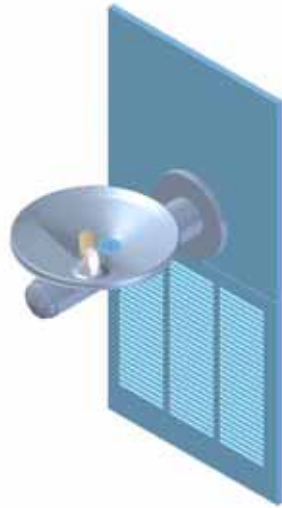




SWIRLFLOTM Refrigerated fountains with **FLEXI-GUARD**TM



INSTALLER

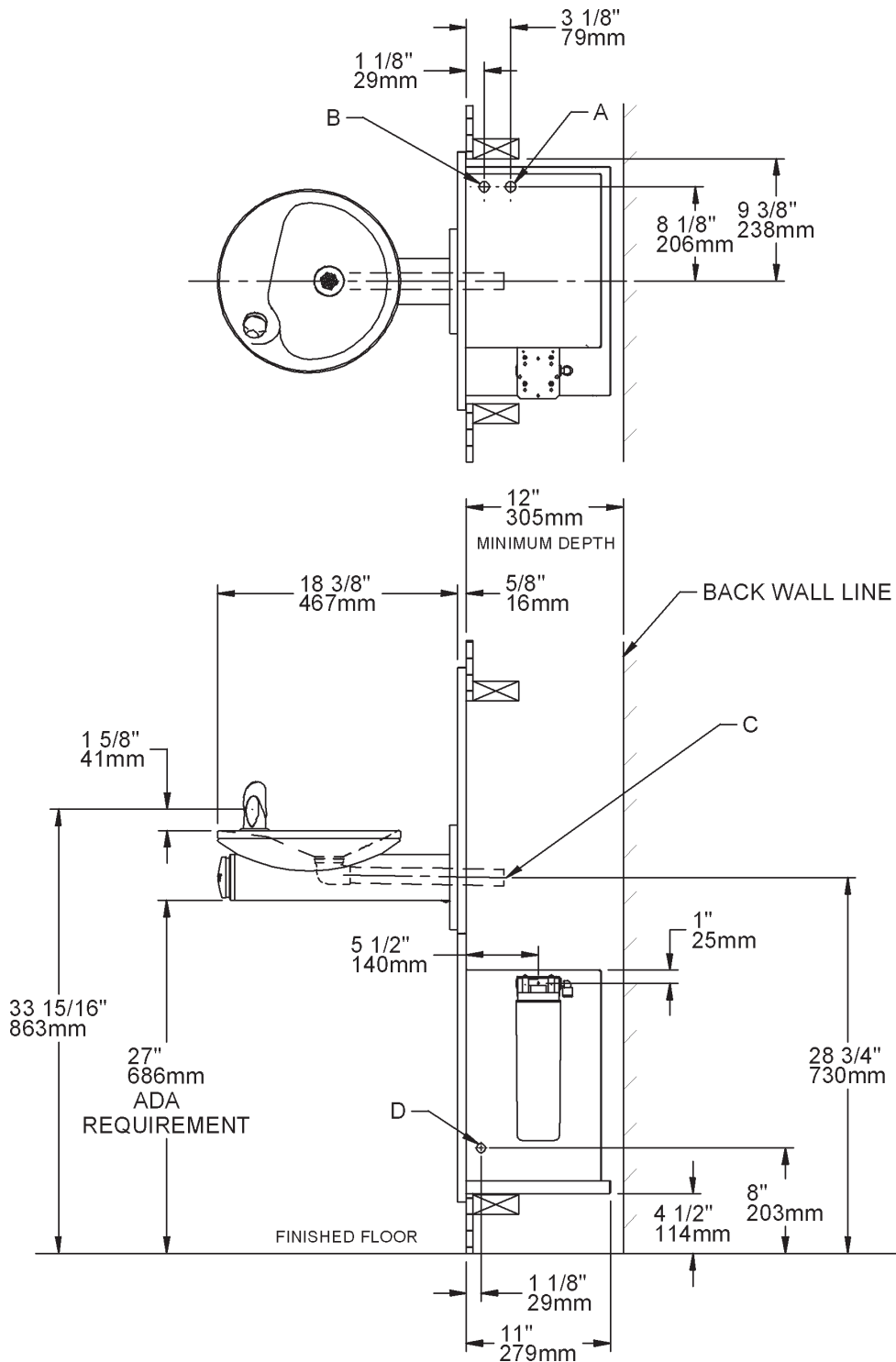
- CAUTION:** Review these instructions before beginning installation. Be sure that installation conforms to all plumbing, electrical and other applicable codes.
- WARNING:** When installation is complete, ensure these instructions are left in the plastic bag provided inside the installed unit for future reference.
- WARNING:** Service to be performed by authorized service personnel only.

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

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

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

Model LRPB8C



LEGEND

- A = 1/4" O.D. Tube - Water Outlet Connection
- B = 3/8" O.D. Tube - Water Inlet Connection
- C = 1-1/4" Waste Tube
- D = ELECTRICAL INLET

Figure 1 - Rough-in Dimensions

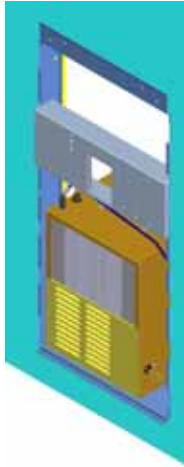


Figure 2 - Chiller Installation

REQUIRED TOOLS AND MATERIALS

These tables show special tools and/or additional materials (not provided) which are necessary to complete installation of these units:

Special Tools

Item	Description	Quantity
	NONE	

Additional Materials

Item	Description	Quantity
1	Unplated copper inlet pipe	
2	Service Stop	

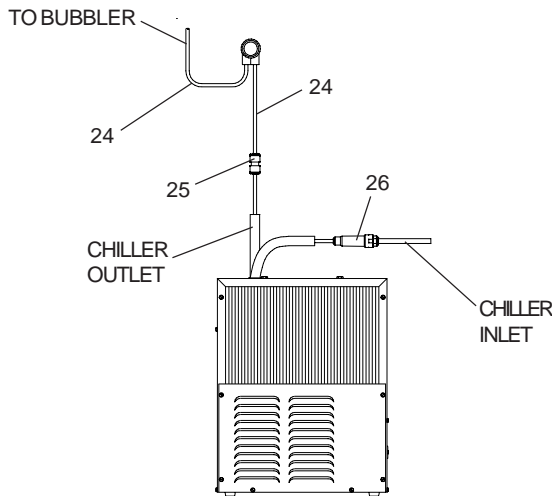


Figure 3 - ERPB Tube Routing

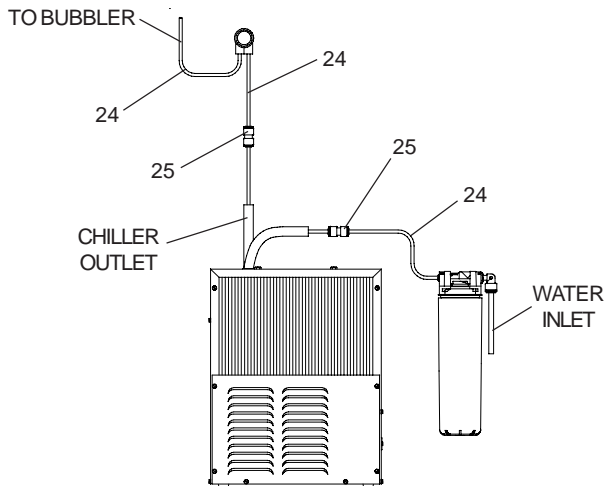


Figure 4 - LRPB Tube Routing

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

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

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

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

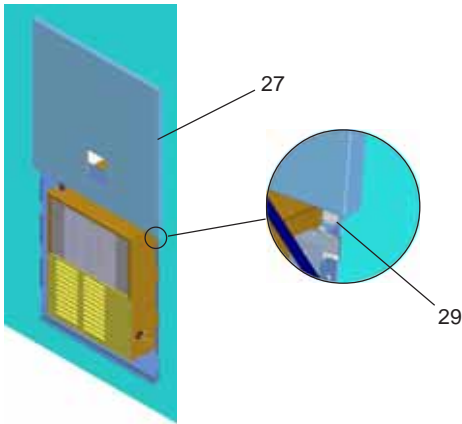
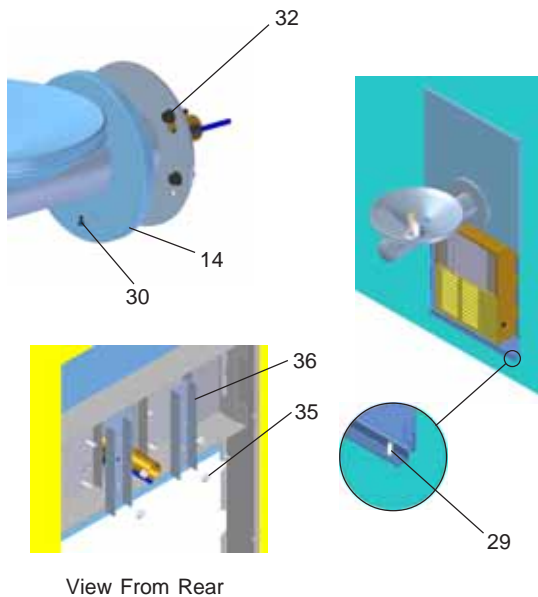


Figure 5 - Upper Panel Installation



View From Rear

Figure 6 - Fountain Installation

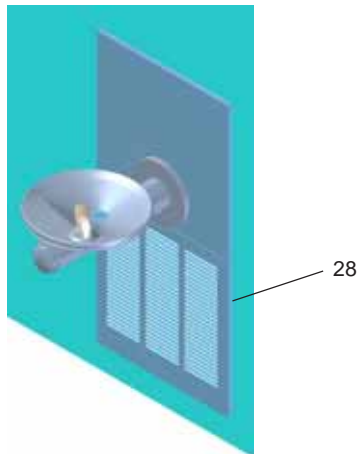


Figure 7 - Lower Panel Installation

5. **Hang** the upper panel on the mounting frame hanger. Be sure that the panel is engaged with hanger at the top of frame before releasing it. Align holes in the panel with holes in the mounting frame. Install two (2) #10-24 x 5/8" (16mm) screws (Item 29 - Figure 5) in holes and tighten securely.
6. **Install** the fountain. Remove the screw (Item 30) from cover plate (Item 14) and slide cover plate toward basin. Mount the fountain to the upper panel and frame with (4) 5/16" x 1" (25mm) long bolts (Item 32), bracket (Item 36) and nuts (Item 35) provided. Tighten securely. **Brackets (Item 36) must be installed as shown to properly support fountain.** (See Figure 6)
7. **Attach waste tube** (1-1/4" O.D.) to 1-1/4" O.D. slip trap (provided by others).
8. **ERP Models:** Make connections between remote chiller outlet tube and fountain. Outlet port is marked on the chiller (1/4" O.D. copper tube). Install a 1/4" x 1/4" union (provided) on the marked chiller outlet port. Insert the 1/4" poly tubing coming from the fountain into the union. Turn on the water supply and check for leaks.

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

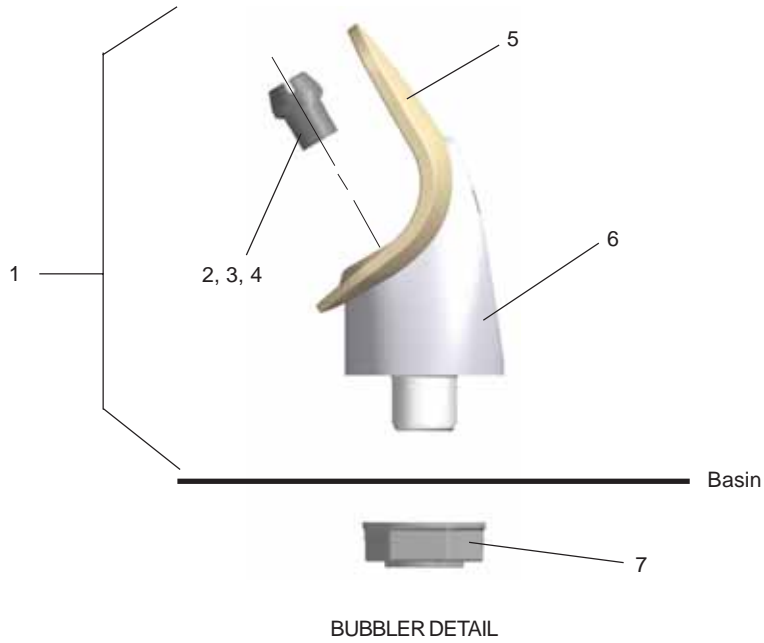
LRPB Models: Make connections between remote chiller outlet tube and fountain. Outlet port is marked on the chiller (1/4" O.D. copper tube). Install a 1/4" x 1/4" union (provided) on the marked chiller outlet port. Insert the 1/4" poly tubing coming from the fountain into the union.

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

9. **These products are designed to operate on 20-105 PSIG supply line pressure.** If inlet pressure is above 105 PSIG, a pressure regulator must be installed in the supply line.

CAUTION: Any damage caused by connecting these products to a supply line with pressure lower than 20 PSIG or higher than 105 PSIG IS NOT covered under warranty.

10. **Make electrical connections to the chiller.** See chiller instructions.
11. **Check stream height from bubbler.** Stream height is factory set at 35 PSI. If supply pressure varies greatly from this, remove push button (Item 17 - Figure 11) and adjust the screw on the regulator (Item 19 - Figure 11). To remove push button, remove set screw from bottom of sleeve (Item 33). Insert a small punch in screw hole and push up while grasping the push button and pull forward removing the push button. Clockwise adjustment will raise stream height and counterclockwise movement will lower stream height. For best adjustment stream should hit basin approximately 6-1/2" from the bubbler. Reassemble push button by pushing in on button until the push button catches in the sleeve. Reinstall the setscrew (Item 33) in the sleeve (Item 15).
12. **Mount lower panel.** Loosen the two (2) #10-24 x 5/8" (16mm) screws (Item 29 - Figure 6) at frame bottom lip. Slide upper tongue of lower panel under lower edge of already installed upper panel. Tighten previously loosened screws securely. (See Figure 7)



NOTE:

When installing replacement bubbler and pedestal, tighten nut (Item 7) only to hold parts snug in position. Do Not Overtighten.

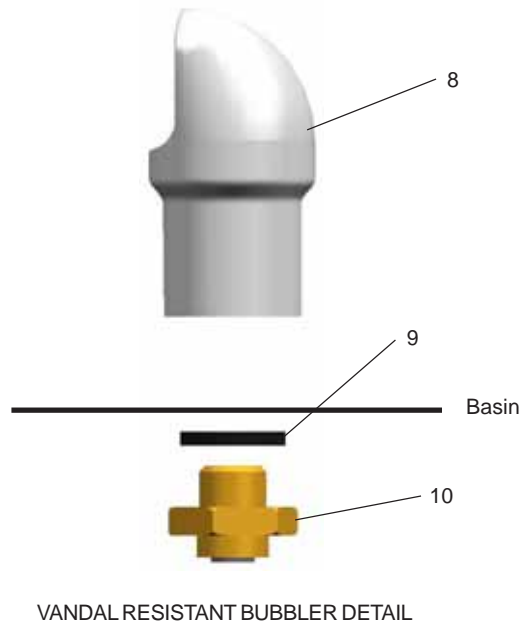


Figure 8 - Bubbler Details

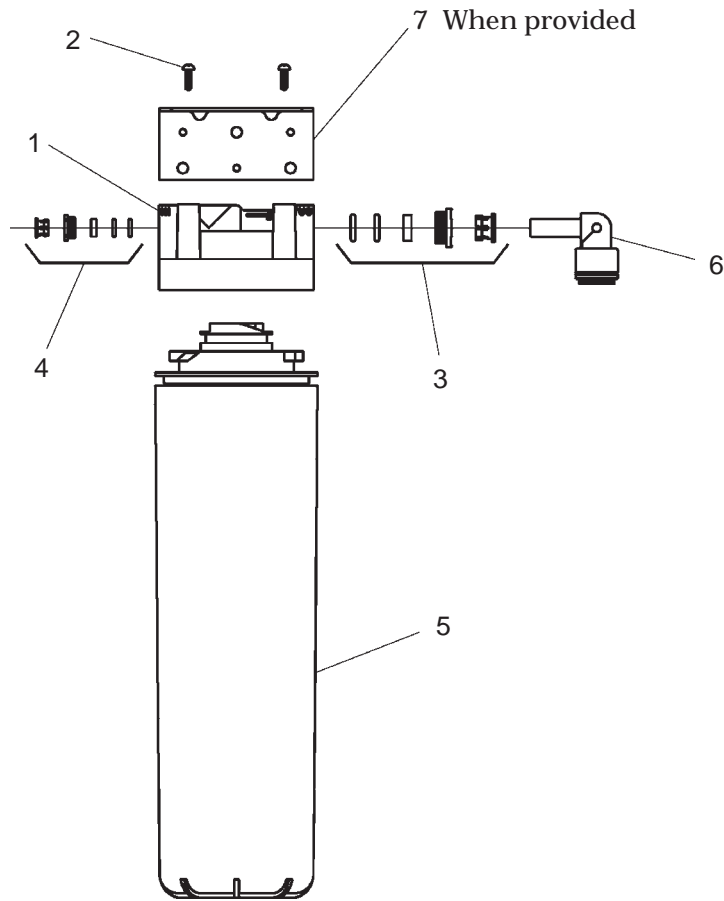


Figure 9 - Filter Assembly

WaterSentry Filter Detail

WATERSENTRY® FILTER PARTS LIST (See Fig. 9)		
ITEMNO.	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	51299C	Filter Assy
6	70818C	Elbow - 3/8" (10mm)
7	22490C	Bracket

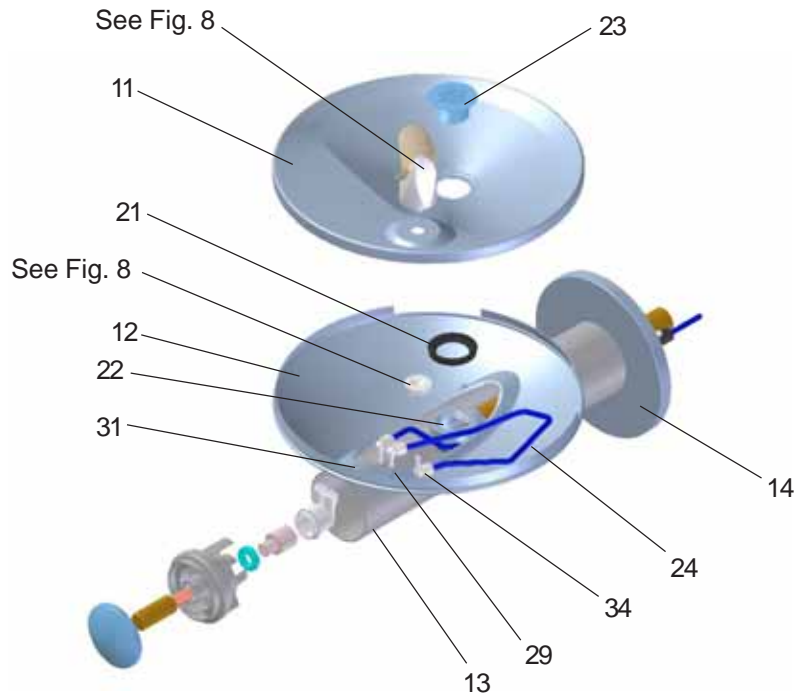


Figure 10 - Fountain Body Assembly

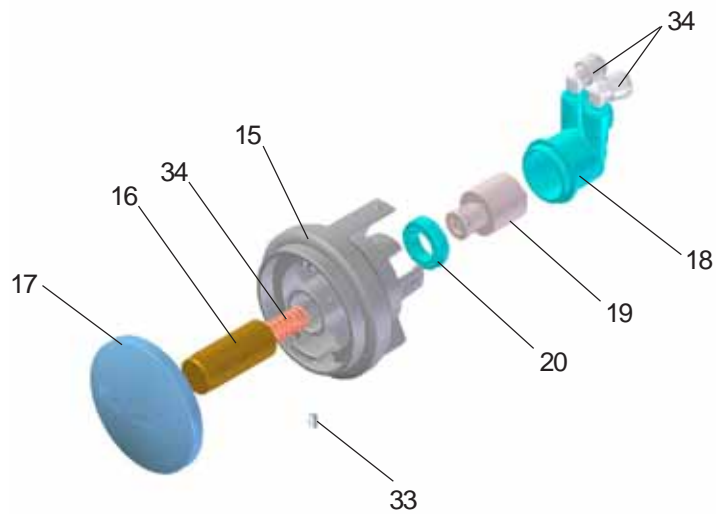


Figure 11 - Push Button Assembly

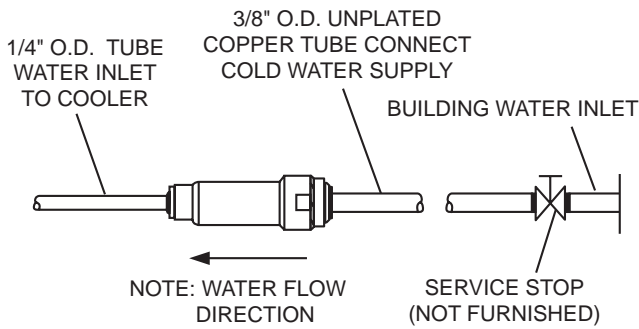


Figure 12 – Water Supply Connections

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, ECH8
- Box No. 3: Fountain Arm and Panels

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

PARTS LIST		
ITEM NO.	PART NO.	DESCRIPTION
1	56073C	Bubbler Assy
2	40319C	Fitting - Orifice
3	50171C	O-Ring
4	50314C	Orifice - Flow Straightener
5	56011C	Housing Assembly
6	55997C	Pedestal
7	75580C	Bubbler Locknut
8	98118C	Bubbler Assembly VR
9	100322740560	Gasket - Black .68 x 1.03 VR
10	15009C	Nipple - Bubbler VR
11	55001132	Basin - Swirlflow
12	55000944	Lower Shell
13	45767C	Fountain Body
14	28343C	Cover Plate
15	45781C	Sleeve
16	45847C	Pin - Push Button
17	45848C	Push Button
18	50986C	Holder - Regulator
19	61313C	Regulator
20	15005C	Retaining Nut
21	56163C	Gasket - Drain
22	45769C	Assy - Drain/Tailpipe
23	45768C	Drain - Plug 1-1/2
24	56092C	Poly Tubing (Cut To Length)
25	70683C	Fitting - Union 1/4 x 1/4
26	55996C	Strainer (Provided With Chiller)
27	28382C	Back Panel
28	26833C	Lower Panel
29	111008343890	Screw - #10-24 x .62 HHMS
30	70432C	Screw - #8-32 x .38 THSM
31	38417001	Screw - #8-18 x .37 HHSM
32	75560C	Screw - 5/16-18 x 1.00 HHMS
33	75632C	Setscrew - #10-32 x .13
34	70817C	Fitting - Elbow 1/4 x 1/4
35	70020C	Nut - Hex 5/16-18
36	28395C	Bracket - Support

TROUBLESHOOTING & MAINTENANCE

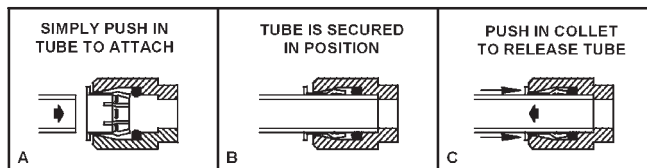
Orifice Assembly: Mineral deposits on orifice can cause water flow to spurt or not regulate. Mineral deposits may be removed from the orifice by poking with a small round file not over 1/8" diameter, or using a small diameter wire.

CAUTION: DO NOT file or cut orifice material.

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

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

OPERATION OF QUICK CONNECT FITTINGS



PUSHING TUBE IN BEFORE PULLING IT OUT HELPS TO RELEASE TUBE

Figure 13 – Quick Connect Fittings