as required. Adjust vertical dimensions as required to comply with federal, state, and local codes.

**DIMENSIONAL DRAWING**

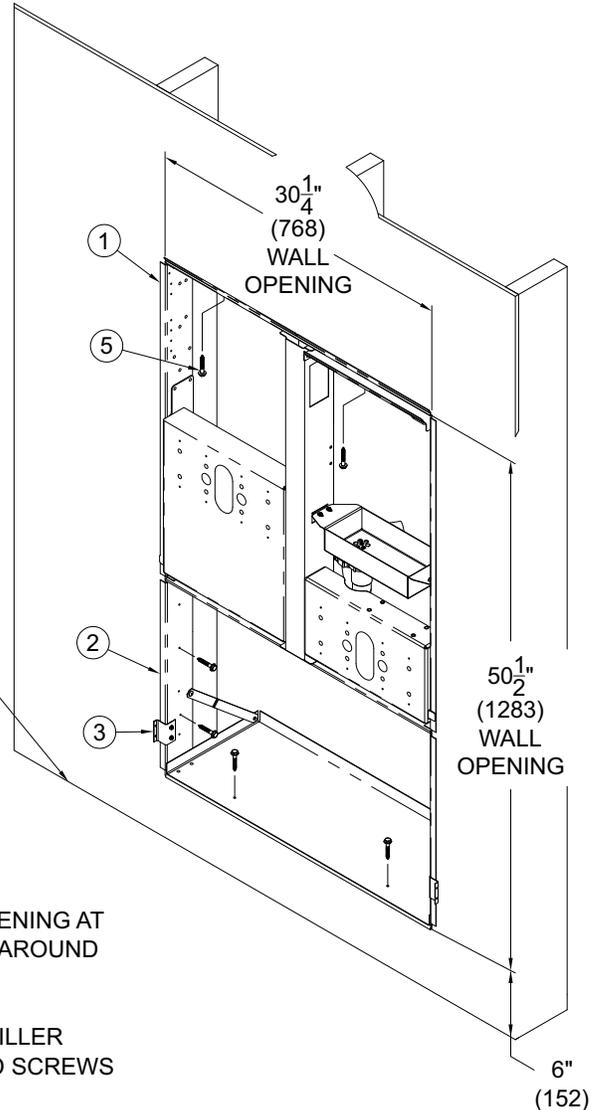
Prior to roughing in, consult with local, state, and federal codes for proper mounting height.

**Notes:**

- 1-Standard Bi-Level rough-ins shown. For -RBL Reverse Bi-Level, -RBL Mounting Frame rough-ins opposite
- 2-Chiller installation is always on the right-hand side of the shelf



FINISHED FLOOR



**INSTALLATION INSTRUCTIONS :**

- A-PROVIDE 30-1/4" (768) WIDE x 50-1/2" (1283) TALL WALL OPENING AT APPROPRIATE HEIGHT. PROVIDE STRUCTURAL SUPPORT AROUND INSIDE OF THE OPENING FOR FRAME ANCHORING.**
- B-CAREFULLY REMOVE BI-LEVEL MOUNTING FRAME (1), CHILLER MOUNTING FRAME (2), PANEL, ANCHORING CLIPS (3), AND SCREWS (4) FROM PACKAGING, PREVENTING DAMAGE.**
- C-CENTER BOTH FRAMES WITHIN WALL OPENING WITH SIDE, TOP AND BOTTOM LIPS OVERLAPPING OUTSIDE THE OPENING AND UP AGAINST FINISHED WALL FACE. SET CHILLER SHELVE IN PLACE, ALIGNING ANCHORING HOLES WITH HOLES IN FRAME BOTTOM. SECURE TO WALL THROUGH THE SIDES, TOP AND BOTTOM USING HARDWARE (5) BY OTHERS, ENSURING 16" (406) CENTERLINE DIMENSIONS LEFT-TO-RIGHT.**
- D-INSTALL TWO ANCHORING CLIPS (3) AT BOTTOM ON OUTER SIDES OF CHILLER MOUNTING FRAME (2) ALIGN HOLES IN CLIPS WITH HOLES (6) IN FRAME AND USE SHEET METAL SCREWS (4) PROVIDED. SEE ANCHORING CLIP DETAIL.**

**IMPORTANT:**

1. Water Supply Service Stop Valve, Water Connections and Electrical Connections to be supplied by installer in accordance with local codes.
2. Provide 4" minimum clear space in front of bottom trim panel and above in-wall chiller to allow for proper ventilation.
3. Waste is 1-1/4" Outer Diameter. Chiller water inlet is 3/8" Outer Diameter copper tube. Chiller water outlet is 3/8" Outer Diameter copper tube. Drinking Fountain water inlet is 3/8" Outer Diameter copper tube. Bottle Filler water inlet is 3/8" Outer Diameter copper tube. Water line by installer from in-wall chiller to drinking fountain must have adequate insulation.
4. **Completely flush** supply lines of all foreign debris before connecting to fixture. Water cooler designed to not cause problems with taste, odor, color, or sediment. Optional Water Filters are available should any of these problems arise from the water supply.
5. **DO NOT** solder tubes inserted into the chiller, bottle filler or the fountain strainer as damage to the o-rings on the push-in fittings may result.
6. **All burrs must** be removed from outside of cut tubes before inserting into strainer or other components.
7. Power supply must be identical in voltage, cycle and phase to that specified on the chiller data plate. Refer to submittal.
8. This unit must be grounded per the requirements of applicable electrical codes.
9. WARNING: Warranty is voided if installation is not made following current Murdock Mfg. installation instructions and if components are assembled to the fixture that are not approved by Murdock Mfg.
10. Fixture is to operate within a water pressure range of 20 PSIG (138 kPa) to 105 PSIG (724 kPa). Warranty is void if the unit is allowed to operate outside the range of 20 PSIG (138 kPa) to 105 PSIG (724 kPa). **Consult with UPC and local codes for maximum allowable water pressures.**
11. Due to cold waste water, Murdock Mfg. recommends that waste piping supplied by installer be insulated appropriately to prevent excessive condensation.
12. **09.10 Water Hammer.** *Building water supply systems where quick-acting valves are installed shall be provided with water hammer arrester(s) to absorb high pressures resulting from the quick closing of these valves. Water hammer arresters shall be approved mechanical devices that comply with ASSE 1010 or PDI-WH 201 and shall be installed as close as possible to quick-acting valves.*
13. **609.10.1 Mechanical Devices.** *Where listed mechanical devices are used, the manufacturer's specifications as to location and method of installation shall be followed.*

**PRIOR TO INSTALLATION:**

1. Read all installation instructions carefully, before proceeding.
2. Carefully remove all fixture components from packaging, preventing scratching or damage. Inspect fixture and all parts from damages and all parts that are bolted on.
3. Provide mounting surface, adequate to support the fixture and loads on the fixture.
4. Provide rough-ins as shown on the roughing-in and dimensional drawing, including water supply, drain pipe and gravel drain well. (See rough-in details)
5. It is common for electrical equipment to be grounded to water lines either within a structure or away; otherwise, remains unchanged by the materials in the water cooler. Every attempt should be made to prevent this kind of grounding from generating feedback into the water cooler creating electrolysis. Electrolysis will cause a metallic taste or cause water content to increase.
6. Electrical Receptacle(s) must be wired to a GFCI protected circuit. Fixture must be earth grounded per **NEC** (National Electrical Code).
7. **Completely flush** water supply lines of all foreign debris, before connecting to the fixture.

**DRINKING FOUNTAIN INSTALLATION:**

1. Insert mounting frame into the rough-in block out and secure using 1/4" mounting hardware (Provided by Installer).
2. Place the Chiller Unit onto the base pan of the frame assembly.
3. Hang upper trim panel on mounting frame. **NOTE:** The included 1" brackets do not get used with this installation and the plastic spacers are typically not required and can be discarded.
4. Install the four threaded studs into the Wall Mounting Frame.
5. Remove the drinking fountain top by taking out the drain screw and lifting at the front while pulling forward. Disconnect bubbler tube. Set top aside in a safe place where it will not be damaged. Place the screw in a secure location where it will not be lost.
6. Slide Fixture over studs and secure with nuts and washers.
7. Assemble P-trap to drain adapter and then assemble to unit with Phillips head screws.
8. Make-up 1-1/4" outer diameter waste connection.
9. After thoroughly flushing the 3/8" outer diameter supply line, connect water supply to in-wall chiller and provide connection from chiller to the multi-line "Y" strainer assembly. From multi-line "Y" strainer assembly, connect to drinking fountain bubbler.
10. Place drain gasket on drain adapter. Reconnect bubbler tube. Reassemble top to unit by engaging back clip and securing with screw.

**BOTTLE FILLER INSTALLATION:**

1. With drinking fountain installed, connect water supply line from multi-line "Y" strainer assembly to bottle filler.
2. Loosen slip nuts to orientate P-trap to desired direction then tighten slip nuts and make up 1-1/4" O.D. waste connection.
3. **FOR -BF4 ONLY** Make up power connections to the ground, neutral & hot within the electrical box.

**NOTE: BEFORE PERFORMING STEP 4, REFER TO ELECTRICAL INSTALLATION.**

4. **Test for leaks** and proper operation, and then install the bottle filler panel using the water filler bracket and secure the bottle filler by tightening the screws under the bottle filler.

**DRINKING FOUNTAIN START UP:**

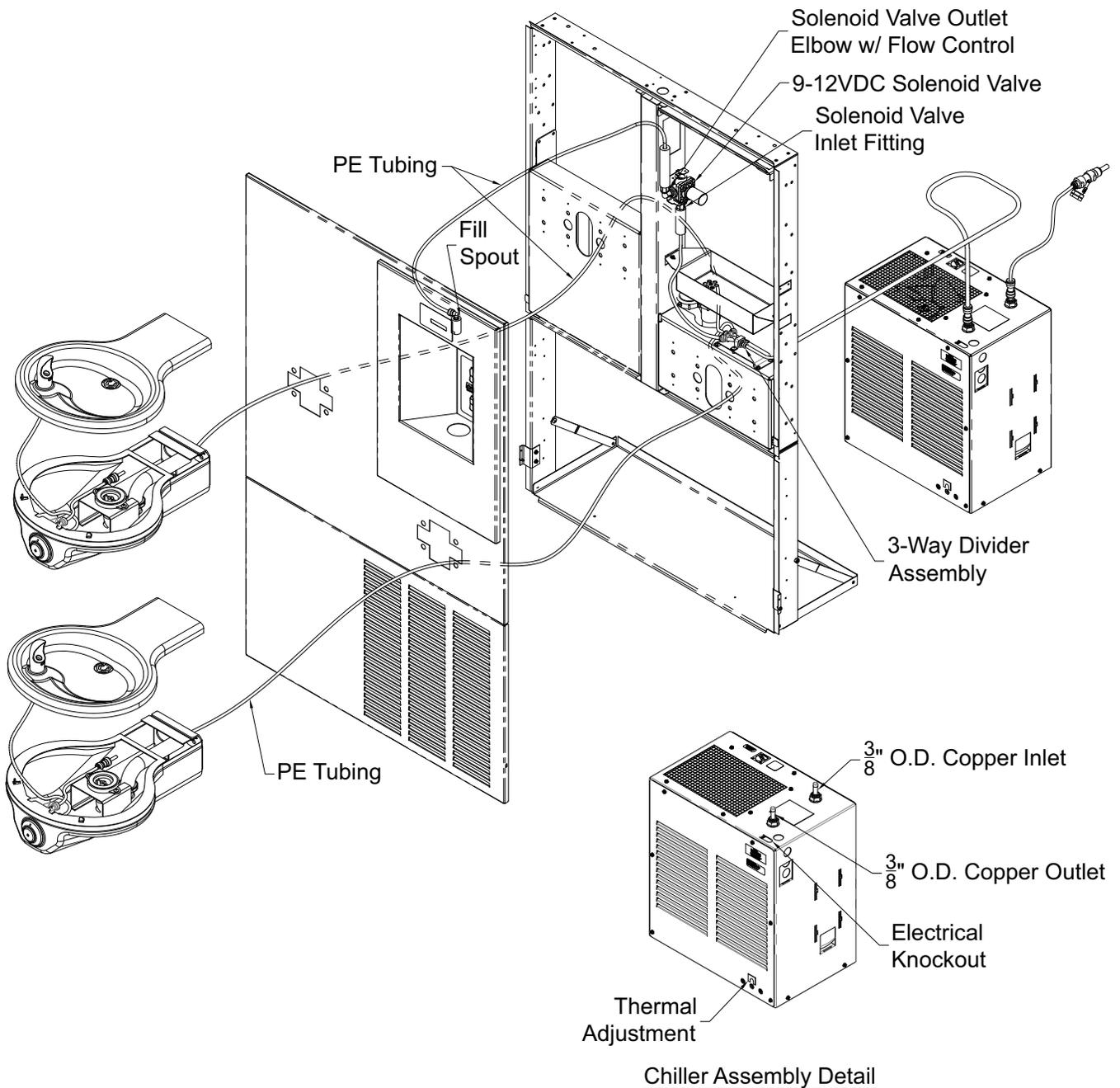
1. Before connecting power supply, but after thoroughly flushing the supply line and connecting it to the cooler, turn on building water supply and check all connections for leaks.
2. Air within the drinking fountain system or the structure supply piping will cause an irregular bubbler outlet stream until purged out by incoming water. Covering the bubbler with a clean cup (or similar object) is recommended when first activating drinking fountain to prevent excessive splashing.
3. Depress front pushbutton until steady water stream is achieved.
4. If water flow requires adjustment, insert a slotted narrow blade screwdriver in the hole centered on the underside of the fixture in the knee clearance area up to the flow regulator. Turning clockwise will increase flow and turning counterclockwise will decrease flow.
5. Recheck all water connections with water flowing through system.
6. With power still **NOT** connected, carefully manually rotate cooling fan to ensure proper clearance and free fan action
7. Provide power to water chiller and make sure unit begins to function.
8. Assemble louvered bottom trim panel with screws provided to brackets on either side of wall mounting frame.

**BOTTLE FILLER START UP:**

1. Air within the bottle filler system or the structure supply piping will cause an irregular spout outlet stream until purged out by incoming water. Press and hold pushbutton until steady water stream is achieved.
- **SENSOR OPERATED:** Hold container to be filled just below the sensor in the center of the filler spout and then move the container upward and water flow will start automatically. When the container is almost filled, lower the container below the sensor until the water stops flowing.
  - **PUSHBUTTON OPERATED:** Hold container to be filled just below the center of the filler spout then press the pushbutton. When the container is almost filled release the pushbutton and lower the container below the until the water stops flowing.

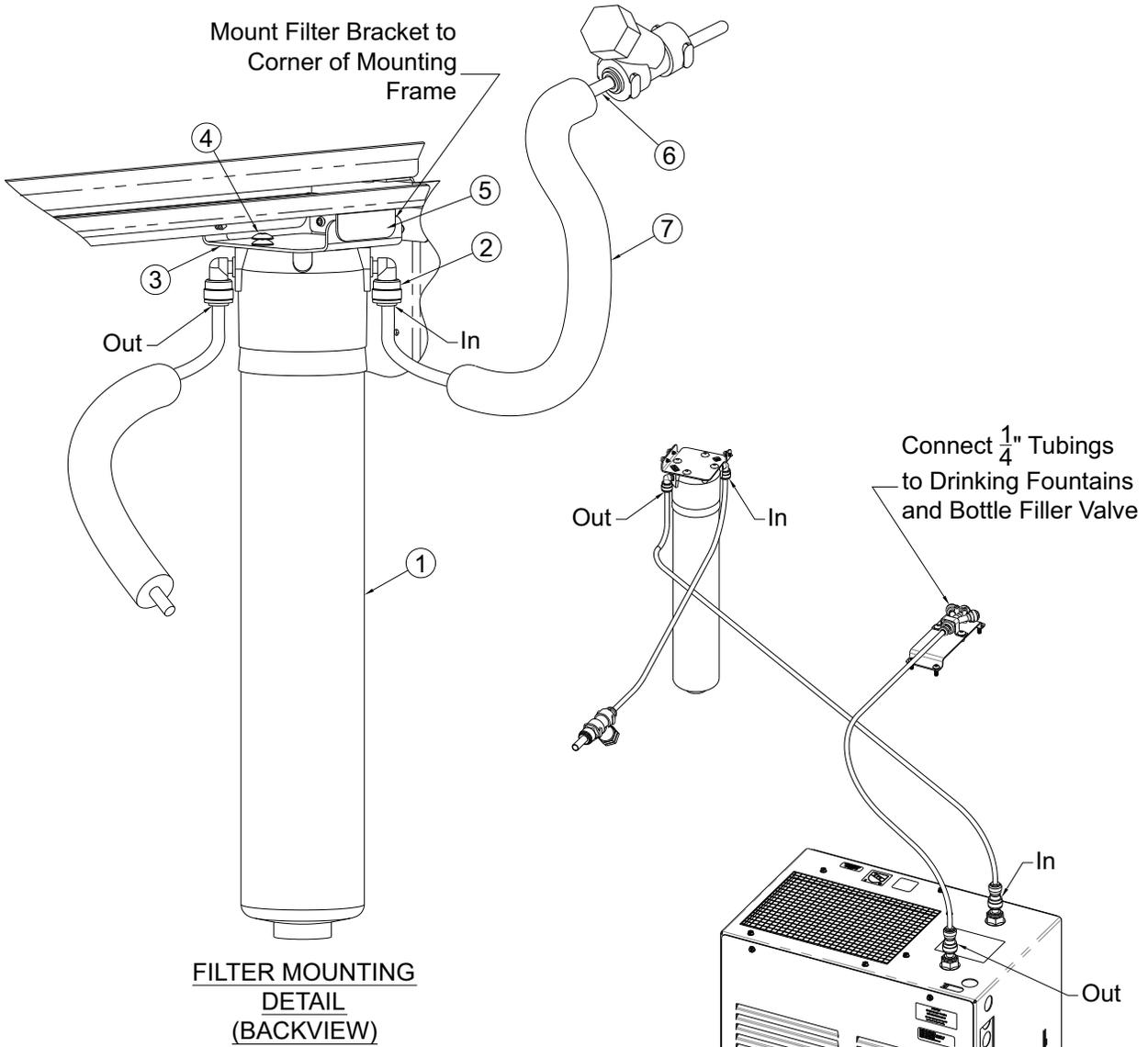
**WATER TUBING CONNECTIONS:**

**NOTE:** Insulation on all water tubes not shown (all PE water tubes are insulated).



**OPTIONAL -Wf3000 WATER FILTER**

Page for models with optional Water Filter



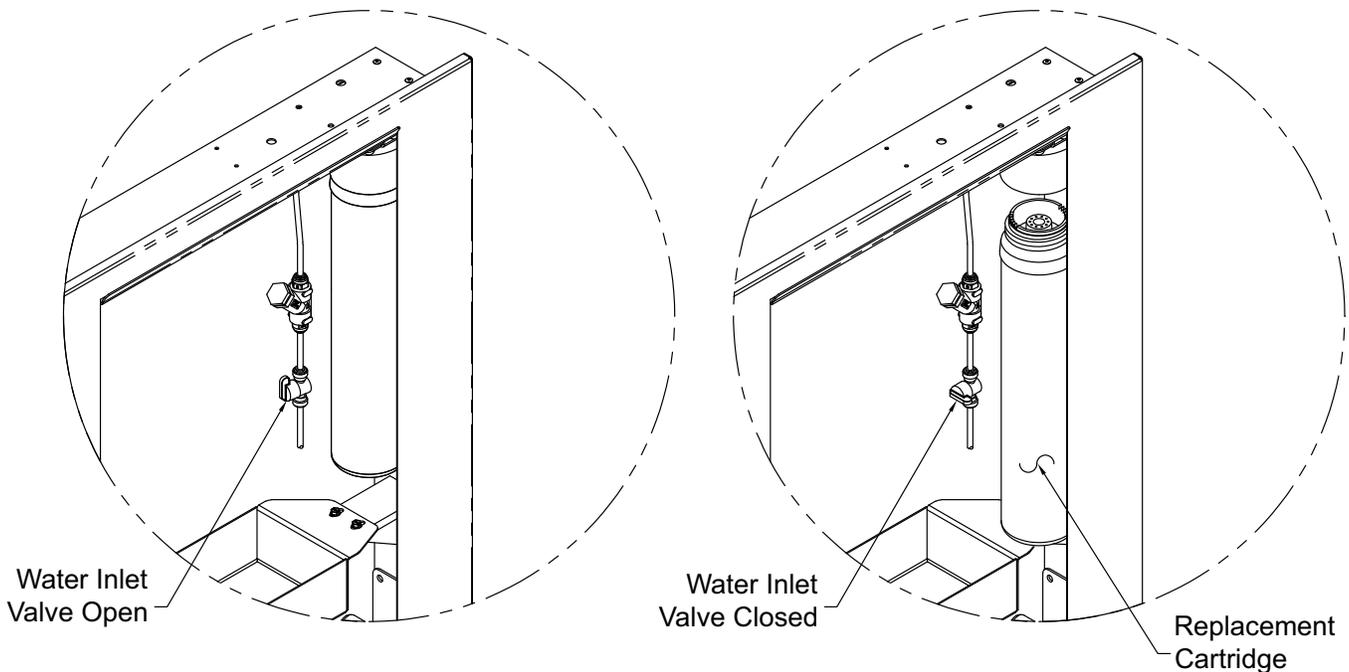
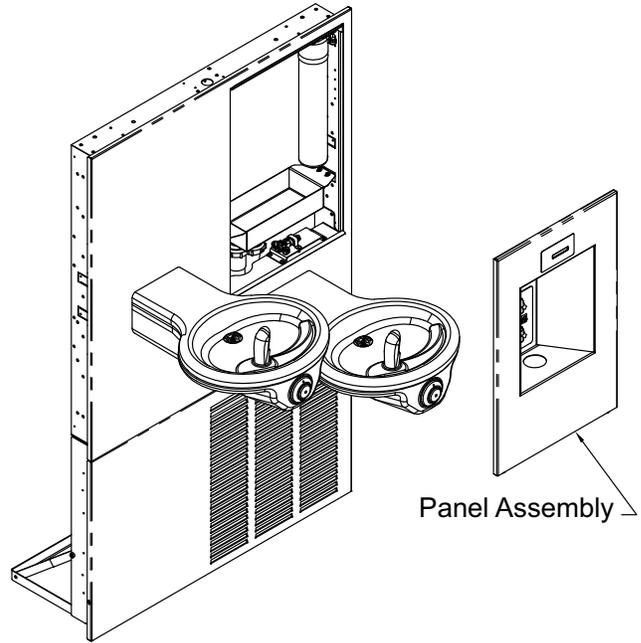
ITEM	PART NUMBER	DESCRIPTION
1	7012-347-001	WF3000 PFAS Water Filter 3000 Gallon
2	1895-709-000	Elbow, 1/4" Push-In x 1/4" Stem
3	7014-035-199	Water Filter Bracket
4	0250-006-000	#10 x 5/8" Phillips Truss Head Screw
5	0124-031-000	#8 x 3/8" Hex Washer Head Screw
6	2169-000-000	Tubing, 1/4" O.D. LLDPE, (Blue)
7	7012-055-000	Foam Pipe Insulation

**WATER TUBING  
DIAGRAM**

**OPTIONAL -WF3000 WATER FILTER INSTALLATION**

**FILTER CARTRIDGE REPLACEMENT:**

1. Remove panel assembly, this allows access to the filter and the inlet valve (provided by others). Turn valve knob 1/4 turn clockwise to close.
2. With the filter assembly secured on the unit, hold the cap firmly, turn the replaceable cartridge filter counterclockwise to remove.
3. Remove and replace the cartridge turning clockwise to secure.
4. Turn inlet 1/4 turn knob 1/4 turn counterclockwise to open and test for leaks and proper operation before re-mounting panel assembly to fixture.

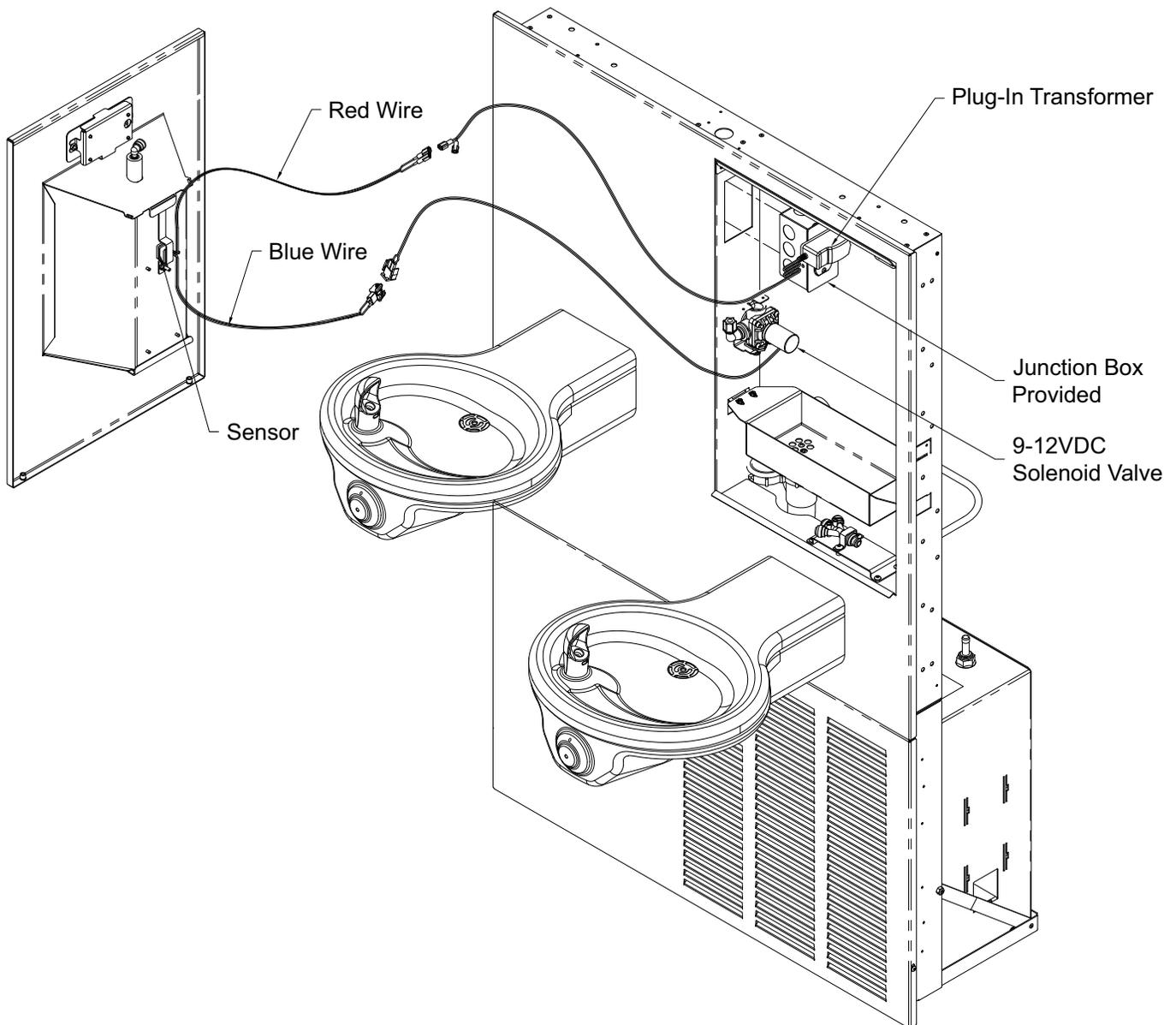


**ELECTRICAL INSTALLATION:**

**NOTE:** Plug in power is a standard feature.

1A. Plug-In Operation: Plug transformer provided into GFCI protected electrical service, used by the semi-recessed bottle filler. Plug in transformer to power supply and connect to red sensor wire.

1B. For Reverse Bi-Level, unit will be reversed.



**OPTIONAL -BCD BOTTLE COUNTER DISPLAY**

**BOTTLE COUNTER ADJUSTING & RESETTING INSTRUCTIONS:**

**NOTE: Bottle Counter Has Multiple Functions**

Reset/ Mode Button

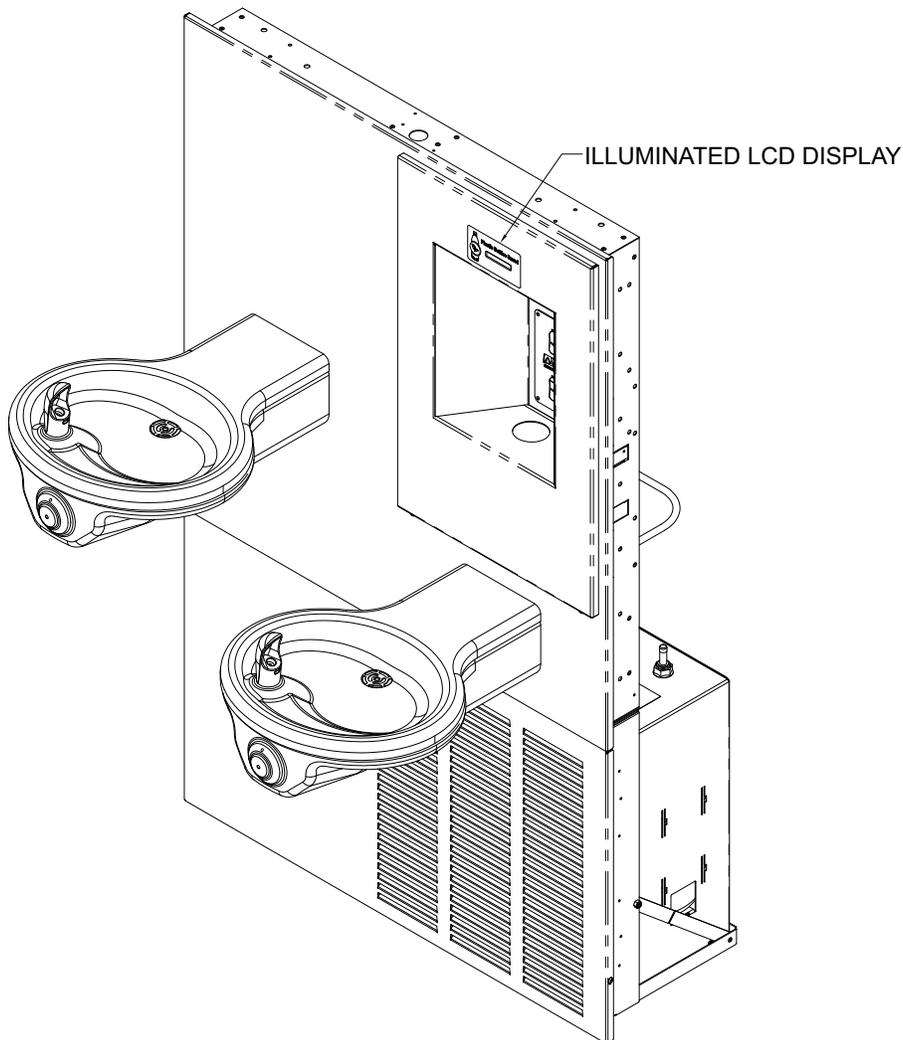
- Counts refilled bottles, otherwise purchased
- Adjustable for Units with and without filters
- “REPLACEMENT FILTER” alert function
- Alert reset, when filter is replaced

**Description**

Illuminated LCD display, counts bottles, and has a filter replacement alert function

**Bottle Counting Function**

The software applies a flow volume of approximately 16.9 fl oz (volume in standard size plastic water bottle) to each bottle counted. If the flow volume is less than 16.9 fl oz there will be no count but the volume will accumulate, so that part way through the next cycle the total bottle count will change.



**OPTIONAL -BCD BOTTLE COUNTER DISPLAY**

**FILTER REPLACEMENT FUNCTIONS:**

**NOTE:** When the volume accumulates to 1500 or 3000 gallons (recommended maximum filter flow volume) the “REPLACE FILTER” alert will appear on the display every time the bottle filler is activated.

**Counter Modes**

Located on the back of the display you will find the reset button for the mode settings. The Reset/Mode selection button is accessible by removing the bottle filler panel assembly, then locate the large hole in the back of the display mounting bracket. Use your finger or nonconductive implement to depress the Reset/Mode Selection Button.

**!!!DO NOT USE SHARP OR METAL IMPLEMENTS!!!**

With this reset button, you are able to indicate whether or not the unit has a filter or does not have a filter. The reset button will also take away the “REPLACE FILTER” alert once the filter has been replaced.

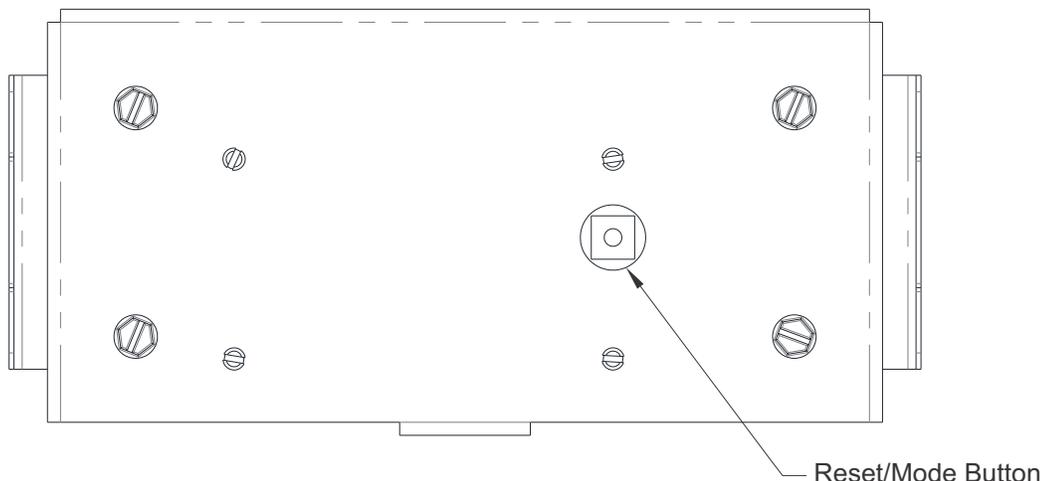
**Systems With or Without Filter**

- Depress the Reset/Mode selection button for 6 Seconds, the number of seconds will count up on the display.
- At the end of the 6 seconds, “FLTR YES” or “FLTR NO” **WILL APPEAR** on the display.
- “FLTR YES” means that there is a filter in the system and a “REPLACE FILTER” alert **WILL APPEAR** on the display when the maximum filter flow volume is reached.
- “FLTR NO” means that there is no filter in the system and a “REPLACE FILTER” alert **WILL NOT APPEAR** on the display.
- Release button when the option required is on the display (Filter Yes or No)

**CLEARING “REPLACE FILTER” ALERT:**

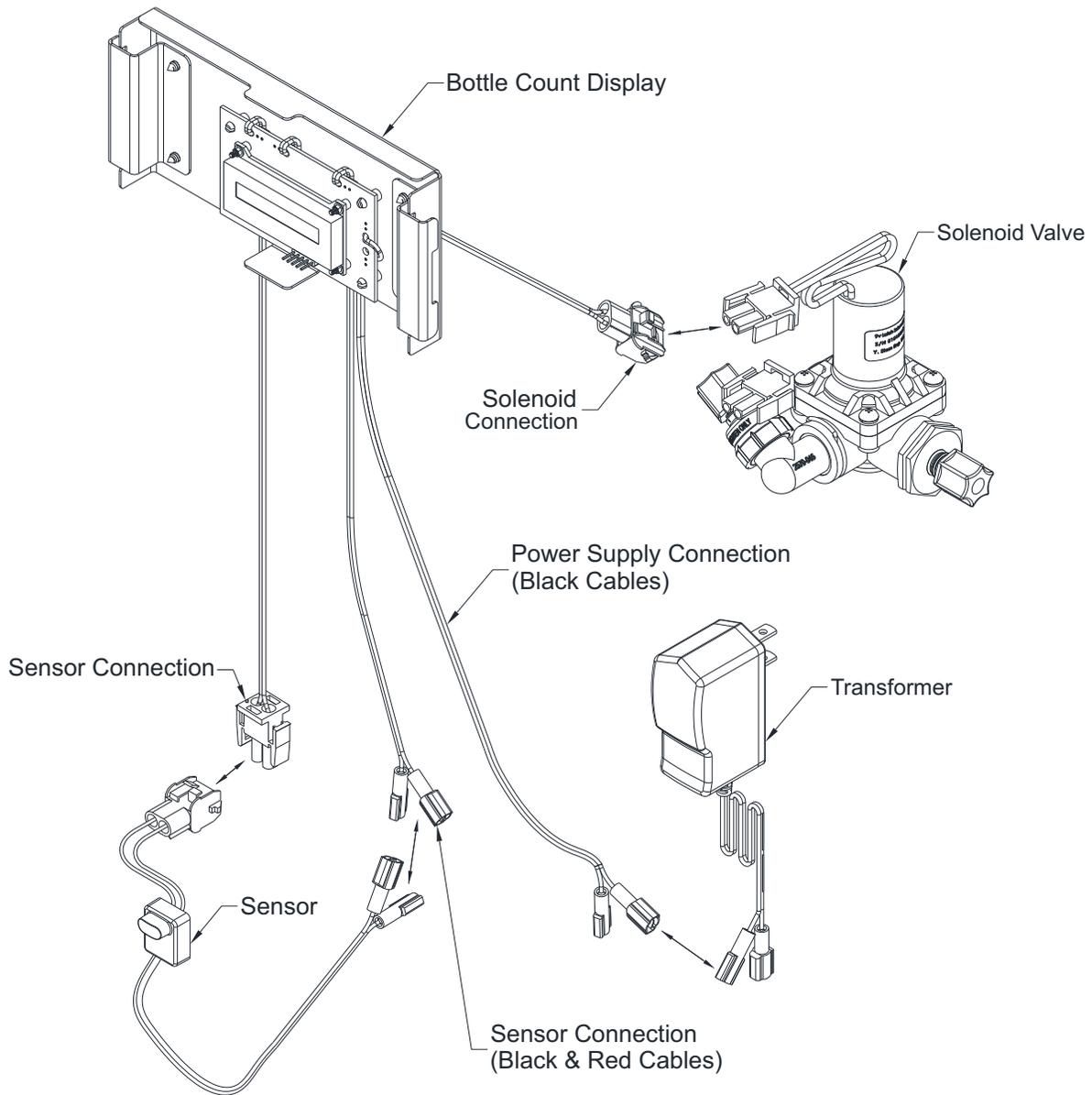
**NOTE:** This Function only applies if the system as a filter

- Replace old filter with new filter.
- Depress the Reset/Mode selection button for **2 SECONDS**
- The “REPLACE FILTER” will no longer appear on the display
- Test by actuating the bottle filler, alert will not appear.



**OPTIONAL -BCD BOTTLE COUNTER DISPLAY**

**BOTTLE FILLER & BOTTLE COUNTER CONNECTIONS:**

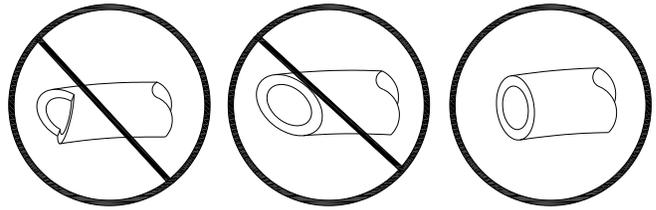


**PUSH-IN FITTING INSTALLATION**

NOTE: FITTINGS AND TUBE SHOULD BE KEPT CLEAN, BAGGED AND UNDEAMAGED PRIOR TO INSTALLATION.

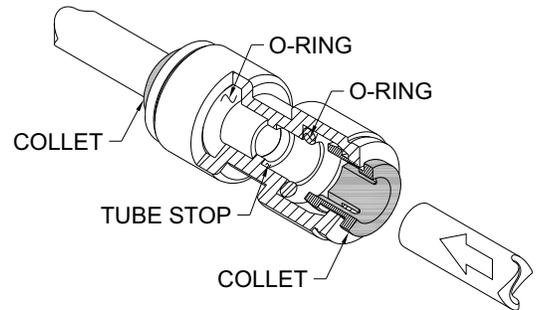
**TO CUT TUBE:**

Cut to fit length of 1/4" PE tubing and remove any burrs or sharp edges. Ensure that the outside diameter is free from score marks. Tube ends should be square.

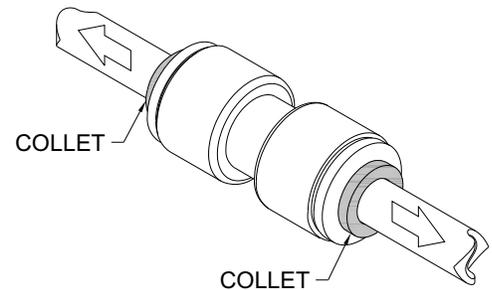


**INSERTING THE TUBE:**

1. Firmly and fully insert the tubing end into the push-in fitting up to the tube stop located approximately 1/2" deep.

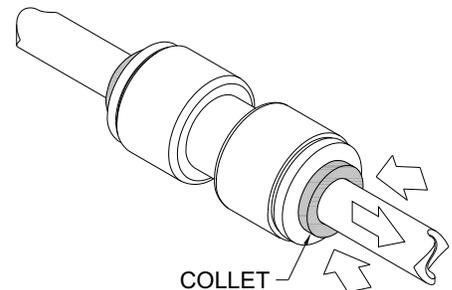


2. Pull on the fitted tubing to ensure it is secure. Tube should not come free from the fitting. Water test the connection assembly prior to leaving the site to ensure there are no leaks.



**DISCONNECTING THE TUBE:**

To disconnect the tube from the fitting ensure that the water line is depressurized. Push collet square towards the push-in fitting body and hold. While holding the collet in, pull on the PE tubing to remove from the push-in fitting.



**TROUBLE SHOOTING:**

**IMPORTANT: BEFORE MAKING ANY OF THE REPAIRS LISTED, MAKE SURE THE WATER CHILLER IS DISCONNECTED FROM THE ELECTRICAL SUPPLY AND THE WATER SUPPLY VALVE IS SHUT OFF.**

**1. ADJUSTMENTS:**

- a. Cartridge – The water flow can be adjusted using a slotted narrow blade screwdriver and turning clockwise to increase flow and counterclockwise to decrease flow.
- b. Cold Water Thermostat – The water temperature can be adjusted using a slotted screwdriver and turning clockwise to make colder and counterclockwise to make warmer.
- c. Bubbler Stream - Bubbler can be rotated slightly to direct the stream backwards or forwards. Adjust the stream to minimize splashing. Splashing may occur from bubbler stream if the unit is not level. Shim lower mounting point, if necessary, to level chiller.

**2. COMPRESSOR DOES NOT RUN:**

- a. Check the electrical supply for power and correct voltage. The incoming voltage must be within 10% of the rated voltage on the serial nameplate.
- b. If the cold thermostat capillary bulb loses its charge or becomes kinked, it will fail in the open position causing a disruption of power to the compressor. Disconnect electrical supply to the water chiller and using an ohm meter check, for continuity across the two electrical terminals on the thermostat. Install a new thermostat if there is no continuity.
- c. Check for loose wires within the compressor box. The incoming power leads must be connected to the overload and relay.
- d. If all components check positive for continuity, then test the wiring harness plug for continuity to see if there is a broken wire within the wiring harness insulation.

**3. COMPRESSOR RUNS - WATER IS WARM:**

- a. The most common cause for a water chiller to run without producing cold water is a loss of refrigerant. The water chiller must be taken to a certified refrigerant technician for repairs.
- b. Make sure the condenser fan motor is operative. The fan blade must turn freely to help remove the heat of compression.
- c. An incorrect refrigerant charge, restriction or defective compressor (not pumping) will also cause the compressor to run without producing cold water. All these signs indicate a problem within the refrigeration system and the water chiller must be checked by an authorized service company.

**4. COMPRESSOR CYCLING ON OVERLOAD PROTECTOR:**

- a. A dirty condenser or a blocked fan will cause a high head pressure and frequent cycling of the overload protector.
- b. Check the incoming voltage to make sure it is within 10% of the serial nameplate rating.
- c. A restriction or moisture in the system will also cause intermittent cycling. A certified refrigeration mechanic should be contacted in this situation.
- d. Change the overload or relay if defective.

**5. NOISY OPERATION:**

- a. Check to make sure the fan blade is rotating freely.
- b. Check the compressor mounting to make sure the pins and clips are not rattling. If the compressor appears to be noisy internally, it must be replaced.

**6. RESTRICTED OR NO WATER FLOW:**

- a. Ensure water supply service stop valve is fully open.
- b. Verify minimum 20 psig supply line flow pressure.
- c. Check for twists or kinks in outlet tubing.
- d. Check the water inlet "Y" strainer. Sediment from the main supply can get trapped in the screen along with installation materials such as pipe dope and flux. The screen should be cleaned and checked on a regular basis and replace if needed.
- e. The cartridge valve located in the water control assembly or bubbler can also become clogged with foreign material. The cartridge valve can only be replaced and not repaired.
- f. Check flow adjustment. See start up note #3.
- g. Flow control in solenoid valve outlet elbow clogged remove & clean.

- h. The water chiller may also develop a freezing condition in which the water will become frozen inside the evaporator coil. This indicates a refrigeration problem or thermostat failure; in which case, the water chiller needs to be checked by a qualified technician.
- i. No power to transformer connections, loose or wires cut.

**7. WATER DRIPS OR WILL NOT SHUT OFF:**

- a. Open fixture. Loosen nuts holding valve bracket assembly to bottom of fixture but, do not remove. Move complete valve bracket assembly further back from the front push pad and tighten to lock in place.
- b. Replace valve cartridge.

**CLEANING & MAINTENANCE GUIDE:**

- 1. Motors have lifetime lubrication and do not require scheduled maintenance.
- 2. Excess dirt or poor ventilation will cause the compressor overload protector to turn the compressor off and it will cycle on and off with no cold water coming out of bubbler. Periodically clean with vacuum cleaner, air hose or brush the condenser fins and cabinet ventilation louvers. In environments where dirt and dust is more prevalent, clean more frequently.
- 3. Periodically remove fountain top and clean out in-line strainer.
- 4. Periodically remove access panel of cooler and clean out inline “Y” strainer

**For Stainless steel units:**

- 1. To Remove water spots or rust spots, stainless steel cleaner/polish on a cloth is recommended.
- 2. If there are stubborn spots or if you wish to treat a scratch, using synthetic abrasive general purpose pads, such as Scotch-Brite™, are recommended.
- 3. Apply stainless steel cleaner/ polish to the synthetic abrasive pads and carefully rub the panel with the grain.
- 4. DO NOT use harsh chemicals, abrasive or petroleum based cleaners. Use of these will void the Murdock warranty.
- 5. Stainless steel should be kept clean at all times. If a coating of stainless steel cleaner/ polish is maintained, stainless steel surfaces will retain their new, clean, polished appearance indefinitely.

**CARTRIDGE REPLACEMENT/ STRAINER MAINTENANCE**

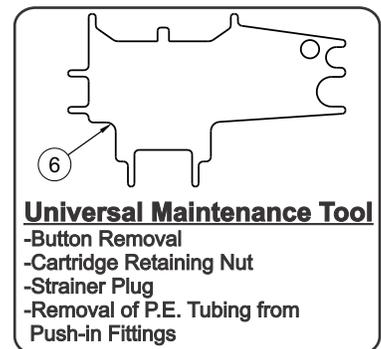
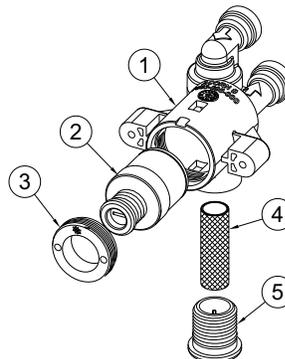
Note: Use the Universal Maintenance Tool to perform the following:

- 1. Strainer Plug must be removed before Cartridge replacement and Strainer maintenance (no need to turn the water off at the Angle Stop). Some residual water will drain during Plug removal.
- 2. Clean Strainer as needed using clean water.
- 3. Cartridge Replacement - insert diamond end of the Universal Tool into Pushbutton, rotate 90 degrees and pull firmly to remove the Button. Remove Cartridge Retaining Nut . Remove and replace Cartridge. When replacing Cartridge, be sure to align the inlet and outlet Ports on the Cartridge with the Ports in the Valve Body.

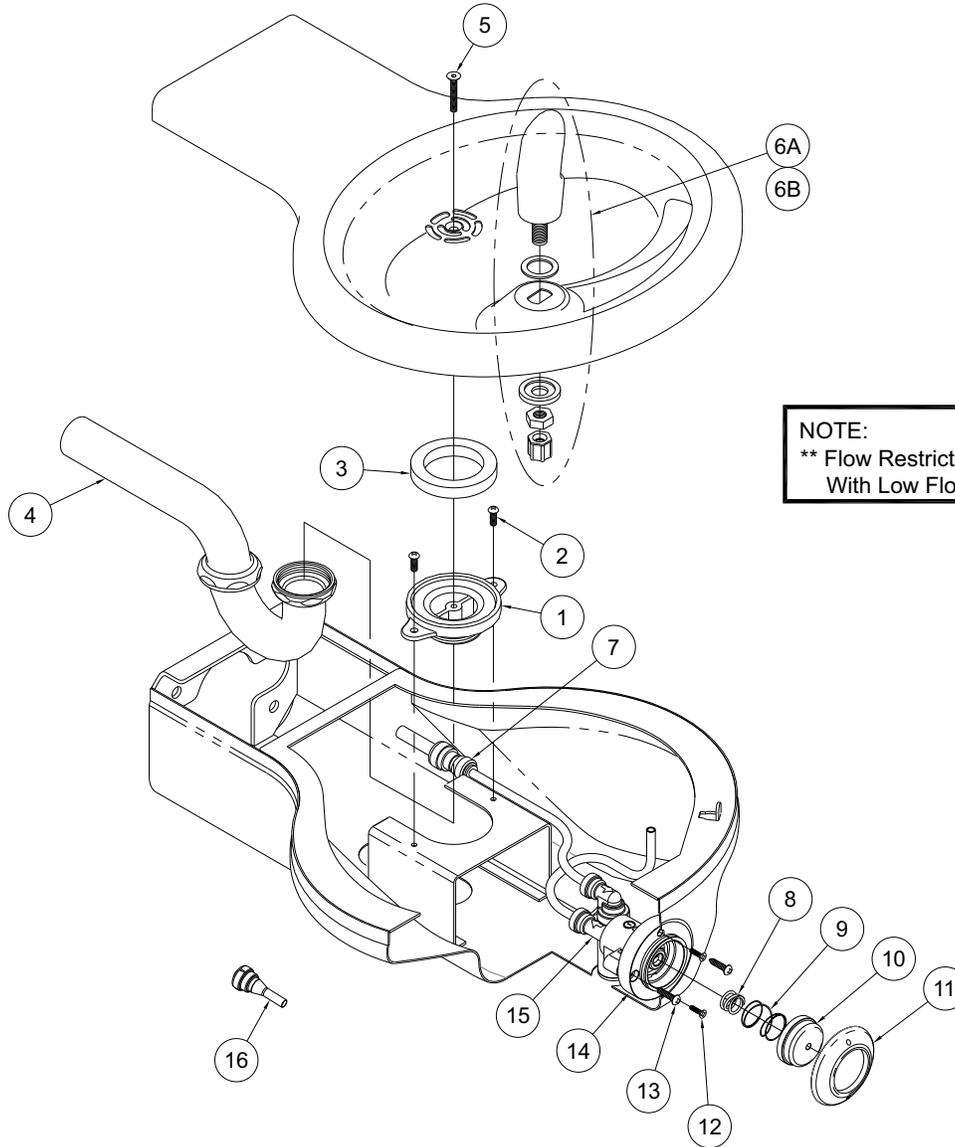
• **NOTE: STRAINER SCREEN MUST BE IN PLACE FOR WATER TO FLOW.**

**CARTRIDGE VALVE PARTS BREAKDOWN**

ITEM #	PART NUMBER	DESCRIPTION
1	7003-095-000	Valve Body Sub Assembly
2	7000-060-000	Valve Cartridge
3	7000-052-000	Retaining Nut
4	7003-864-000	Strainer, Auto Stop
5	7003-097-001	Strainer Cap
6	7003-194-199	Maintenance Tool



**VANDAL RESISTANT DRINKING FOUNTAIN PARTS BREAKDOWN DRAWING**  
**Shown is the 18" long unit, however the parts are the same for the 14" long unit.**

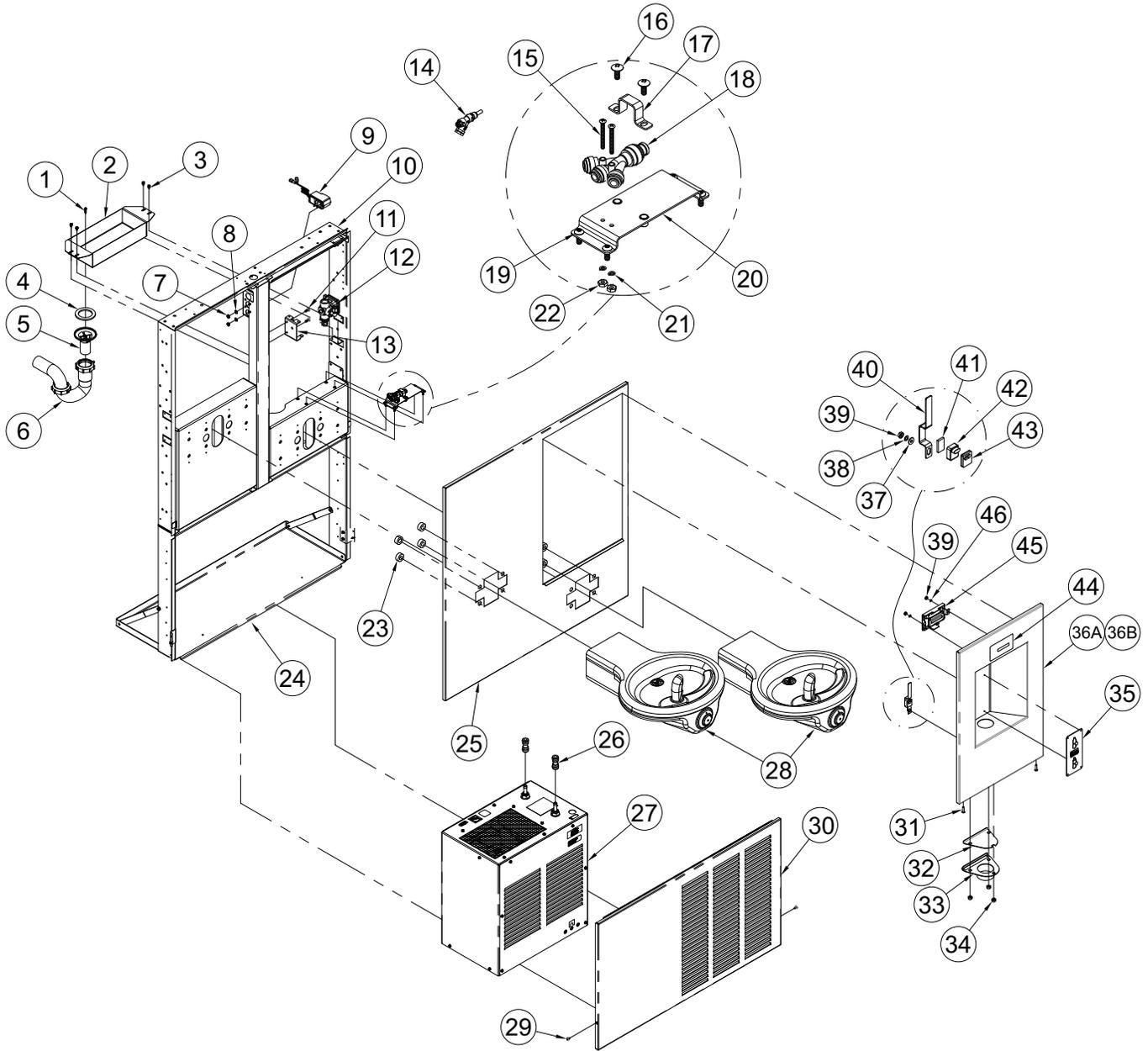


**NOTE:**  
\*\* Flow Restrictor Only Available  
With Low Flow Bubbler.

ITEM #	PART NUMBER	DESCRIPTION	ITEM #	PART NUMBER	DESCRIPTION
1	7000-005-199	Drain Adapter	9	7003-193-000	Spring, Pushbutton Return
2	0116-016-000	#10-32 x 3/8" Phillips Truss Head Screw	10	7003-196-199	Pushbutton, Chrome
3	7000-006-000	Flat Drain Adapter Gasket	11	7003-197-199	Escutcheon, Chrome
4	7000-015-000	1-1/4" OD P-Trap	12	0161-062-000	#6-32 x 1/2" Phillips, Flat Head Screw
5	0152-010-000	#10-32 x 1" Hex Flat Head Screw	13	0124-055-000	#8 x 3/4" Phillips, Round Head Screw
6A	7000-012-001	Stainless Steel Bubbler Assembly	14	7003-198-199	Mounting Sleeve
6B	7000-099-002	Flexible Gray Bubbler Assembly	15	7003-095-001	Valve Body Sub Assembly
7	1895-123-000	1/4" x 3/8" OD Tube Union Push-In	16	7003-093-001	Flow Restrictor - Low-Flow Bubbler Only
8	7003-195-000	Spring, Overtravel			

Repairs must be made with Murdock Manufacturing parts only. Please order through your local representative or distributor. The phone number to locate your local representative is 1.800.591.9360.

**A132.8-VR-BF4 SERIES BREAKDOWN**



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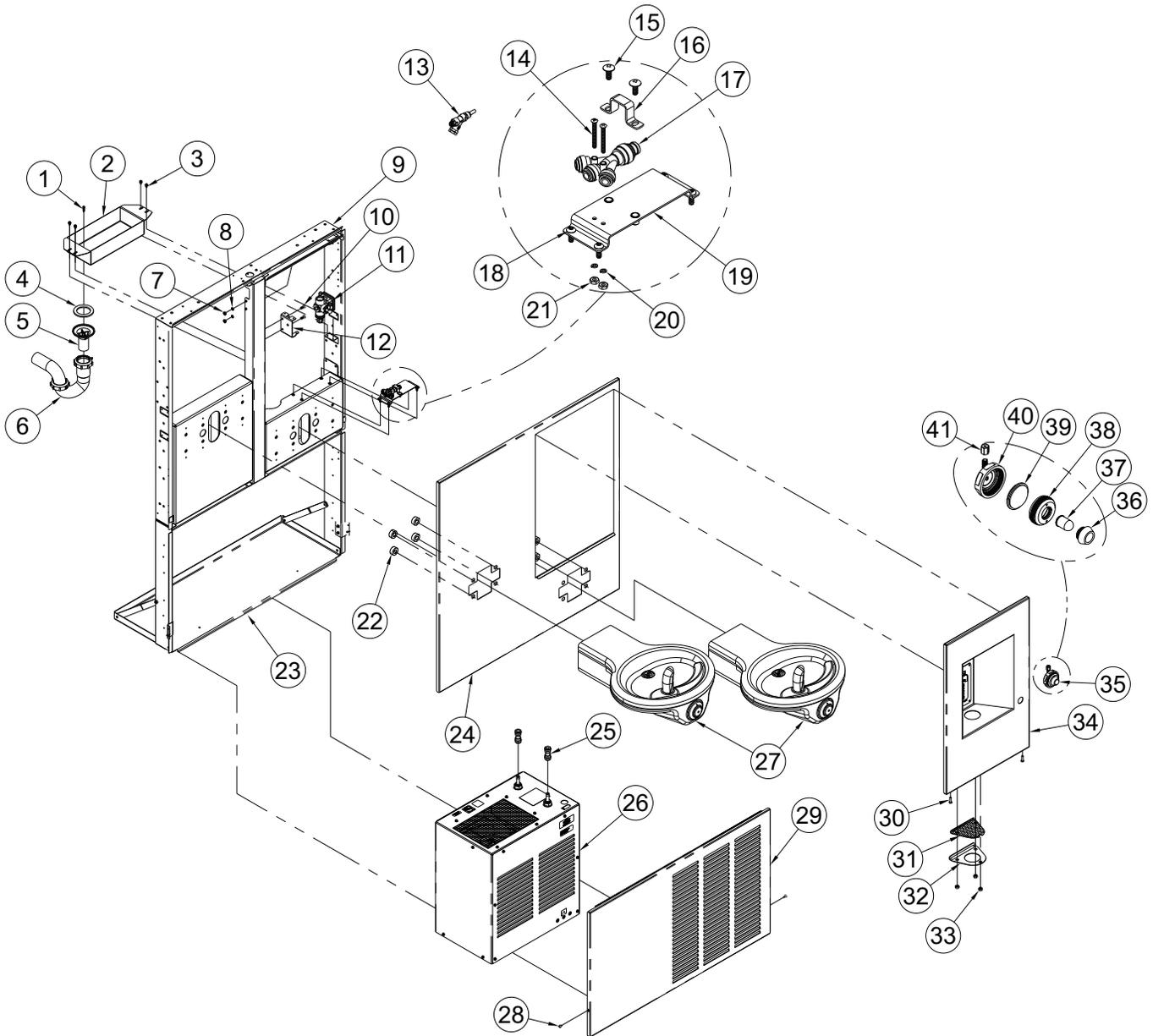
**A132.8-VR-BF4 SERIES BREAKDOWN**

ITEM#	PART NUMBER	DESCRIPTION
1	0110-004-000	#8-3/4" Phillips Pan Head Screw
2	7014-034-199	Drain Tray, BF4
3	0124-031-000	#8-3/8" Hex Washer Head Screw
4	7000-006-000	Flat Drain Adapter Gasket
5	7003-186-199	1-1/4" x 2-3/4" Plastic Drain Tube
6	4970-265-000	1-1/2" x 1-1/4" P-Trap, White Poly
7	0302-004-000	#10-32 UNF Hex Nut Stainless Steel
8	0321-011-000	#10 Stainless Steel External Tooth Lockwasher
9	0710-730-001	9V Plug-In Transformer
10	7014-110-001	Mount Frame Assembly R.H. Bottle Filler, W32
	7014-041-001	Mount Frame Assembly L.H. Bottle Filler, W32-RBL
11	6502-070-000	#10-32 x 1/2" Slotted Pan Head Screw
12	7013-133-001	LH, 9-12VDC Solenoid Op Valve Assembly
	7013-134-001	RH, 9-12VDC Solenoid Op Valve Assembly (For RBL)
13	7014-036-199	Solenoid Bracket
14	7000-021-001	"Y" Strainer Assembly, 1/4" NPT
15	0110-010-000	#6-32 x 1-1/4" Phillips Head Screw
16	0116-010-000	#10-32 x 1/2" Stainless Steel Truss Head Screw
17	7013-238-199	"Y" Strainer Clamp
18	7013-235-001	3-Way Divider Assembly, 1/4" x 1/4"
19	0112-021-000	#10-32 x 1/2" Stainless Steel Button Head Hex Screw
20	7013-231-199	3-Way Divider Bracket Assembly, 1/4" x 1/4"
21	0331-042-000	#6 Helical Spring Lock Washer
22	0302-011-000	#6-32 UNC Stainless Steel Hex Nut
23	7000-245-000	Back Panel Spacer
24	7014-150-001	Frame Assembly, Chiller Mount, W32
25	7014-032-199	Trim Panel, Bi-Level W32-BF, Upper, #4 Finish
	7014-052-199	Trim Panel, RBL-BF, Upper, #4 Finish
26	1895-123-000	1/4" x 3/8" O.D. Tube Union Push-In
27	7008-010-001	Chiller Assembly
28	18" Drinking Fountain	See Page 15 for Drinking Fountain Repair Parts
29	0124-056-000	#8 X 3/8 Phillip Stainless Steel Sheet Metal Screw
30	7014-033-199	Bottom Trim Panel, Bi-Lvl W32 w/ Chiller
31	0116-013-000	#10-32 x 3/4" Phillips Round Head Screw
32	7013-103-199	Mesh Screen
33	7013-114-001	Weldment, Screen Plate, BF
34	0302-005-000	1/4-20 UNC Stainless Steel Hex Nut
35	7013-032-000	Bottle Filler Graphic Plate, Murdock
*36A	7014-020-003	Weldment, Panel, BF4-BCD
36B	7014-019-003	Weldment, Panel, BF4, less BCD
37	0331-023-000	#8 Stainless Steel Flat Washer
38	6527-108-000	#8 Internal Tooth Lockwasher
39	0302-003-000	#8-32 Stainless steel Hex Nut
40	7013-014-199	Nano Sensor Bracket
41	7013-019-199	Foam Tape
42	2563-380-001	Nano Sensor Assembly
43	7013-009-001	Nano Sensor Spacer Assembly
*44	7013-034-000	Nameplate, Outdoor Bottle Filler (Green)
*45	7014-022-001	BCD, Bottle Filler Counter Bracket Assembly
*46	0331-003-000	#8 Helical Spring Lock Washer

**NOTE:**  
Items with (\*) are for units with -BCD option only.

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**A132.8-VR-BF3 SERIES BREAKDOWN**



Repairs must be made with Murdock Manufacturing parts only. Please order through your local representative or distributor. The phone number to locate your local representative is 1.800.591.9360.

**A132.8-VR-BF3 SERIES BREAKDOWN**

ITEM#	PART NUMBER	DESCRIPTION
1	0110-004-000	#8-3/4" Phillips Pan Head Screw
2	7014-034-199	Drain Tray
3	0124-031-000	#8-3/8" Hex Washer Head Screw
4	7000-006-000	Flat Drain Adapter Gasket
5	7003-186-199	1-1/4" x 2-3/4" Plastic Drain Tube
6	4970-265-000	1-1/2" x 1-1/4" P-Trap, White Poly
7	0302-004-000	#10-32 UNF Hex Nut Stainless Steel
8	0321-011-000	#10 Stainless Steel External Tooth Lockwasher
9	7014-110-001	Mount Frame Assembly R.H. Bottle Filler, W32
	7014-041-001	Mount Frame Assembly L.H. Bottle Filler, W32-RBL
10	6502-070-000	#10-32 x 1/2" Slotted Pan Head Screw
11	7013-133-001	LH Air-Control Valve Assembly
	7013-137-001	RH Air-Control Valve Assembly, RBL
12	7014-036-199	Valve Mounting Bracket
13	7000-021-001	"Y" Strainer Assembly, 1/4" NPT
14	0110-010-000	#6-32 x 1-1/4" Phillips Head Screw
15	0116-010-000	#10-32 x 1/2" Stainless Steel Truss Head Screw
16	7013-238-199	"Y" Strainer Clamp
17	7013-235-001	3-Way Divider Assembly, 1/4" x 1/4"
18	0112-021-000	#10-32 x 1/2" Stainless Steel Button Head Hex Screw
19	7013-231-199	3-Way Divider Bracket Assembly, 1/4" x 1/4"
20	0331-042-000	#6 Helical Spring Lock Washer
21	0302-011-000	#6-32 UNC Stainless Steel Hex Nut
22	7000-245-000	Back Panel Spacer
23	7014-150-001	Frame Assembly, Chiller Mount, W32
24	7014-032-199	Trim Panel, Bi-Level W32-BF, Upper, #4 Finish
	7014-052-199	Trim Panel, RBL-BF, Upper, #4 Finish
25	1895-123-000	1/4" x 3/8" O.D. Tube Union Push-In
26	7008-010-001	Chiller Assembly
27	18" Drinking Fountain	See Page 15 for Drinking Fountain Repair Parts
28	0124-056-000	#8 X 3/8 Phillip Stainless Steel Sheet Metal Screw
29	7014-033-199	Bottom Trim Panel, Bi-Lvl W32 w/ Chiller
30	0116-013-000	#10-32 x 3/4" Phillips Round Head Screw
31	7013-103-199	Mesh Screen
32	7013-114-199	Screen Plate
33	0302-005-000	1/4-20 UNC Stainless Steel Hex Nut
34	7014-038-003	BF3 Panel
35	2566-160-001	Hemispherical Pushbutton Assembly
36	4005-030-199	Pushbutton Escutcheon
37	4005-031-199	Pushbutton
38	2566-022-000	Pushbutton Escutcheon Retainer
39	2566-001-000	Pushbutton Diaphragm
40	2566-055-199	Diaphragm Retainer, Side Outlet
41	1895-450-000	1/8" O.D. Nylon Compression Nut

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