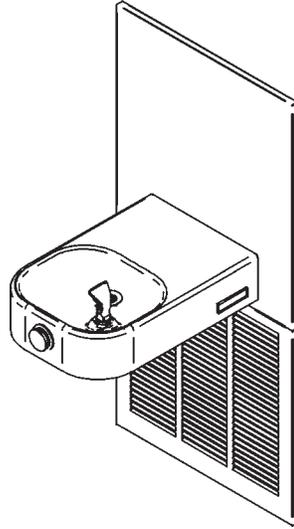


# Halsey Taylor Owners Manual

## Refrigerated Fountain with Back Panel



HCRF - ER

### Installer

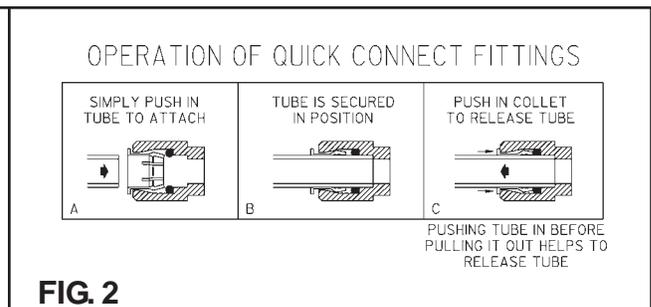
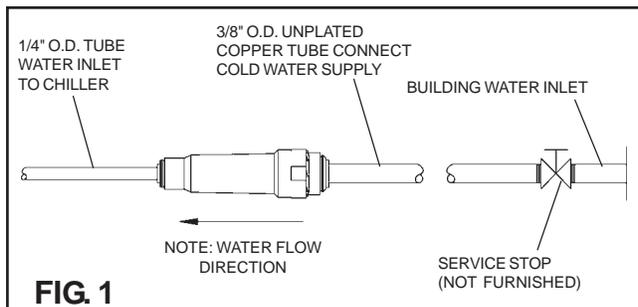
To assure you install this model easily and correctly, PLEASE READ THESE SIMPLE INSTRUCTIONS BEFORE STARTING THE INSTALLATION. CHECK YOUR INSTALLATION FOR COMPLIANCE WITH PLUMBING, ELECTRICAL AND OTHER APPLICABLE CODES. After installation, leave these instructions inside the fountain for future reference.

### IMPORTANT

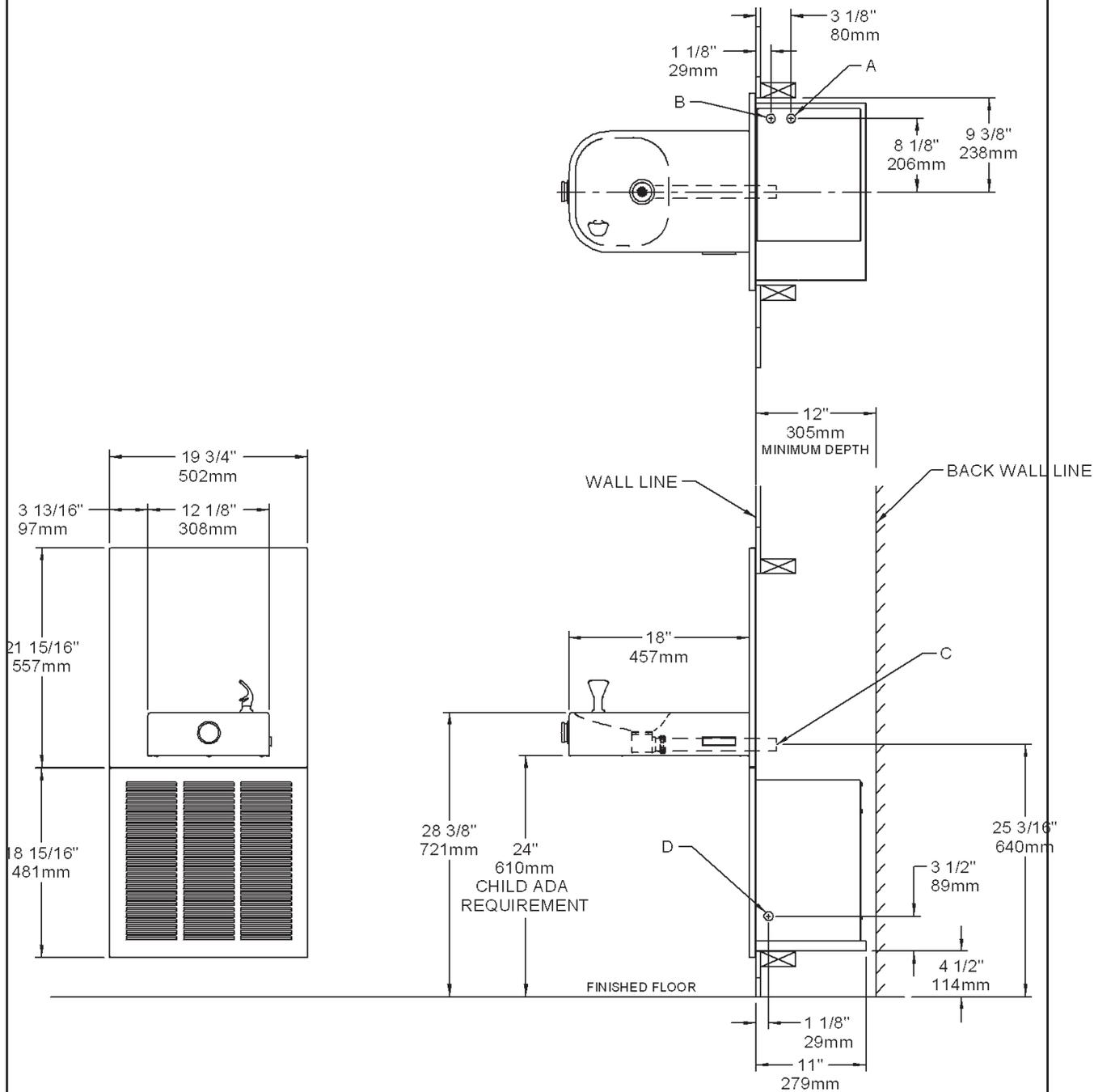
ALL SERVICE TO BE PERFORMED BY AN AUTHORIZED SERVICE PERSON

### IMPORTANT! INSTALLER PLEASE NOTE.

THE GROUNDING OF ELECTRICAL EQUIPMENT SUCH AS TELEPHONE, COMPUTERS, ETC. TO WATER LINES IS A COMMON PROCEDURE. THIS GROUNDING MAY BE IN THE BUILDING OR MAY OCCUR AWAY FROM THE BUILDING. THIS GROUNDING CAN CAUSE ELECTRICAL FEEDBACK INTO A FOUNTAIN, CREATING AN ELECTROLYSIS WHICH CAUSES A METALLIC TASTE OR AN INCREASE IN THE METAL CONTENT OF THE WATER. THIS CONDITION IS AVOIDABLE BY USING THE PROPER MATERIALS AS INDICATED. ANY DRAIN FITTINGS PROVIDED BY THE INSTALLER SHOULD BE MADE OF PLASTIC TO ELECTRICALLY ISOLATE THE FOUNTAIN FROM THE BUILDING PLUMBING SYSTEM.



HCRF-ER ROUGH-IN



**LEGEND:**

- A = 1/4" O.D. TUBE - WATER OUTLET CONNECTION**
- B = 3/8" O.D. TUBE - WATER INLET CONNECTION**
- C = 1-1/4" O.D. WASTE TUBE**
- D = ELECTRICAL INLET ON CHILLER**

**FIG. 3**

### HCRF - ER COOLER INSTALLATION

1. Install remote chiller. Remove front panel of chiller. **Remove and discard cardboard inner pack from between compressor and side panel.** Slide chiller onto the shelf and position it to the left within the guides on the shelf.  
NOTE: Building construction must allow for adequate air flow on both sides, top, and back of chiller. A minimum of 4" (102mm) on both sides and top are required. See chiller instructions for additional instructions.
2. Make water supply connections. The 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 in until it reaches a positive stop, approximately 3/4" (19mm) on the marked chiller inlet port. Attach an unplated and deburred copper water inlet line and a service stop (not provided) to the in-line strainer. Turn on the water supply and flush the line thoroughly. **DO NOT SOLDER TUBES WHILE INSERTED INTO THE STRAINER AS DAMAGE TO THE O-RINGS MAY RESULT.** (See Fig. 4)
3. Hang the upper panel on the mounting frame hanger. Align holes in the panel with the holes in the mounting frame.  
Be sure that panel is engaged with hanger at top of frame before releasing it.
4. Install the fountain. Remove access cover plate on underside of fountain and save the screws. Mount the fountain to the upper panel and the wall frame with (4) 5/16" x 3/4" (19mm) long bolts and nuts (provided). Tighten securely.
5. Insert waste tube (provided) into drain on fountain. Attach waste tube (1 1/4" O.D.) to 1 1/4" O.D. slip trap (provided by others).
6. 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" 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. **DO NOT SOLDER TUBES WHILE INSERTED INTO THE UNION AS DAMAGE TO THE O-RINGS MAY RESULT.** (See Fig. 4)
7. 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. Any damage caused by reason of connecting these products to supply line pressures lower than 20 PSIG or higher than 105 PSIG is not covered by warranty.
8. Make electrical connections to the chiller. See chiller instructions.
9. Check stream height from bubbler. Stream height is factory set at 35-40 PSI. If supply pressure varies greatly from this, remove items 3 & 4 and adjust the screw on regulator (Item 8). Clockwise adjustment will raise stream height and counter-clockwise will lower stream height. For best adjustment stream height should be approximately 1 1/2" (38mm) above the bubbler guard. (See Figure 6)
10. Mount lower panel. Loosen the (2) #10-24 x 5/8" (16mm) screws at frame bottom lip. Slide upper tongue of lower panel under lower edge of already installed upper panel. Tighten previously loosened screws securely.
11. Replace bottom access panel to fountain basin using screws provided. Tighten securely.

### TROUBLE SHOOTING AND MAINTENANCE

1. **Orifice Assy:** Mineral deposits on orifice can cause water flow to spurt or not regulate. Mineral deposits may be removed from orifice with a small round file not over 1/8" diameter or a small diameter wire.  
**CAUTION:** Do not file or cut orifice materials.
2. **Stream Regulator:** If orifice is clean, regulate flow as in "START UP" instructions. If replacement is necessary, see parts list for correct regulator part number.
3. **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 Fig. 2) To insert tubing, push tube straight into the fitting until it reaches a positive stop, approximately 3/4".

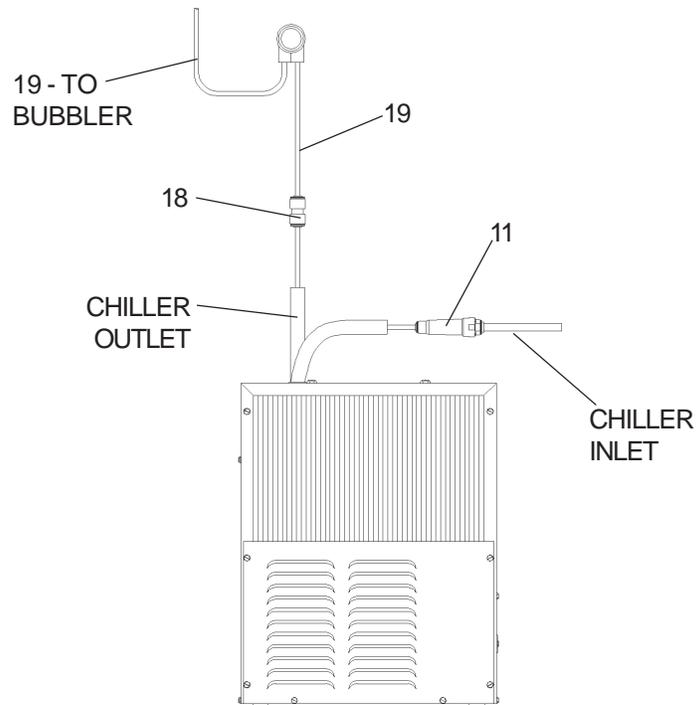


FIG. 4

HCRFERQ - B

PARTS LIST		
ITEM NO.	PARTNO.	DESCRIPTION
1	40575C	Strainer
2	15005C	Retaining Nut
3	45662C	Push Button
4	45737C	Push Button Sleeve
5	50986C	Regulator Holder
6	51544C	Bubbler
7	56159C	Bubbler Nipple Assy
8	61313C	Regulator
9	70022C	Set screw - #6-32 x .31"
10	112627543890	Screw - #10-24 X .50 PHTC
11	55996C	Strainer
12	55001130	Fountain Arm
13	55000665	Bottom Cover Plate
14	28280C	Back Panel
15	40045C	Hex Nut
16	28291C	Regulator Mounting Bracket
17	28281C	Lower Panel
18	70683C	Union - 1/4
19	56092C	Poly Tubing (Cut To Length)
20	45769C	Drain - Tail Pipe
21	45805C	Drain Adapter
22	50074C	Gasket - Tail Pipe
23	100322740560	Gasket
24	45736C	Nut-Regulator Mounting
25	70023C	Set screw - #6-32 x .12"
26	56280C	Edge Trim
NS	111577243890	Screw - Mach 5/16-18 x 3/4
NS	111577343890	Nut - Hex 5/16-18

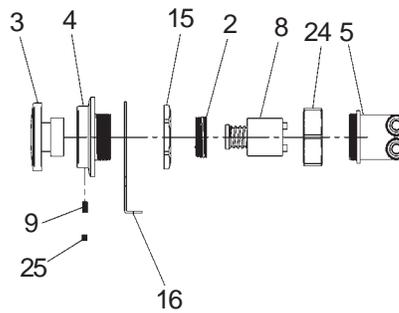


FIG. 5

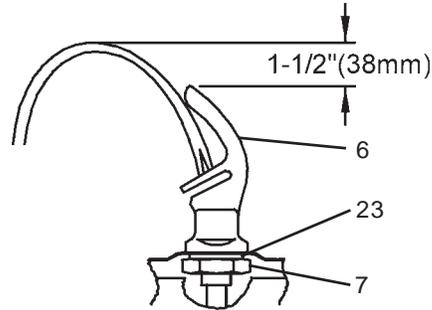


FIG. 6

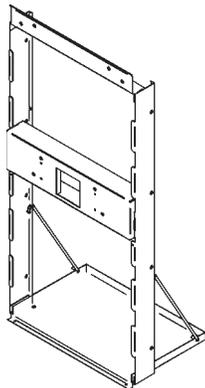


FIG. 8

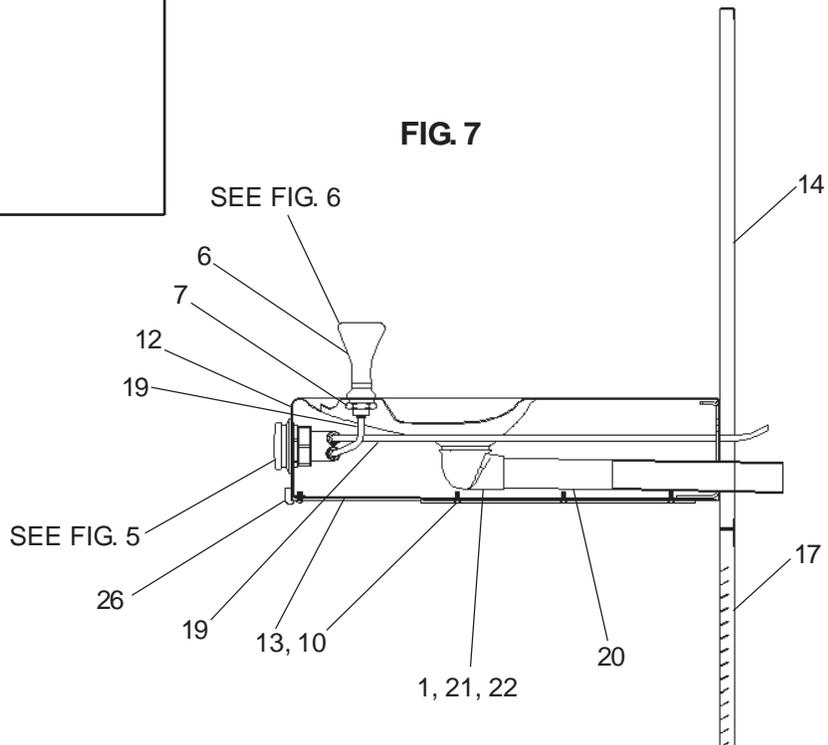


FIG. 7

**Halsey Taylor**  
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