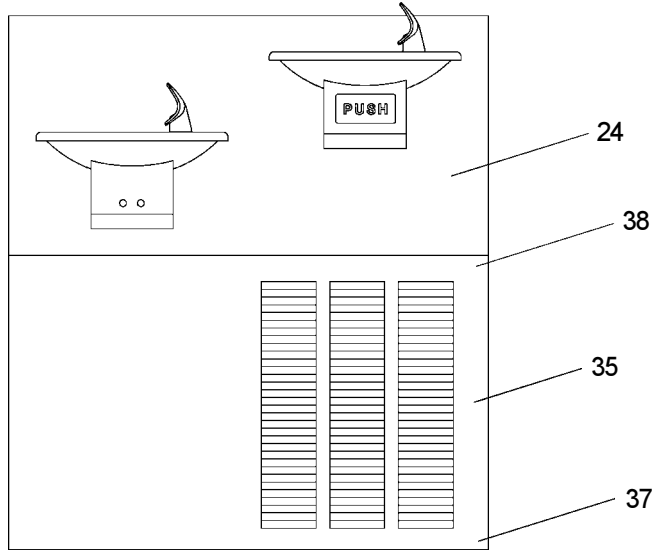


Installation/Care/Use Manual

SwirlFlo® Refrigerated Fountains with FLEXI-GUARD®



Installer

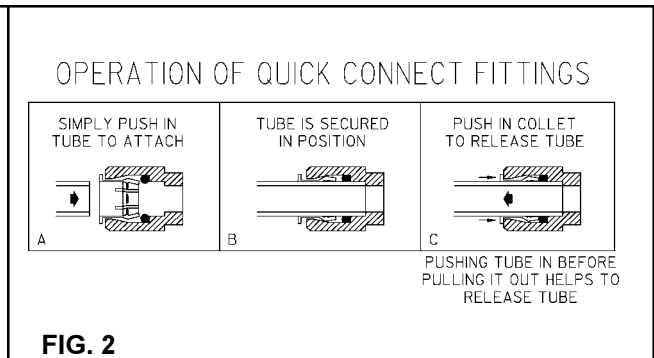
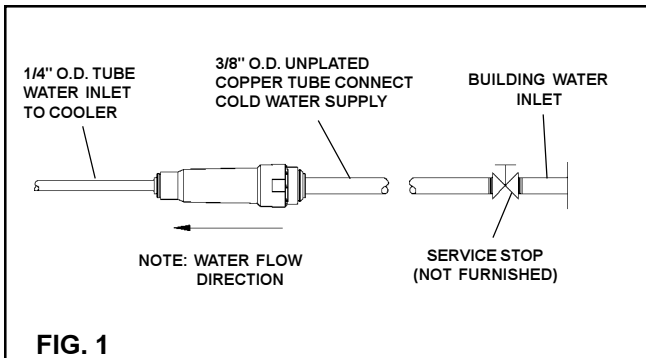
To assure you install this model easily and correctly, PLEASE READ THESE SIMPLE INSTRUCTIONS BEFORE STARTING THE INSTALLATION. CHECK YOUR INSTALLATION FOR COMPLIANCE WITH PLUMBING, ELECTRICAL AND OTHER APPLICABLE CODES. After installation, leave these instructions inside the fountain for future reference.

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.



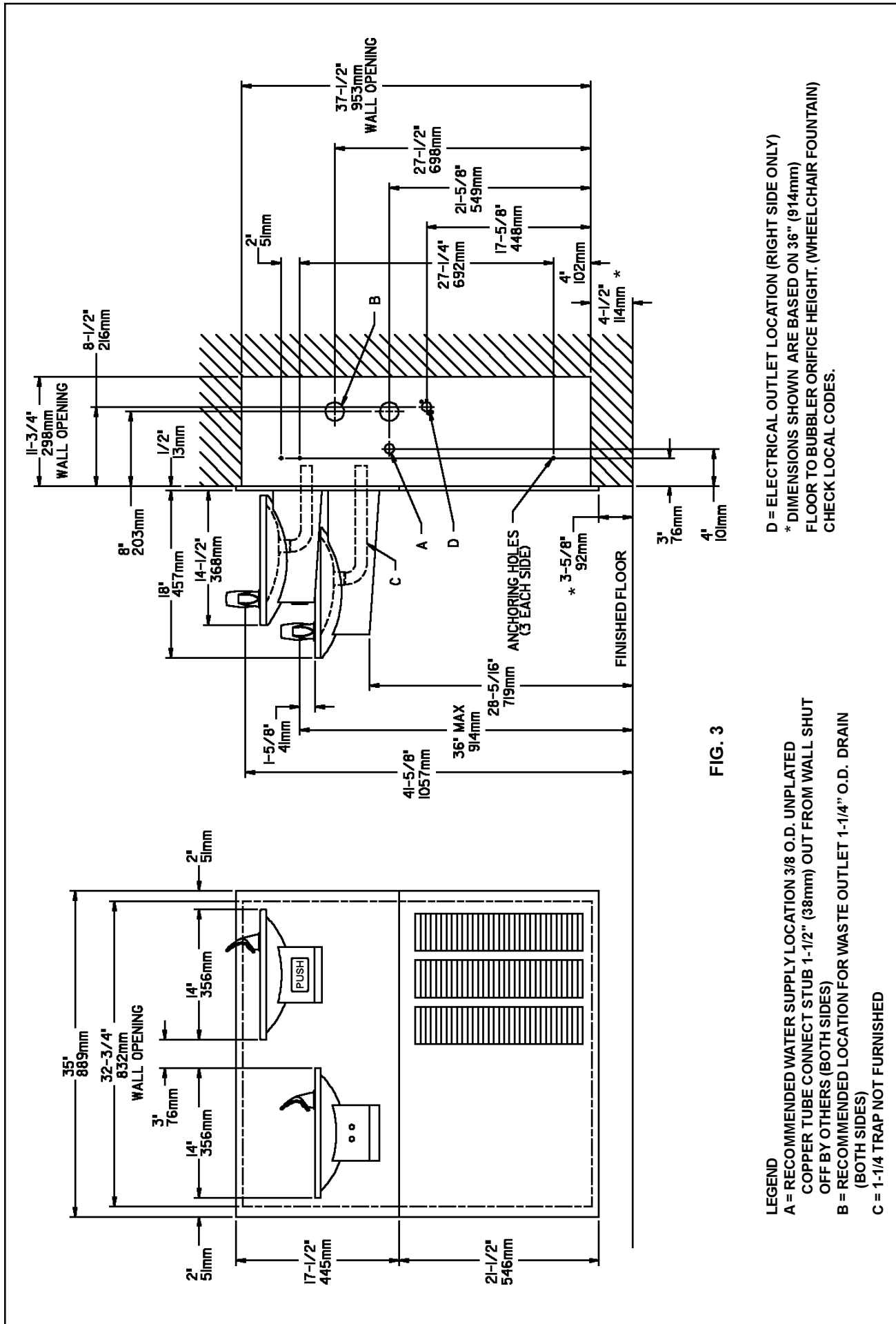


FIG. 3

D = ELECTRICAL OUTLET LOCATION (RIGHT SIDE ONLY)
 * DIMENSIONS SHOWN ARE BASED ON 36" (914mm) FLOOR TO BUBBLER ORIFICE HEIGHT. (WHEELCHAIR FOUNTAIN) CHECK LOCAL CODES.

LEGEND
 A = RECOMMENDED WATER SUPPLY LOCATION 3/8 O.D. UNPLATED COPPER TUBE CONNECT STUB 1-1/2" (38mm) OUT FROM WALL SHUT OFF BY OTHERS (BOTH SIDES)
 B = RECOMMENDED LOCATION FOR WASTE OUTLET 1-1/4" O.D. DRAIN (BOTH SIDES)
 C = 1-1/4 TRAP NOT FURNISHED

INSTALLATION INSTRUCTIONS

1. **Fasten mounting box** into wall cutout using (6) screws or bolts (provided by others) through holes or knockouts provided on each side of the mounting box. See mounting box instructions and figure 3.
2. **Mount back panel** using (2) #8 x .50" (13mm) pan head screws and (2) large clips provided.
3. **Secure fountain body** through back panel to wall box using (4) 5/16" -18 x 1.75" (44mm) hex head bolts and (4) 5/16" - 18 nuts provided. (Typical each fountain).
4. **Attach solenoid valve assembly** to the mounting box. See figure 10.
5. **Place refrigeration package inside mounting box** and connect water outlet tube on refrigeration package to water in tube on regulator holder (item 10) with tubing and fitting provided. See figure 4.
6. **Water inlet is 3/8" O.D. and waste tube is 1-1/4" O.D.** (Both provided) 1-1/4" O.D. slip trap (provided by others).
7. **Connecting lines to be unplated copper and thoroughly flushed** to remove all foreign matter before connecting to refrigeration package. The furnished strainer (Item 54) should be added to the supply line.
8. **Connect refrigeration package to supply line** with a shut off valve and install a 3/8" unplated copper water line between the valve and the cooler. Remove burrs from outside of water line. Insert water line straight into fittings until they reach a positive stop, approximately 3/4" (19mm). (See Fig. 1 and 2) **DO NOT SOLDER TUBES INSERTED INTO THE STRAINER AS DAMAGE TO THE O-RINGS MAY RESULT.**
9. **Electrical: Insure power supply is identical in voltage, hertz, and phase** to that specified on the refrigeration package serial plate. Never wire compressor directly to the power supply.
10. **Turn water supply on** and check thoroughly for leaks.
11. **Release air from tank** by depressing push bar or activating sensor; a steady stream of water assures all air is removed.
12. **Re-check for leaks.**
13. **Stream height is factory set at 35 PSI.** If supply pressure varies greatly from this, turn adjustment screw on regulator (item 12). Clockwise adjustment will raise the stream height and counter-clockwise adjustment will lower stream height. For best adjustment, stream should hit basin approximately 6-1/2" from the bubbler.
14. **Rotate fan blade on refrigeration package** to insure proper clearance and free fan action.
15. **Connect power supply.**
16. **Replace access panel and install grill** using (4) #8 x 1.00" (25mm) PH screws and (4) small clips provided.

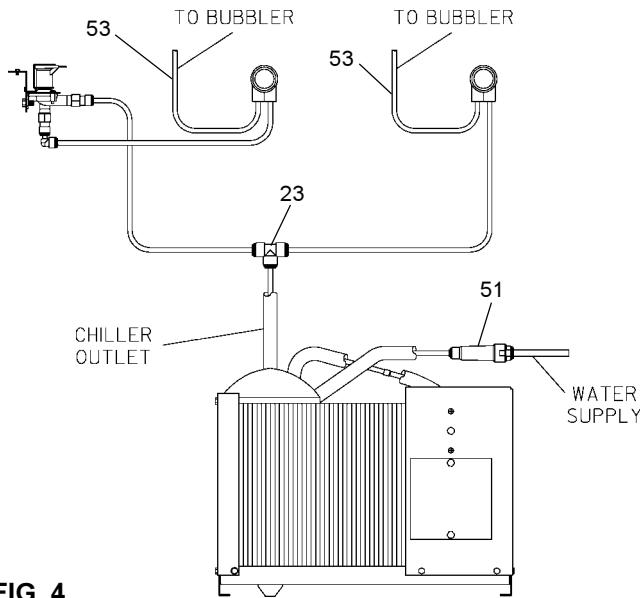


FIG. 4

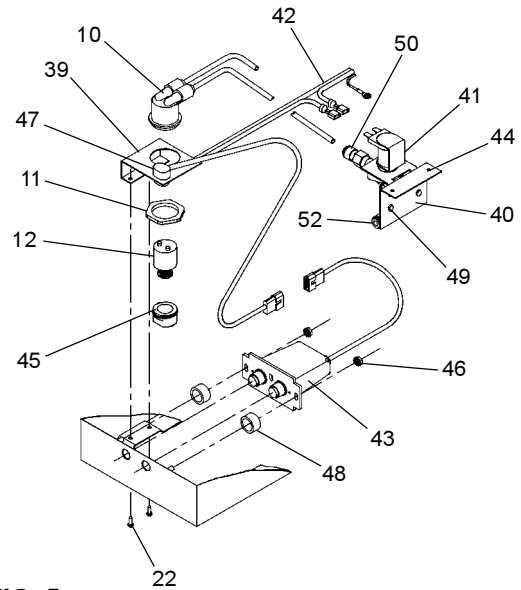


FIG. 5

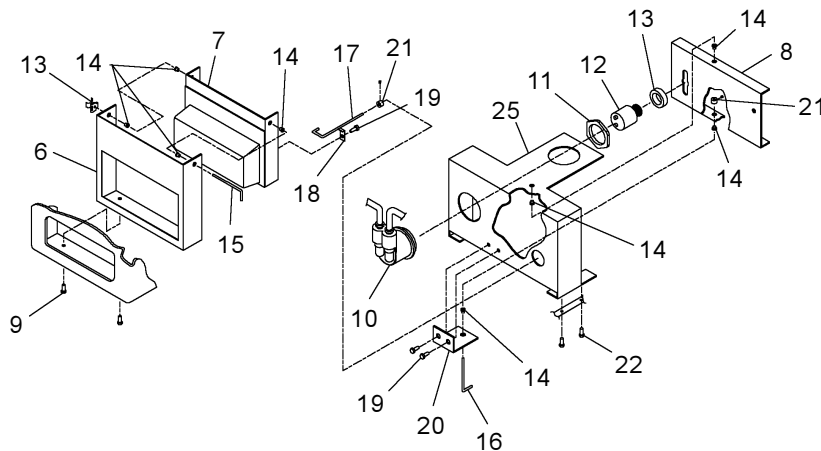
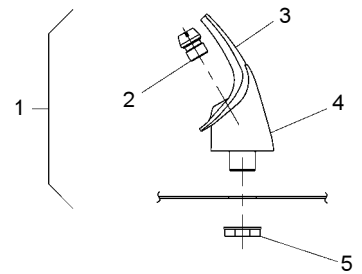


FIG. 6



NOTE: WHEN INSTALLING REPLACEMENT BUBBLER AND PEDESTAL, TIGHTEN NUT (ITEM 5) ONLY TO HOLD PARTS SNUG IN POSITION. DO NOT OVER TIGHTEN.

FIG. 7

| PARTS LIST | | |
|------------|----------|-------------------------------|
| ITEM NO. | PARTNO. | DESCRIPTION |
| 1 | 51349C | BUBBLER ASSY |
| 2 | 40322C | ORIFICE ASSY |
| 3 | 50934C | HOUSING ASSY |
| 4 | 50168C | PEDESTAL |
| 5 | 75580C | BUBBLER LOCKNUT |
| 6 | 21804C | PUSH BAR MOUNTING BRACKET |
| 7 | 21810C | PUSH BAR ASSY |
| 8 | 21806C | REGULATOR ACTIVATOR ARM |
| 9 | 70426C | SCREW - #8-32 X .25 THMS |
| 10 | 50986C | HOLDER - REGULATOR |
| 11 | 40045C | HEX NUT |
| 12 | 61313C | REGULATOR |
| 13 | 75555C | CLIP |
| 14 | 50198C | BUSHING - NYLON |
| 15 | 70410C | ROD - PIVOT |
| 16 | 70425C | ROD - PIVOT |
| 17 | 70378C | ROD - PUSH |
| 18 | 21705C | CLIP - PUSH ROD |
| 19 | 70002C | SCREW #10 X .50 HHSM |
| 20 | 21844C | PIVOT ROD BRACKET |
| 21 | 40206000 | RETAINER |
| 22 | 70208C | SCREW #10-24 X .37 PHTC |
| 23 | 70682C | TEE - 1/4 |
| 24 | 55000943 | BACK PANEL ASSY |
| 25 | 21803C | REGULATOR MOUNTING BRACKET |
| 26 | 45336C | STRAINER & FERRULE ASSY |
| 27 | 50074C | GASKET - TAILPIPE |
| 28 | 50377C | GASKET - TAILPIPE |
| 29 | 45330C | WASTE ARM |
| 30 | 55001026 | BASIN SWIRLFLOW |
| 31 | 21822C | FTN BODY & SHELL-SHORT |
| 32 | 22535C | FTN BODY & SHELL-LONG |
| 33 | 21845C | COVER PLATE-SHORT |
| 34 | 21846C | COVER PLATE-LONG |
| 35 | EG9 | GRILL |
| 36 | 70055C | SPEED NUT |
| 37 | 74070032 | SPEED NUT #8 |
| 38 | 74130045 | CLIP - TINNEMAN |
| 39 | 22525C | REGULATOR MOUNTING BRACKET |
| 40 | 22526C | SOLENOID MOUNTING BRACKET |
| 41 | 31272C | SOLENOID VALVE ASSY |
| 42 | 31376C | POWER CORD |
| 43 | 31384C | SENSOR ASSY |
| 44 | 38417001 | SCREW - #8-18 X .37 HHSM |
| 45 | 56082C | NUT - REGULATOR |
| 46 | 70016C | HEX NUT #10-32 |
| 47 | 50203C | STRAIN RELIEF |
| 48 | 51409C | SPACER - 1/2 X .44 |
| 49 | 70256C | SCREW - 1/4-20 X .38 HHTC |
| 50 | 75507C | FITTING - 1/4 NPTF X 1/4 O.D. |
| 51 | 55996C | STRAINER |
| 52 | 70817C | ELBOW 1/4 X 1/4 |
| 53 | 56092C | POLY TUBING (CUT TO LENGTH) |

TROUBLE SHOOTING AND MAINTENANCE

- Orifice Assy:** Minerals deposits on orifice can cause water flow to spurt or not regulate. Mineral deposits may be removed from the orifice with a small round file not over 1/8" diameter or a small diameter wire. **CAUTION:** Do not file or cut orifice materials.
- Stream Regulator:** If orifice is free of material deposits regulate water flow according to instructions on page 3.
- Sensor Control:** The sensor has a 2 second delay time. If sensor fails to operate valve mechanism or operates erratically, check the following:
 - Ensure there are no obstructions within a 40 inch radius from the front of fountain.
 - Check wire connections at the solenoid valve and at the sensor. **CAUTION:** Make sure unit is unplugged before checking any wiring.
 - Ensure proper operation of solenoid valve. If there is an audible clicking sound yet no water flows, look for an obstruction in the valve itself or elsewhere in the water supply line. **WARNING:** Do not expose sensor to direct sunlight.
- Sensor Range Adjustment:** The electronic sensor used in this fountain is factory pre-set for a "visual" range of 36 inches. If actual range varies greatly from this, or a different setting is desired, follow the range adjustment procedure below:
 - Remove bottom cover of fountain.
 - Remove sensor by removing washers and nuts that secure sensor on studs.
 - Locate range adjustment screw between the red lenses of the sensor, then with a small tip screwdriver, rotate the range adjusting screw clockwise to increase range or counter-clockwise to decrease range. 1/4 turn of screw is equal to approximately 12 - 18 inches of range. **CAUTION:** Complete range of sensor (24 - 48 inches) is only one turn of the adjusting screw.
 - Remount sensor on studs and replace bottom cover.

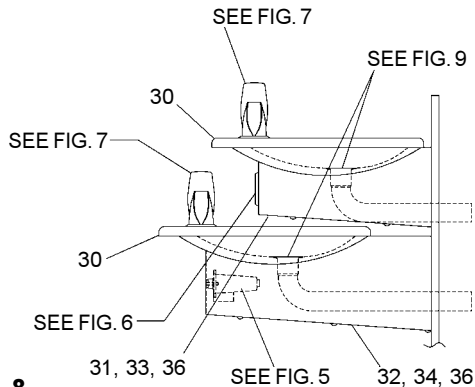
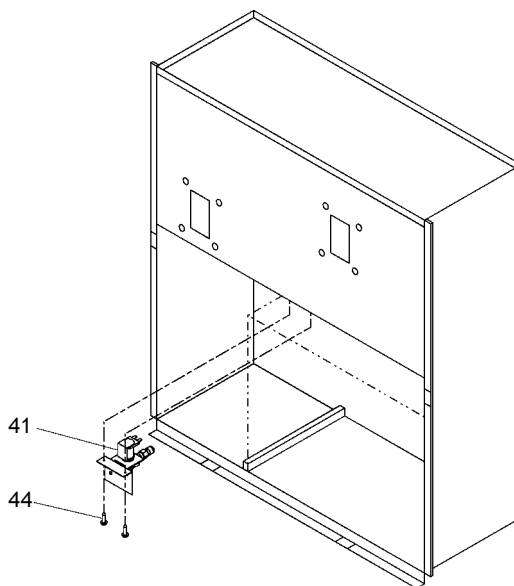
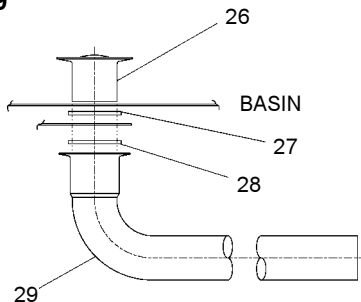


FIG. 8

FIG. 10

FIG. 9



FOR PARTS, CONTACT YOUR LOCAL DISTRIBUTOR OR CALL 1.800.323.0620
 ELKAY MANUFACTURING COMPANY • 2222 CAMDEN COURT • OAK BROOK, IL 60523 • 630.574.8484