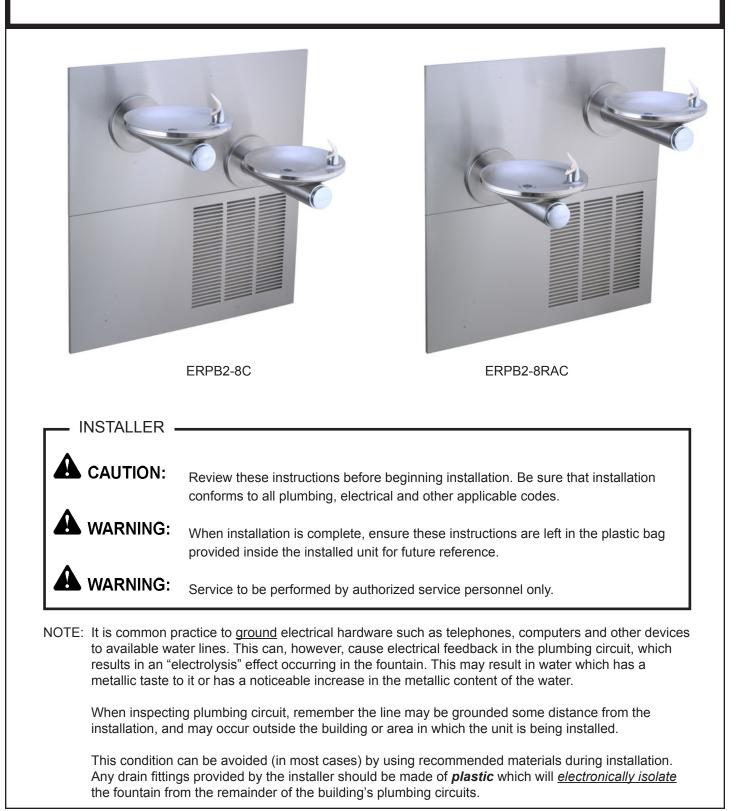
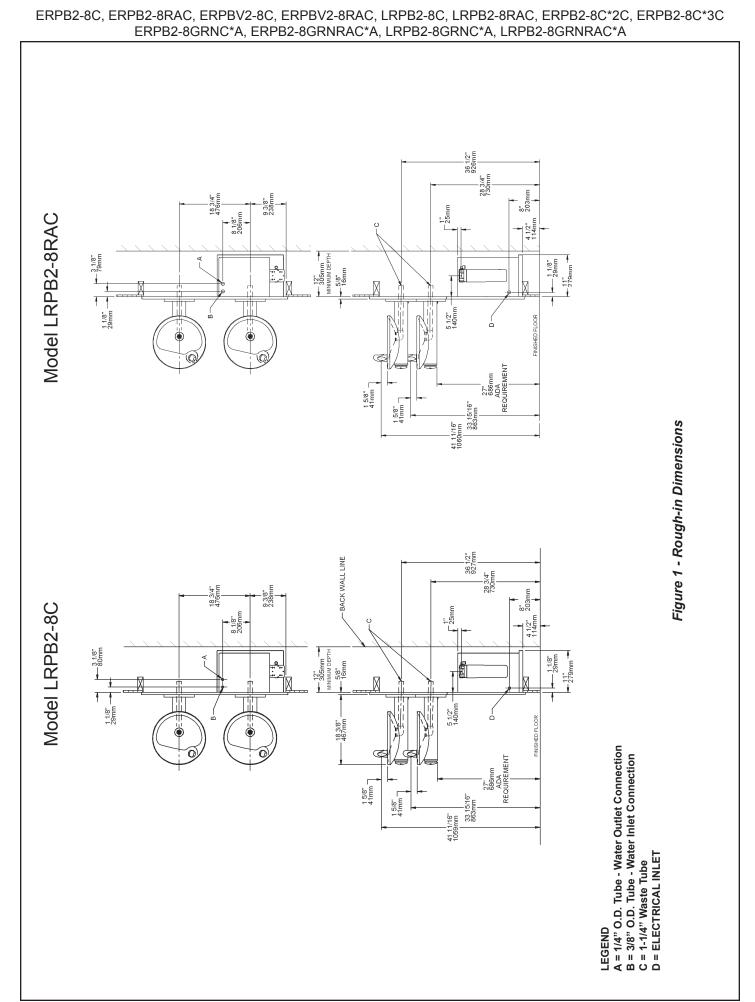
ELKAY_® With FLEXI-GUARD[®]

INSTALLATION & USE MANUAL

SWIRLFLO® Refrigerated fountains with FLEXI-GUARD®





Note: Danger! Electric shock hazard. Disconnect power before servicing unit.

Uses HFC-134A refrigerant

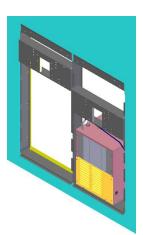


Figure 2 - Chiller Installation

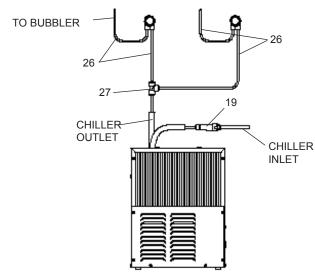
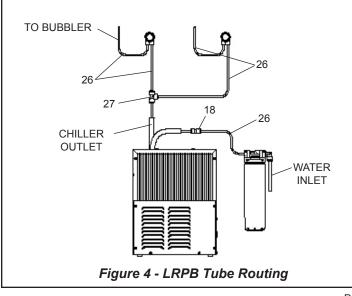


Figure 3 - ERPB Tube Routing



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

	ltem	Description	Quantity	
		NONE		

Additional Materials

ltem	Description	Quantity
1	Unplated copper inlet pipe	
2	Service Stop	

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

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

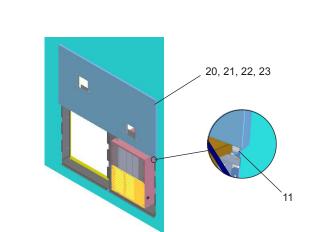
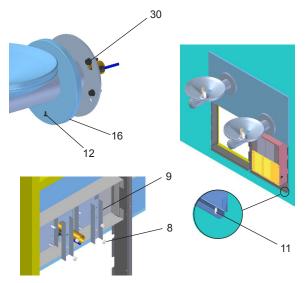


Figure 5 - Upper Panel Installation



View From Rear

Figure 6 - Fountain Installation

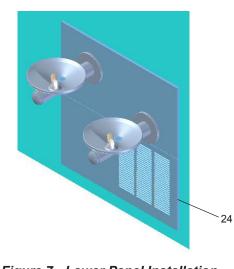
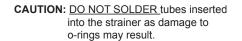


Figure 7 - Lower Panel Installation

- 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 11 Figure 5) in holes and tighten securely.
- Install the fountain. Remove the screw (Item 12) from cover plate and slide cover plate (Item 16) toward basin. Mount the fountain to the upper panel and frame with (4) 5/16" x 1" (25mm) bolts (Item 27), brackets (Item 9) and nuts (Item 8) provided. Tighten securely. Brackets (Item 9) must be installed as shown to properly support fountains. (See Figure 6)
- 7. Attach waste tube (1-1/4" O.D.) to 1-1/4" O.D. slip trap (provided by others).
- 8. ERPB Models: Make connections between remote chiller outlet tube and fountain. Outlet port is marked on the chiller (1/4" O.D. copper tube). Install a 1/4" x 1/4" tee (provided) on the marked chiller outlet port. Insert the 1/4" poly tubing coming from the fountain into the union. Turn on the water supply and check for leaks.

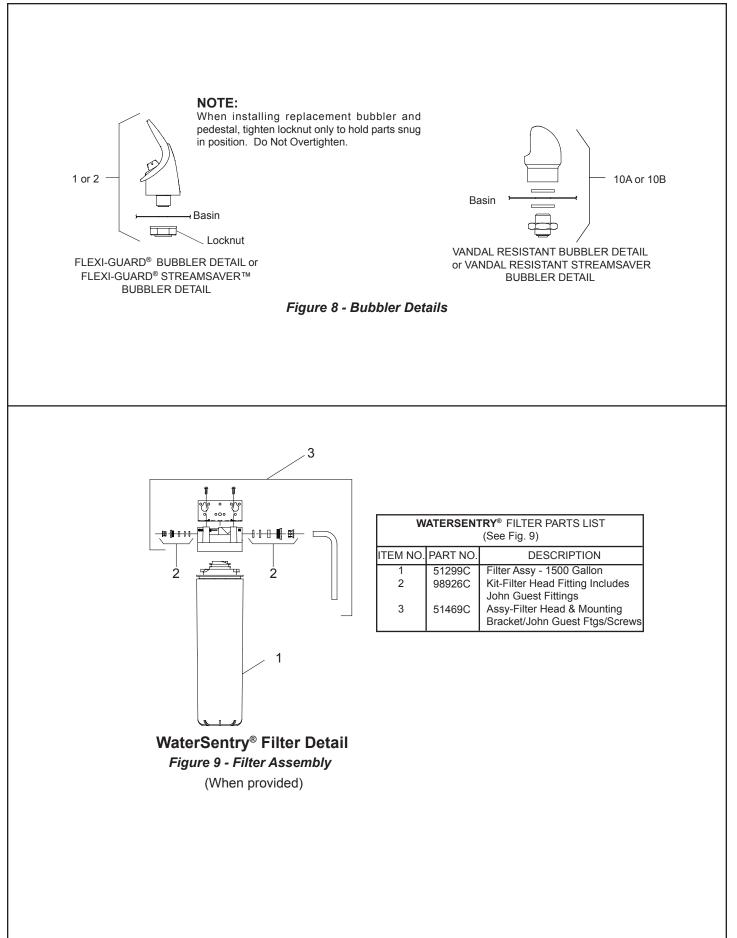


LRPB Models: Make connections between remote chiller outlet tube and fountain. Outlet port is marked on the chiller (1/4" O.D. copper tube). Install a 1/4" x 1/4" tee (provided) on the marked chiller outlet port. Insert the 1/4" poly tubing coming from the fountain into the union.

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

- 9. These products are designed to operate on 20-105 PSI supply line pressure. If inlet pressure is above 105 PSI, 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 PSI or higher than 105 PSI <u>IS NOT</u> 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 3 Figure 11) and adjust the screw on the regulator (Item 4 Figure 11). To remove push button, remove set screw from bottom of sleeve (Item 6). 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 6) in the sleeve (Item 17).
- 12. Mount lower panel. Loosen the three (3) #10-24 x 5/8" (16mm) screws (Item 11 - 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)

ERPB2-8C, ERPB2-8RAC, ERPBV2-8C, ERPBV2-8RAC, LRPB2-8C, LRPB2-8RAC, ERPB2-8C*2C, ERPB2-8C*3C ERPB2-8GRNC*A, ERPB2-8GRNRAC*A, LRPB2-8GRNC*A, LRPB2-8GRNRAC*A



ERPB2-8C, ERPB2-8RAC, ERPBV2-8C, ERPBV2-8RAC, LRPB2-8C, LRPB2-8RAC, ERPB2-8C*2C, ERPB2-8C*3C ERPB2-8GRNC*A, ERPB2-8GRNRAC*A, LRPB2-8GRNC*A, LRPB2-8GRNRAC*A

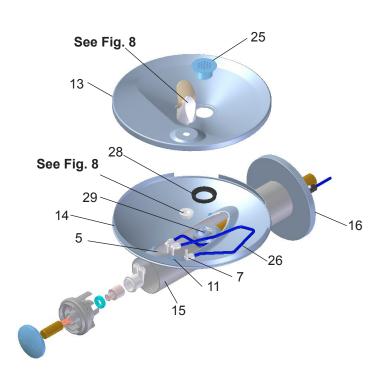


Figure 10 - Fountain Body Assembly

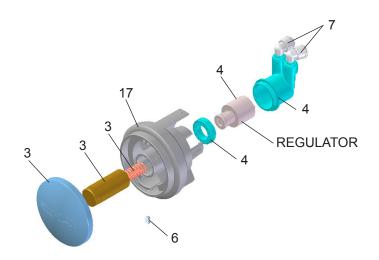


Figure 11 - Push Button Assembly

1/4" O.D. TUBE WATER INLET	3/8" O.D. UNPL COPPER TUBE C COLD WATER S	ONNECT
TO COOLER	\	BUILDING WATER INLET
	◄	/
NOTI	E: WATER FLOW	SERVICE STOP
	DIRECTION	(NOT FURNISHED)

Figure 12 – Water Supply Connections

	PARTS LIST				
ITEM NO.	PART NO.	DESCRIPTION			
1	56073C	Bubbler Assy			
2	98501C	Bubbler Assy (Stream Saver)			
3	98871C	Kit - Push Button/Spring/Washer			
4	98530C	Kit - Regulator/Holder/Nut			
5	38417001	Screw - #8-18 x .37 HHSM			
6	75632C	Setscrew - #10-32 x .38			
7	70817C	Fttng - Elbow 1/4 x 1/4			
8	70020C	Nut - Hex 5/16-18			
9	28395C	Bracket - Support			
10A	97446C	Bubbler Assembly VR			
10B	98481C	Bubbler Assy. VR StreamSaver			
11	111008343890	Screw - #10-24 x .62 HHSM			
12	70432C	Screw - #8-32 x .38 THSM			
13	28708C	Basin - Swirlflow			
14	28473C	Lower Shell			
15	45767C	Fountain Body			
16	28343C	Cover Plate			
17	45781C	Sleeve			
18	1000002162	Kit - Union 1/4" x 1/4" (3 Pack)			
19	55996C	Strainer (Provided with Chiller)			
20	28383C	Back Panel RH ADA			
21	28384C	Back Panel LH ADA			
22	1000003513	Back Panel RH ADA (Green Spec)			
23	1000003514	Back Panel LH ADA (Green Spec)			
24	27026C	Lower Panel			
25	45768C	Drain - Plug 1-1/2"			
26 27	56092C	Poly Tubing (Cut To Length)			
	1000001994	Kit - Tee - 1/4" (3 Pack)			
28 29	56163C	Gasket - Drain			
29 30	0000000930 75560C	Assy - Drain/Tailpipe Screw - 5/16-18 x 1.00 HHMS			
30	755000	SCIEW - 5/10-10 X 1.00 HHIVIS			

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.

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.

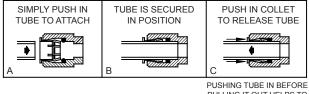
CAUTION: DO NOT file or cut orifice material.

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



PULLING IT OUT HELPS TO RELEASE TUBE

Figure 13 – Quick Connect Fittings

FOR PARTS, CONTACT YOUR LOCAL DISTRIBUTOR OR CALL 1.800.834.4816 REPAIR SERVICE INFORMATION TOLL FREE NUMBER 1.800.260.6640

ELKAY MANUFACTURING COMPANY • 2222 CAMDEN COURT • OAK BROOK, IL 60523 • 630.574.8484 • www.elkay.com