

A152.8-VR-BF3 and A152.8-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



A152408F-VR-BF3



A152408F-VR-BF4

A152408F-VR-BF3 / A152408S-VR-BF3 / A152408F-VR-BF4 / A152408S-VR-BF4 &
A152408F-VR-BF3-RBL / A152408S-VR-BF3-RBL / A152408F-VR-BF4-RBL / A152408S-
VR-BF4-RBL

TECHNICAL ASSISTANCE TOLL FREE TELEPHONE NUMBER:

1.800.743.8259

Technical Assistance E-Mail: 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

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COMPLIES WITH
STANDARDS



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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.

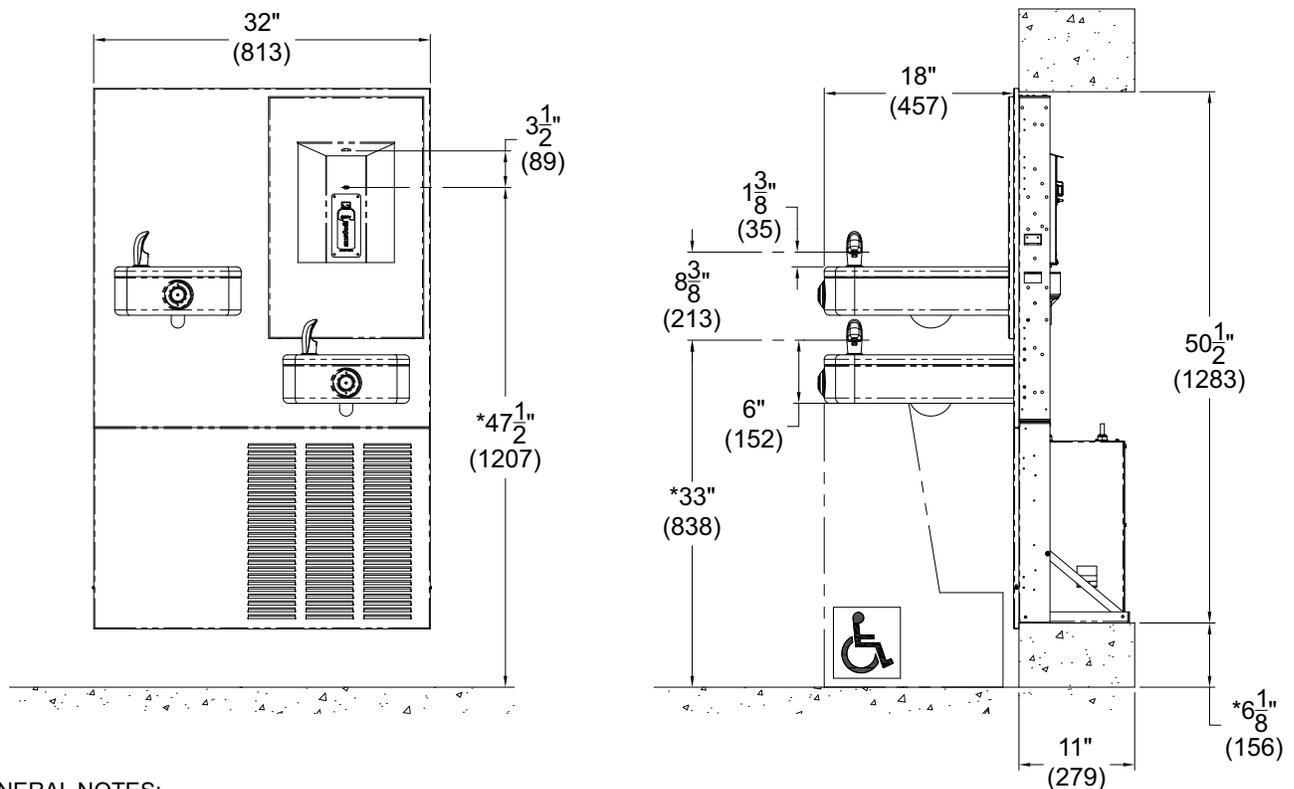
NOTICE

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

A152408S-VR-BF4 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

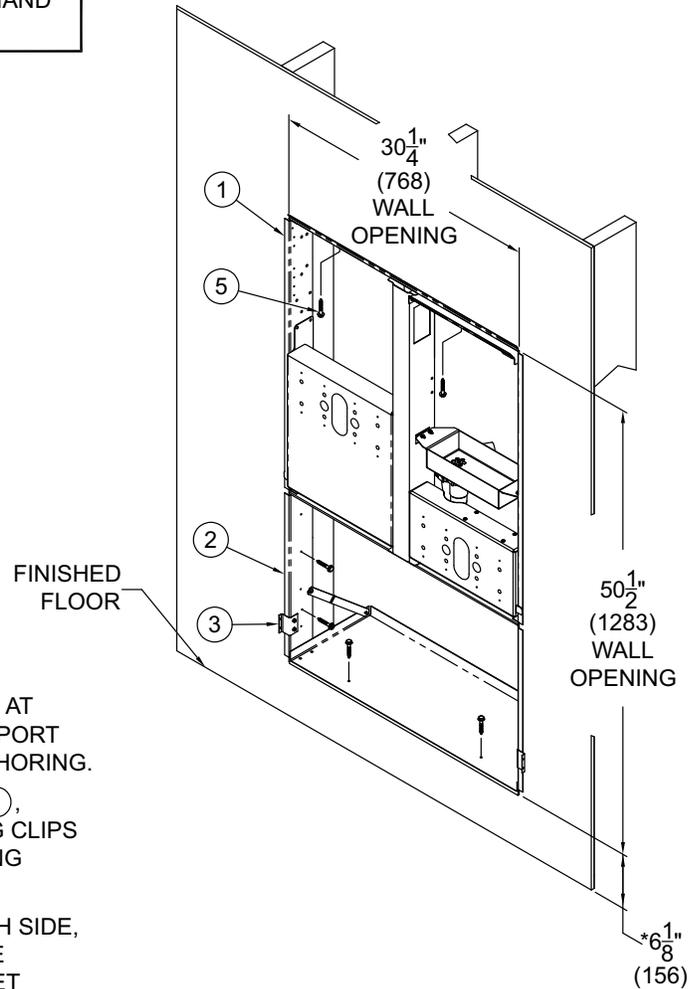
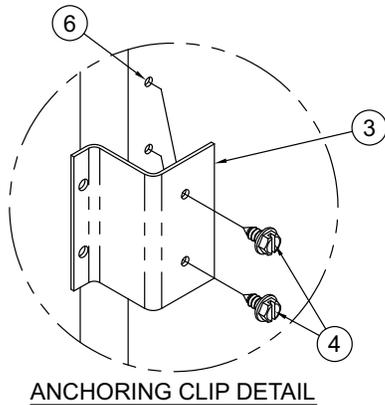
NOTES: Dimensions shown for Adult ADA compliant installation. For Child ADA compliant parallel approach installation, decrease height of installation by 3 inches. Provide clear floor space as required. Adjust vertical dimensions as required to comply with federal, state, and local codes.

DIMENSIONAL DRAWING

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

NOTES:

- 1- ALL DIMENSIONS ARE IN INCHES (MM).
- 2- STANDARD BI-LEVEL SHOWN. -RBL REVERSE BI-LEVEL, IS OPPOSITE.
- 3- CHILLER INSTALLATION IS ALWAYS ON THE RIGHT-HAND SIDE OF THE SHELF.



INSTALLATION INSTRUCTIONS:

- A-** PROVIDE 30-1/4" WIDE X 50-1/2" 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 SHELF 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" 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.

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.

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 Filter (WF1), is 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:

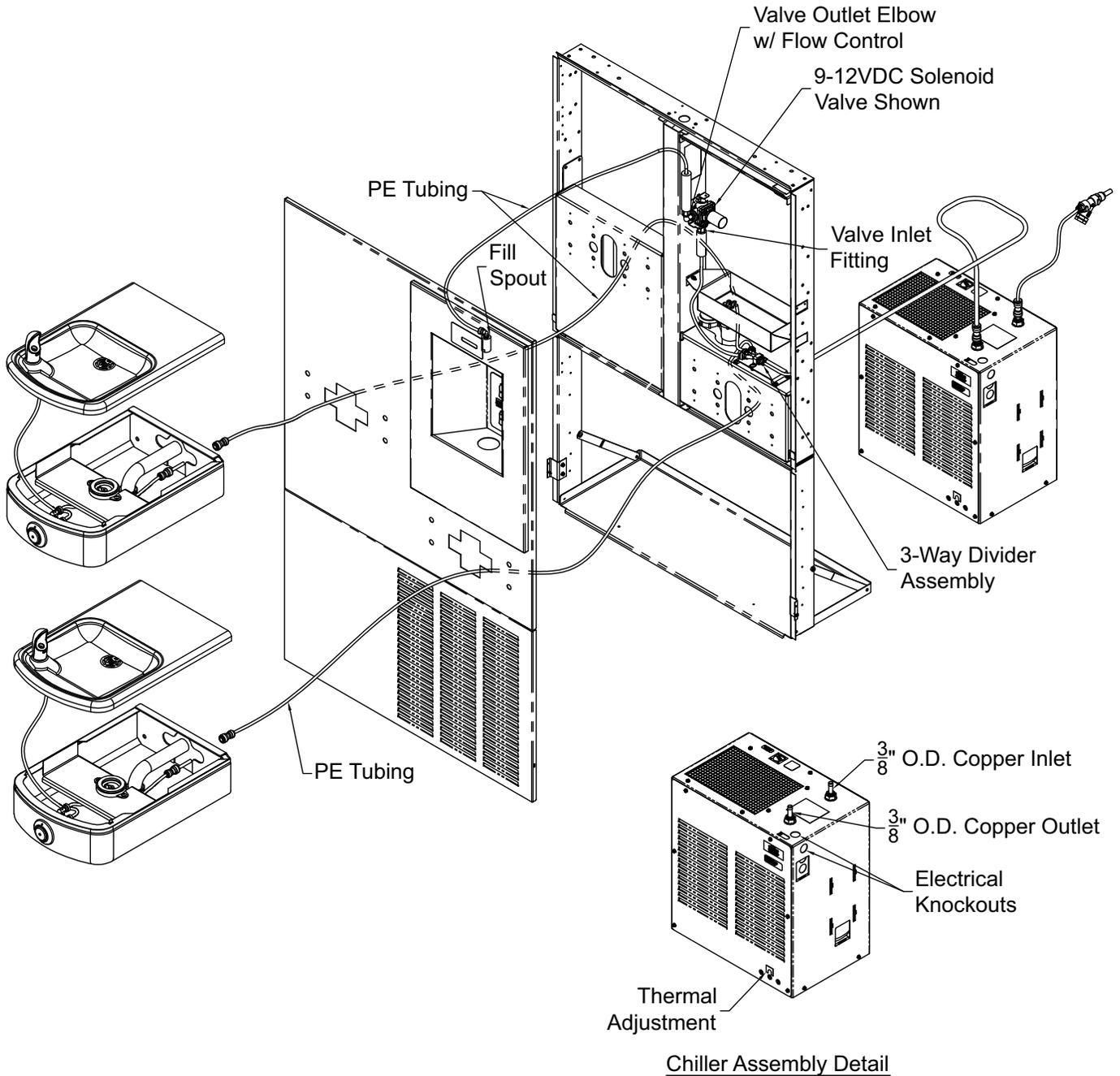
1. Before connecting power supply, but after thoroughly flushing the supply line and connecting it to the cooler, turn on building water supply and check all connections for leaks.
2. Air within the drinking fountain system or the structure supply piping will cause an irregular bubbler outlet stream 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 push pad 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.

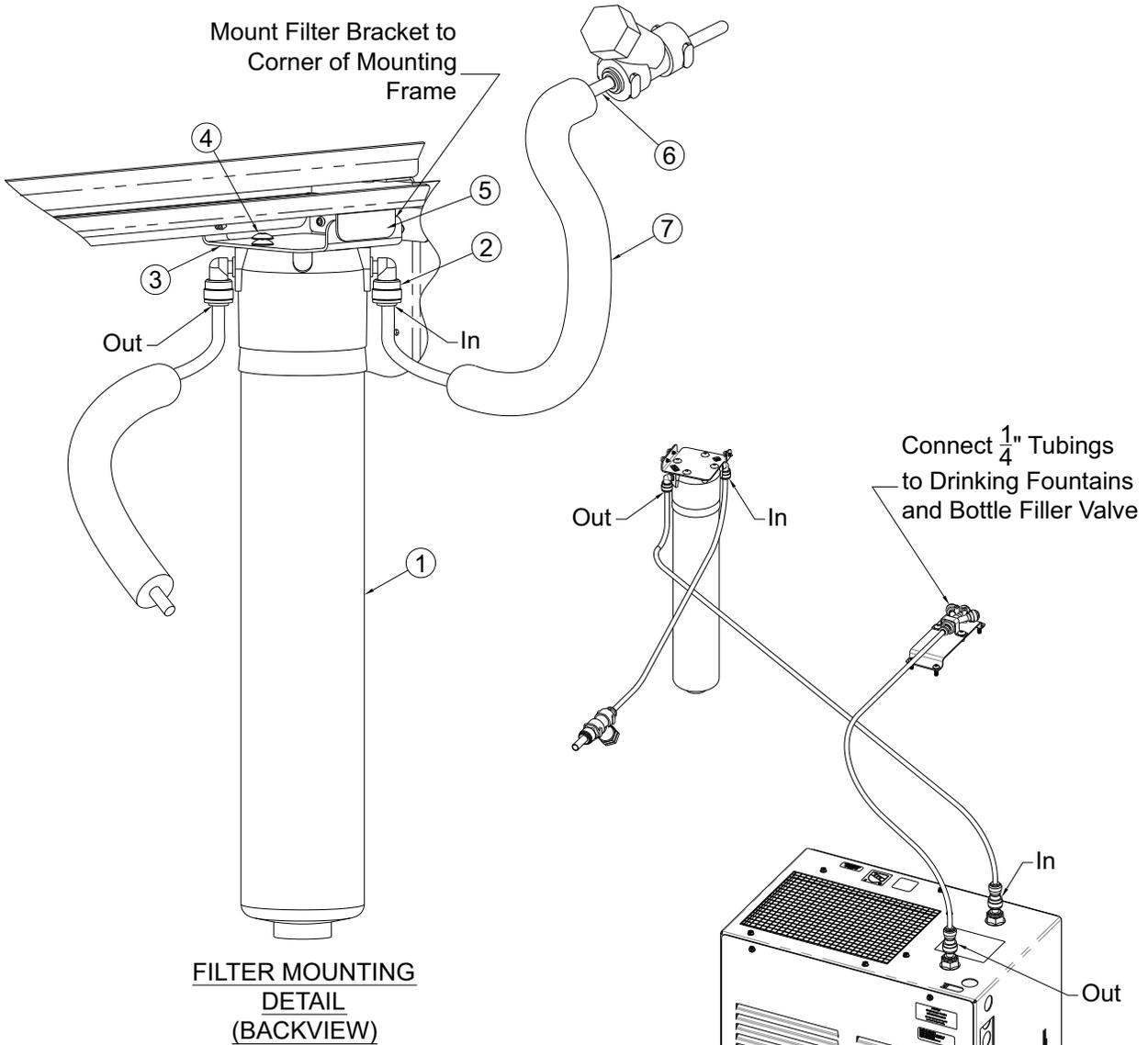
WATER TUBING CONNECTIONS:

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



OPTIONAL -WF1 WATER FILTER

Page for models with -WF1 Water Filter (A132.8-VR-BF4-WF1)



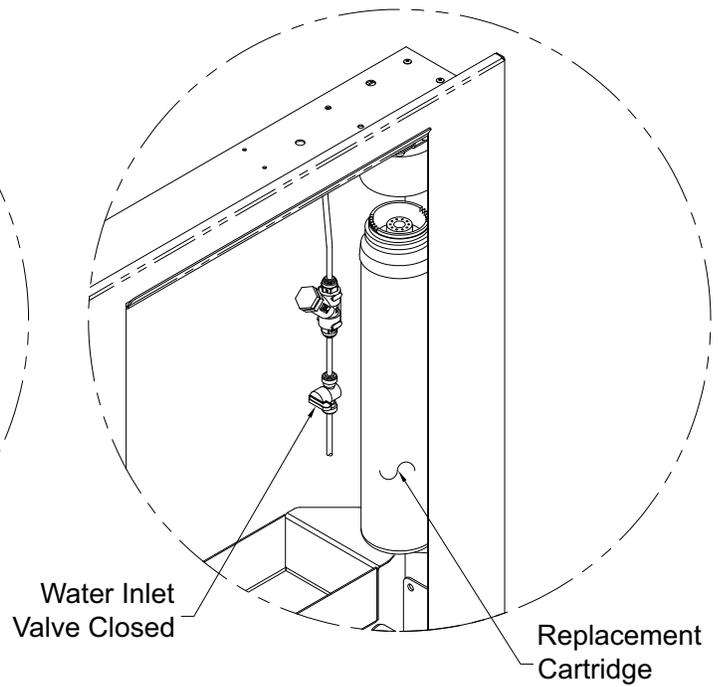
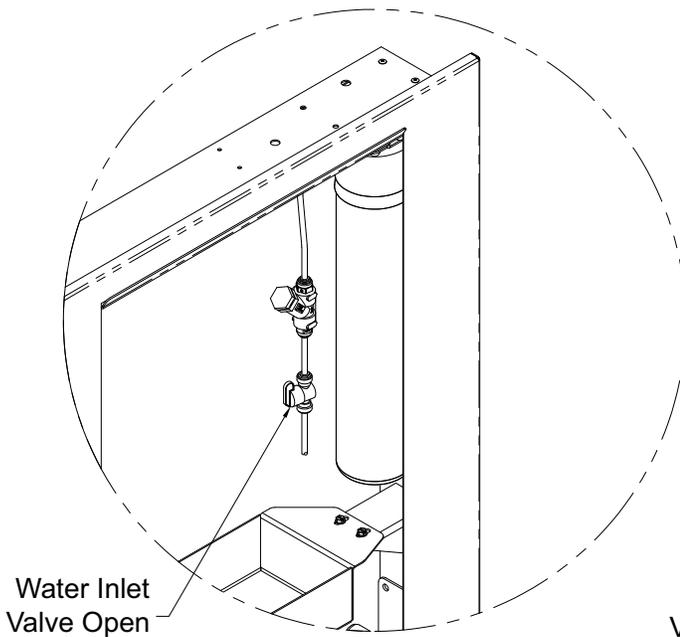
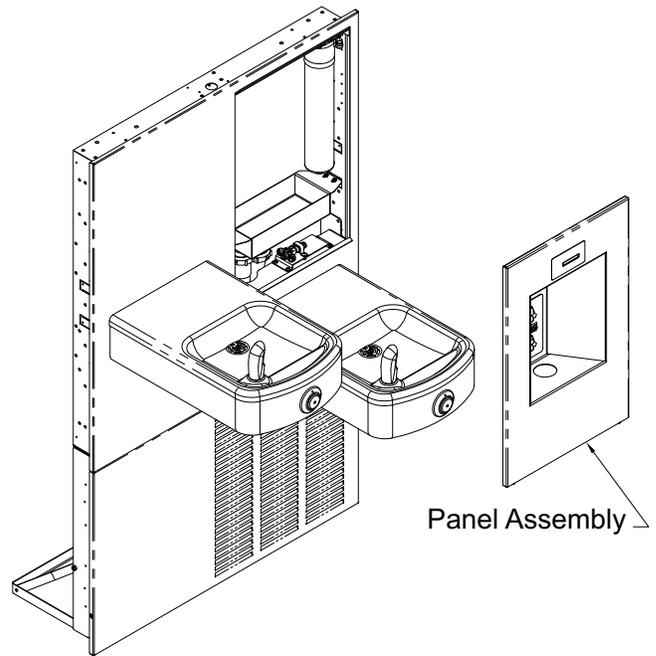
| PART NUMBER | DESCRIPTION |
|--------------|--------------------------------------|
| 7012-311-000 | WF1 Filter 1500 Gallon |
| 1895-709-000 | Elbow, 1/4" Push-In x 1/4" Stem |
| 7014-035-199 | Water Filter Bracket |
| 0250-006-000 | #10 x 5/8" Phillips Truss Head Screw |
| 0124-031-000 | #8 x 3/8" Hex Washer Head Screw |
| 2169-000-000 | Tubing, 1/4" O.D. LLDPE, (Blue) |
| 7012-055-000 | Foam Pipe Insulation |

**WATER TUBING
DIAGRAM**

OPTIONAL -WF1 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.

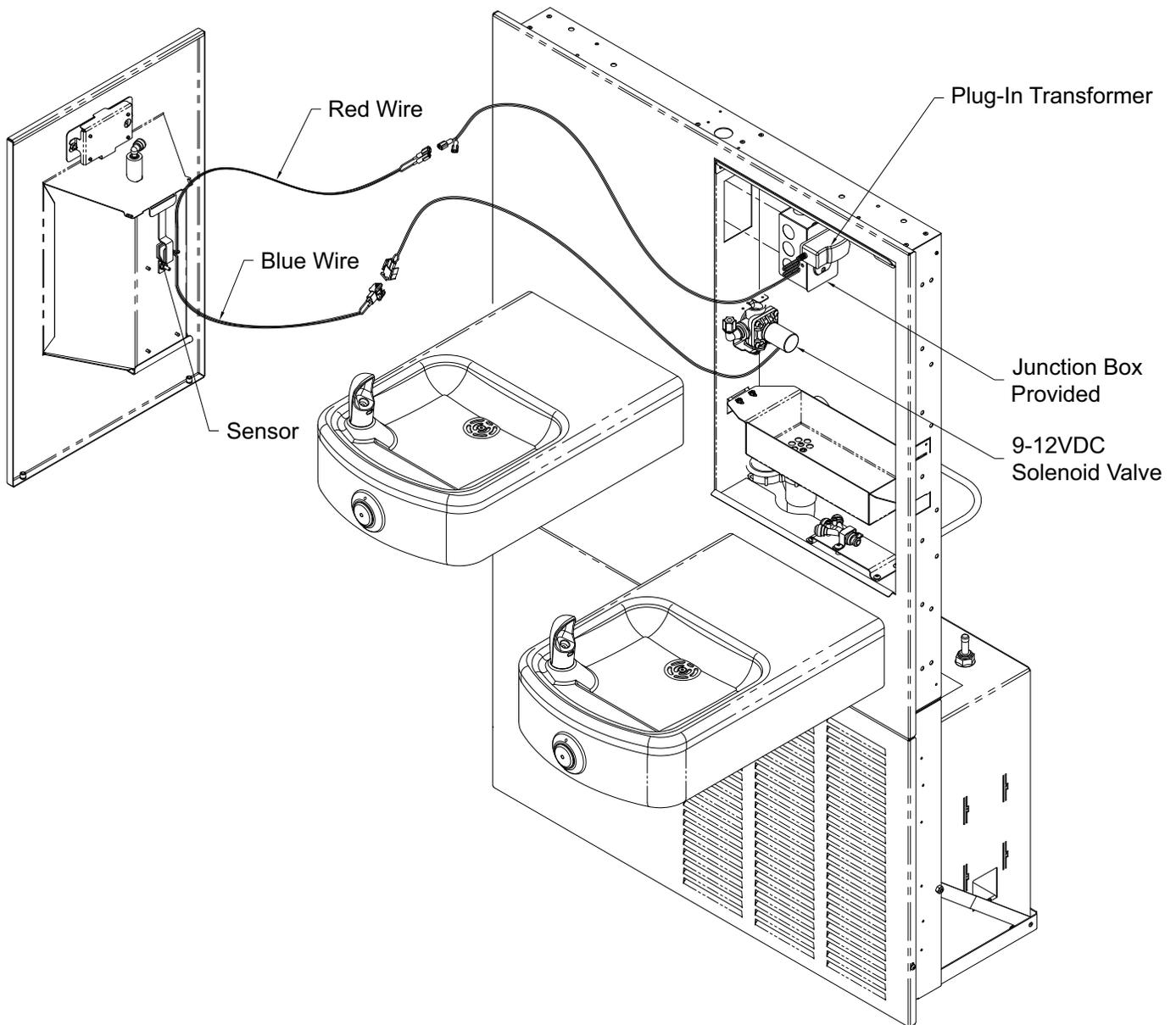


ELECTRICAL INSTALLATION:

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

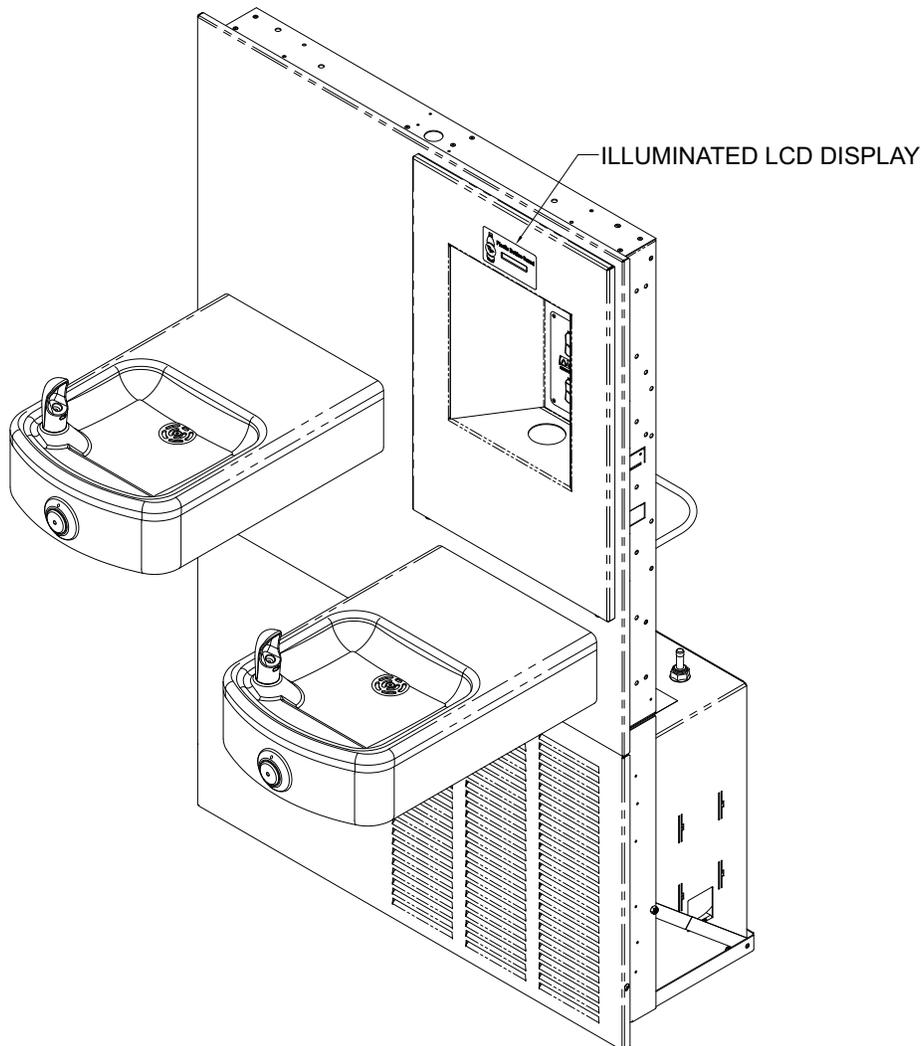
- Counts refilled bottles, otherwise purchased
- Adjustable for Units with and without filters
- “REPLACEMENT FILTER” alert function
- Alert reset, when filter is replaced

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 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.

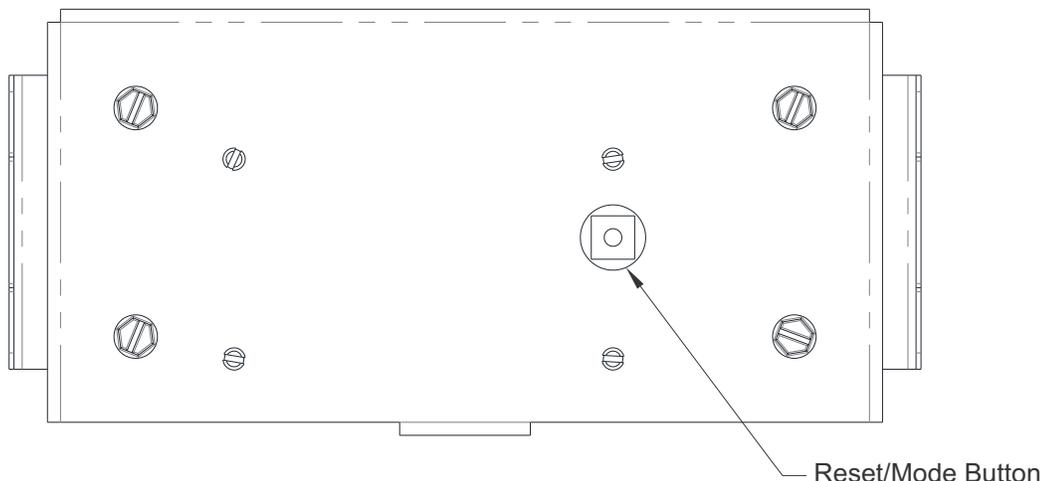
Systems With or Without Filter

- 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:

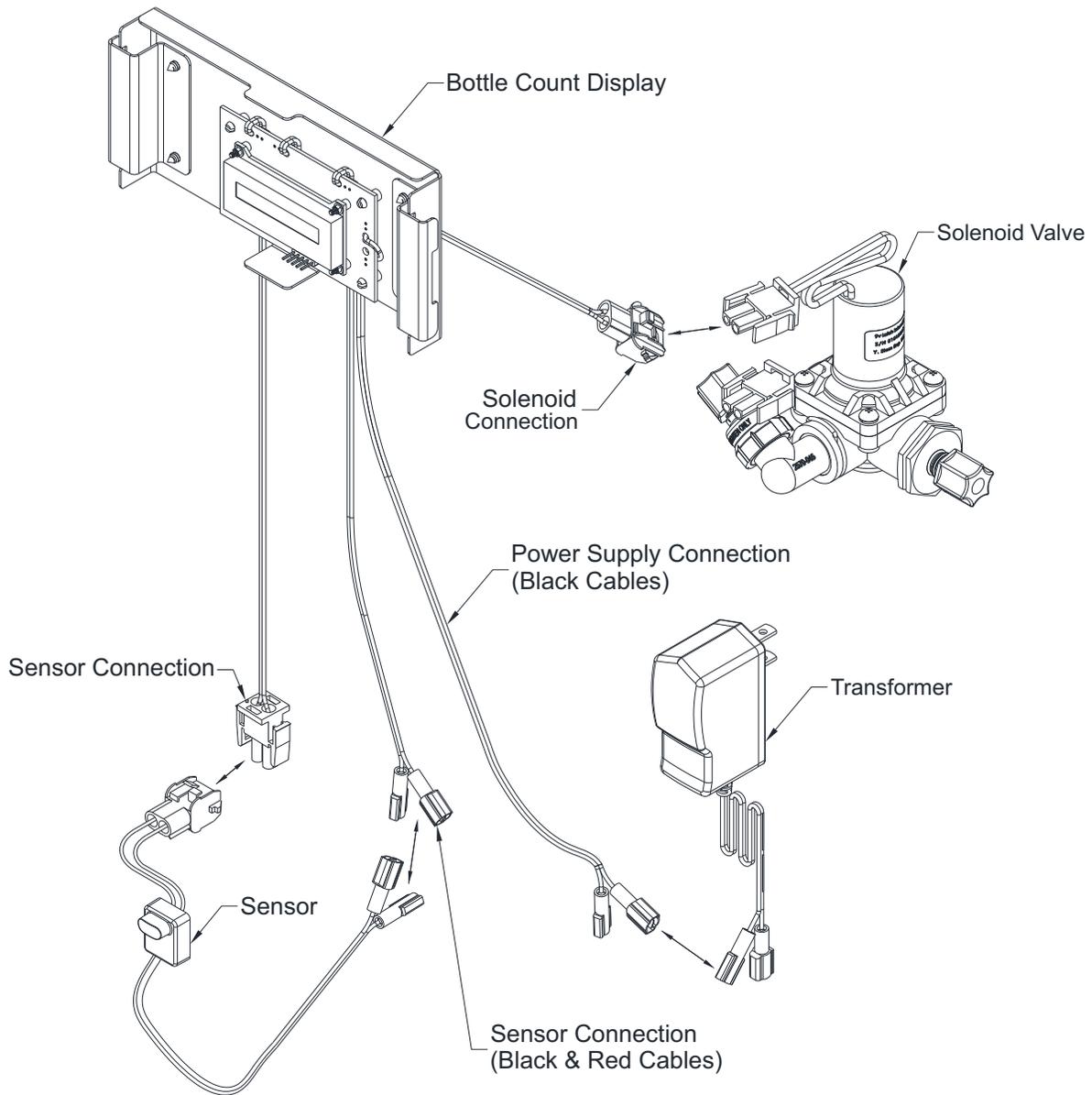
NOTE: This Function only applies if the system as a filter

- 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:

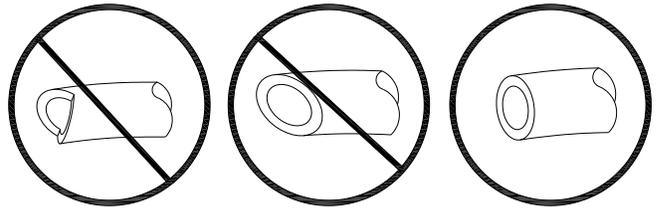


PUSH-IN FITTING INSTALLATION

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

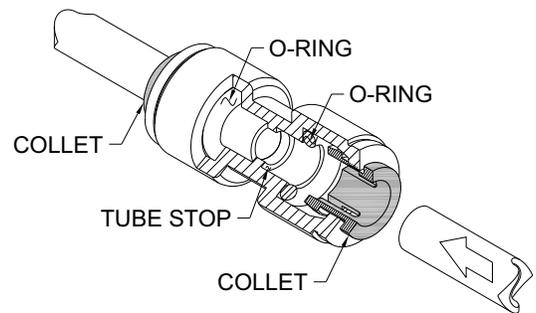
TO CUT TUBE:

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.

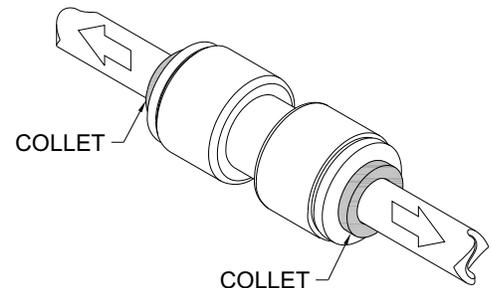


INSERTING THE TUBE:

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

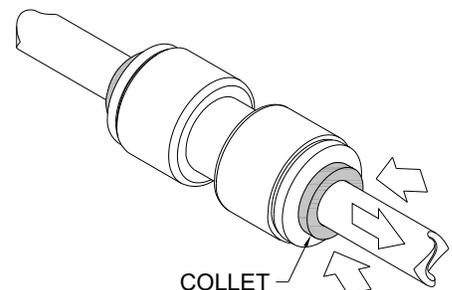


2. Pull on the fitted tubing to ensure it is secure. Tube should not come free from the fitting. Water test the connection assembly prior to leaving the site to ensure there are no leaks.



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.

CARTRIDGE REPLACEMENT/ STRAINER MAINTENANCE

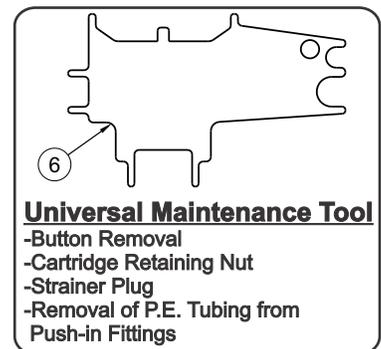
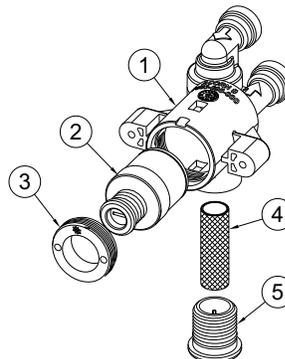
Note: Use the Universal Maintenance Tool to perform the following:

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.

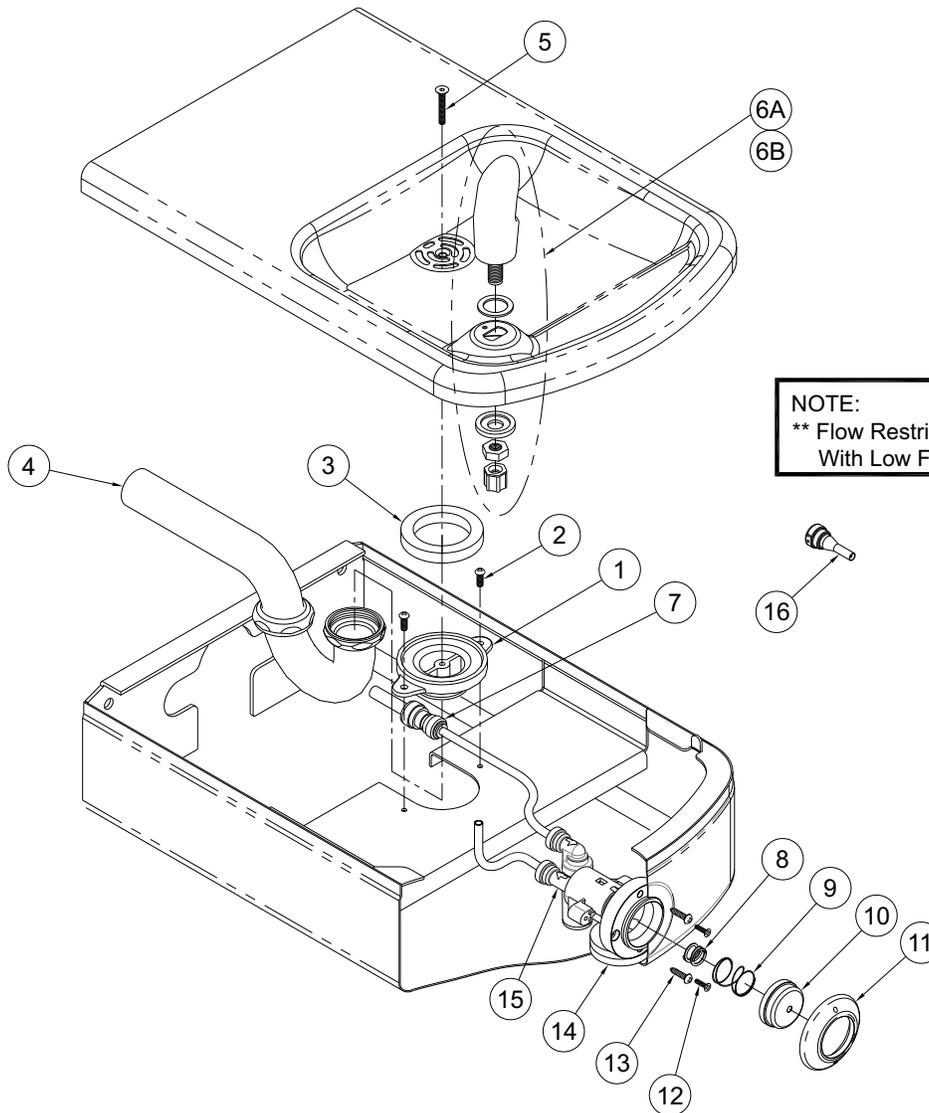
• **NOTE: STRAINER SCREEN MUST BE IN PLACE FOR WATER TO FLOW.**

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.

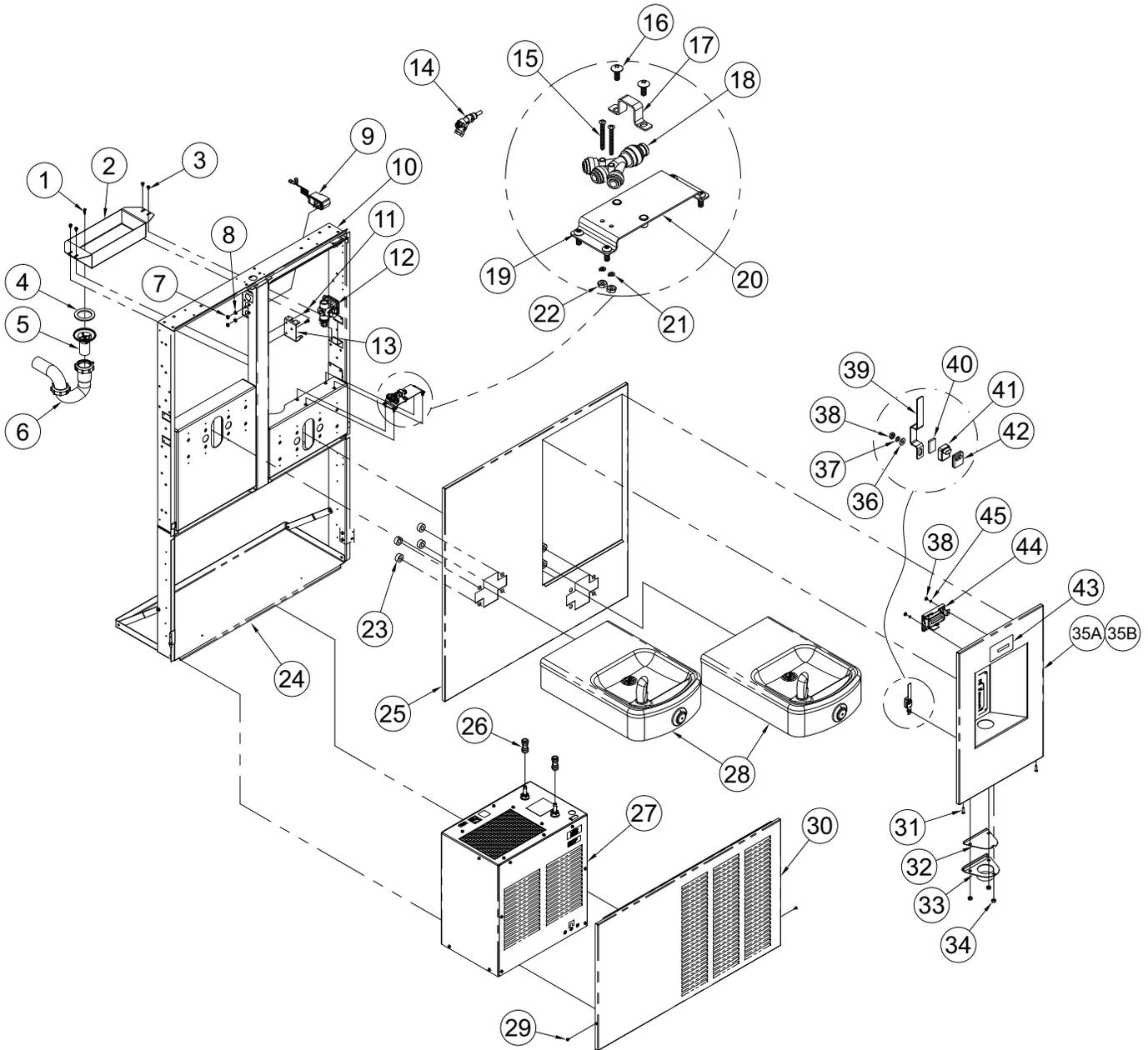


NOTE:
** Flow Restrictor Only Available With Low Flow Bubbler.

| 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.

A152.8-VR-BF4 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.

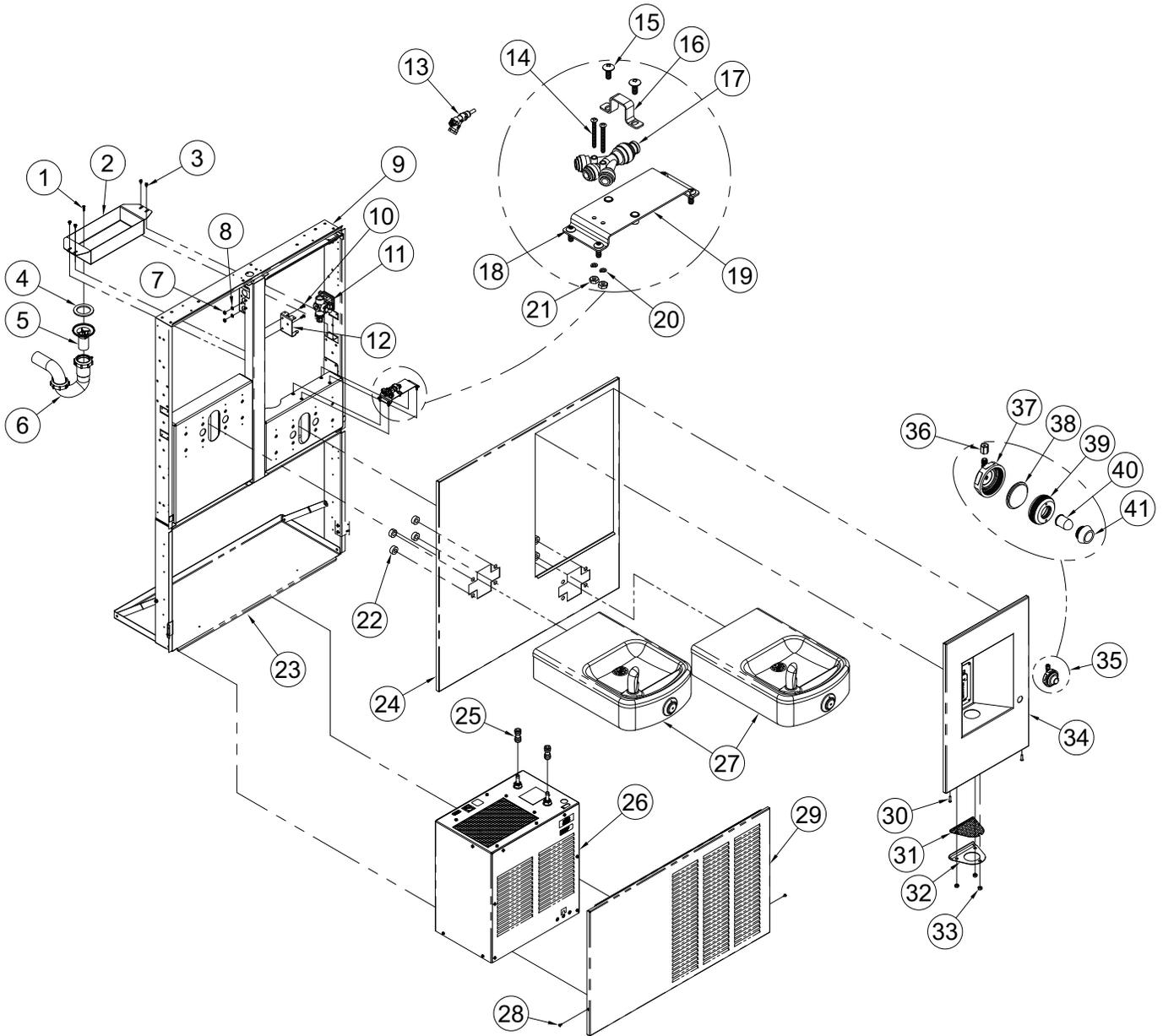
A152.8-VR-BF4 SERIES BREAKDOWN

| 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 18 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 |
| *35A | 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 |
| 37 | 6527-108-000 | #8 Internal Tooth Lockwasher |
| 38 | 0302-003-000 | #8-32 Stainless steel Hex Nut |
| 39 | 7013-014-199 | Nano Sensor Bracket |
| 40 | 7013-019-199 | Foam Tape |
| 41 | 2563-380-001 | Nano Sensor Assembly |
| 42 | 7013-009-001 | Nano Sensor Spacer Assembly |
| *43 | 7013-034-000 | Nameplate, Outdoor Bottle Filler (Green) |
| *44 | 7014-022-001 | BCD, Bottle Filler Counter Bracket Assembly |
| *45 | 0331-003-000 | #8 Helical Spring Lock Washer |

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

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A152.8-VR-BF3 SERIES BREAKDOWN



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A152.8-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 | LH Air-Control Valve Assembly, RBL |
| 12 | 7014-036-199 | Solenoid 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 18 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 | 7013-114-001 | Weldment, Screen Plate, BF |
| 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 | 1895-450-000 | 1/8" O.D. Nylon Compression Nut |
| 37 | 2566-055-199 | Diaphragm Retainer, Side Outlet |
| 38 | 2566-001-000 | Pushbutton Diaphragm |
| 39 | 2566-022-000 | Pushbutton Escutcheon Retainer |
| 40 | 4005-031-199 | Hemispherical Pushbutton |
| 41 | 4005-030-199 | Pushbutton Escutcheon |

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