Multi-Feed Soap Dispensing System Installation Instructions

For Multi-Bank Installation of E-Tronic® 80 Touch-Free Soap Dispensers

CHICAGO FAUCETS®
Geberit Group

Overview

The Multi-Feed Soap Dispensing System is designed to deliver foaming hand soap to two, three, or four E-Tronic® 80 touchless dispensers from a single soap bucket. This system combines easy installation and maintenance with no-touch operation for user convenience.

Safety Information

Read this entire user guide to ensure proper installation. Compliance and conformity to local codes and ordinances is the responsibility of the installer.
Please follow these important safety guidelines while handling and installing this product:

- Make sure there is enough space and lighting available during installation and service.
- Do not modify or convert this Chicago Faucets product before, during, or after installation. Doing so voids all warranties.

Notice to the Installer

- Read this entire instruction sheet before installing to ensure proper installation.
- Installation must comply with local codes and ordinances.
- Exercise care when installing the device to prevent marring the exposed, decorative surfaces.

The supply piping to these devices shall be securely anchored to the building structure to protect the installed device against unnecessary movement when operated by the user.

NOTE: The information in this manual is subject to change without notice.

Note for Reliable Operation

- Ensure soap is free of particles and filling cup is clean.
- Clean soap tank with water periodically.
- Refill soap when soap level is approximately 1˝ (25 mm).
- Use soft and moist cloth to clean the dispenser. Avoid spraying water directly at the system.

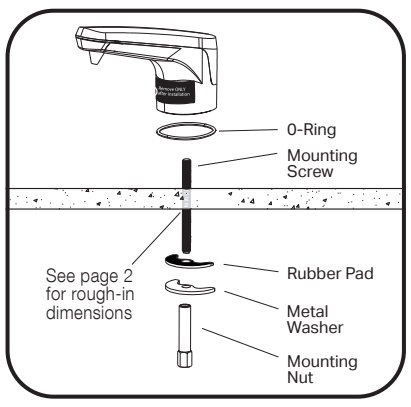
THIS SYSTEM DOES NOT FEATURE A MANUAL PRIMING BUTTON OR VOLUME ADJUSTMENT.

For Foam Soap Models
E80-SDF4-4CP (AC): 4-bank Installation
E80-SDF3-4CP (AC): 3-Bank Installation
E80-SDF2-4CP (AC): 2-Bank Installation

Specifications

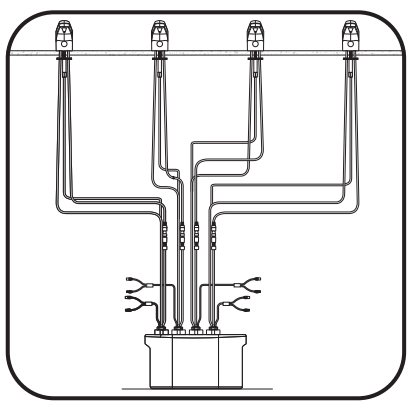
Operating Voltage	AC: 100V - 240V
Power Supply	Plug-in transformer (AC)
Foaming Hand Soap Viscosity	1-20 cps (mpa.s)
Sensing Range	7 - 9 in. (18 - 22 cm)
Ambient Operating Temperature	34° - 140°F (1° - 60°C)
Storage Temperature	–40° - 167°F (–40° - 75°C)

Installation



1. Install Touchless Dispensers

Install mounting shank and o-ring in the dispenser. Attach the adhesive rubber pad to the deck washer. Feed shank and supply tubes through deck, position the dispenser, and secure with washer | and mounting nut. Washer should be oriented so tubes can move freely.
DO NOT REMOVE LABEL COVERING SENSOR.

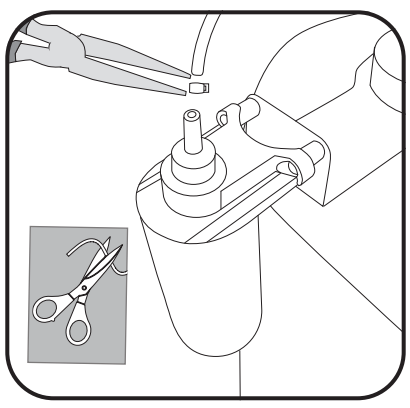


2. Position The Soap Bucket

Position the soap bucket below the deck in a location that allows the tubes from each dispenser to reach the bucket connections and allows access for soap refilling.

3. Fill The Soap Bucket

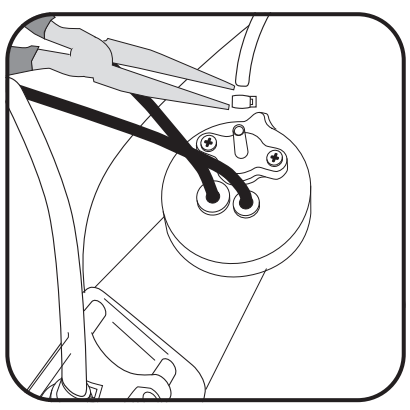
Using the provided funnel, fill the bucket with foam soap solution.



4A. Attach Clear Tube to Air Pump

Attach either one of the clear tubes from the touchless dispenser to the air pump located at the side of the bucket and secure with clamp. The clear tubes can be cut to size. If bucket needs to be moved for refilling, ensure tube length allows for this before cutting.

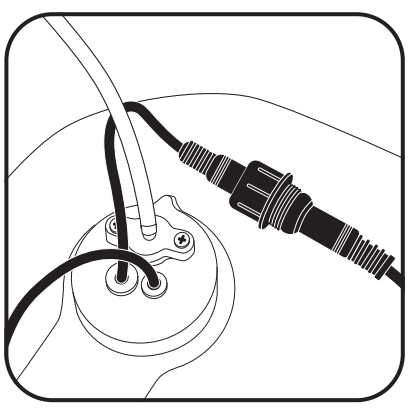
NOTE: Overbending, pinching, or kinking tubes can block air movement.



4B. Attach Other Tube To Soap Pump

Attach the other clear tube from the touchless dispenser to the soap pump located on top of the bucket and secure with clamp.

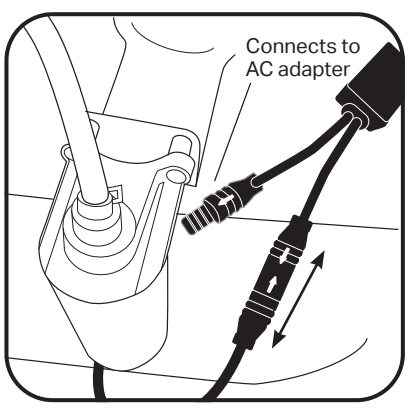
NOTE: Overbending, pinching, or kinking hoses can block soap movement.



5. Connect Soap Pump to IR Sensor

Connect 4-prong male power cable from touchless dispenser to matching cable from soap pump. Tighten the threaded connection to secure.

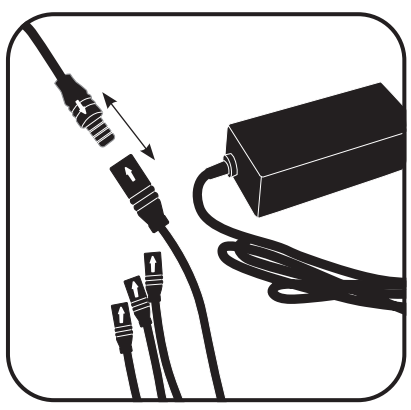
NOTE: Make sure the o-ring is in place on the soap pump connector before proceding.



6. Connect Soap Pump to Air Pump

Aligning the arrows, connect 2-prong power connection from soap pump to matching connection on air pump.

Repeat steps 4 through 6 for each touchless dispenser.



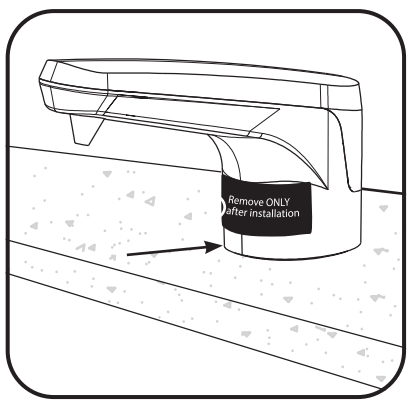
7. Connect Soap Pump to AC Adapter

Aligning the arrows, connect 2-hole power connection from soap pump to the plug-in AC transformer. Repeat for each touchless dispenser.

Plug transformer into outlet.

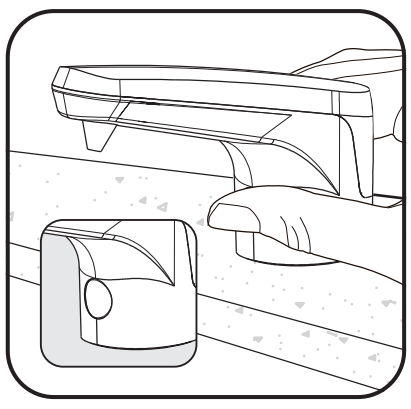
Activate Initial Priming

NOTE: There is **no manual prime button** for the multi-feed dispenser system. Priming is activated automatically once transformer is plugged in to an outlet. **If label over sensor is not present, priming must be initiated within 30 minutes** following the steps below**.** After 30 minutes, follow steps under "Priming After Initial Activation".



IF LABEL IS ON FRONT OF DISPENSER

After plugging transformer into the outlet, automatic priming should begin. **Wait until soap begins to dispense (about 10 seconds).** Once soap begins to dispense, remove the label. If label is not removed, priming process will stop automatically after 3 minutes. **If priming does not begin, remove label and follow instructions to the right.**



IF LABEL HAS BEEN REMOVED*

Using your hand, **cover the IR sensor until soap begins to dispense (about 10 seconds)** to activate the priming function. Once soap begins to dispense, **remove your hand**. If hand is not removed from sensing area, priming process will stop automatically after 3 minutes.

*This method of priming **must be initiated within 30 minutes** of powering on the dispensers. If longer than 30 minutes, unplug transformer and restart to begin priming process. See "Priming After Inital Activation".

Priming After Initial Activation

If priming is required in the future:

1. Unplug AC transformer from the outlet for at least 1 minute.
2. Plug the transformer back into the outlet.
3. Using your hand, cover the IR sensor until soap begins to dispense, about 10 seconds, to activate the priming function.
4. Once soap begins to dispense, remove your hand. If hand is not removed from sensing area, priming process will stop automatically after 3 minutes.

Low Soap Level Warning

When the amount of soap in the multi-feed dispenser is low, the light on the touchless dispensers will stay on for 4 seconds and repeat this warning every 2 seconds.

Low Power Warning

When the voltage is lower than 4.5V, the system will not operate and the light on the touchless dispensers will flash twice every 2 seconds.

Cleaning Mode

Cleaning mode allows for the sink and touchless dispensers to be cleaned without dispensing soap during the cleaning process. This mode is available 30 minutes after powering the system.

1. Place hand over the IR sensor or in the sensing area for 5 seconds.
2. A solid light will appear and the soap dispensing function will be suspended for 1 minute.
3. After 1 minute, the dispenser will automatically return to normal function.

Step-By-Step

Installation Video

For additional technical assistance, call 800/TEC-TRUE (800-832-8783) or visit chicagofaucets.com

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Multi-Feed Soap Dispensing System Rough-In Dimensions

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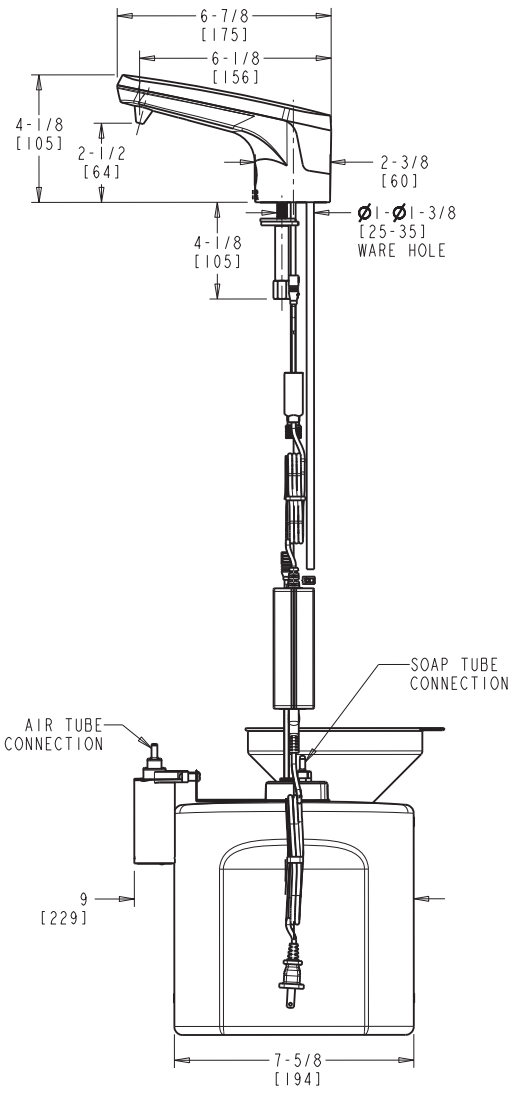
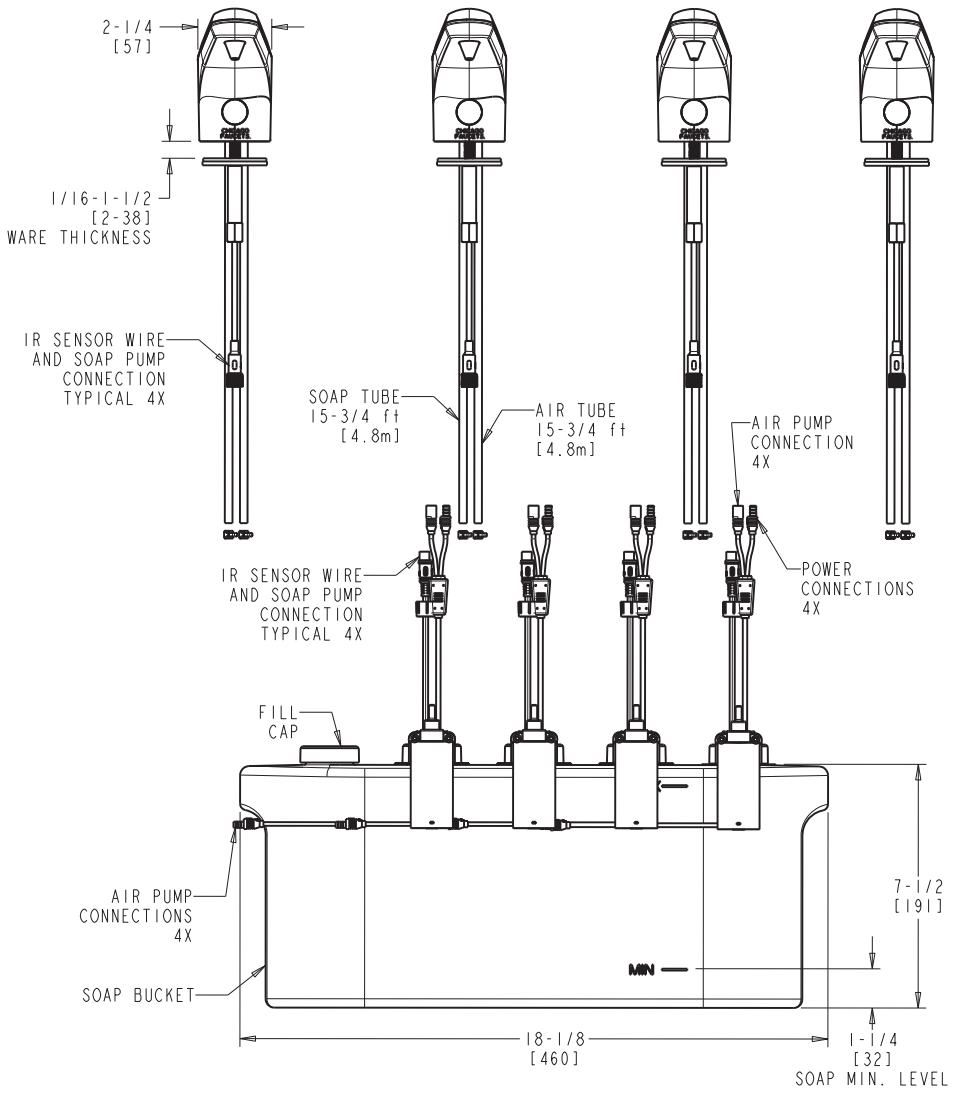
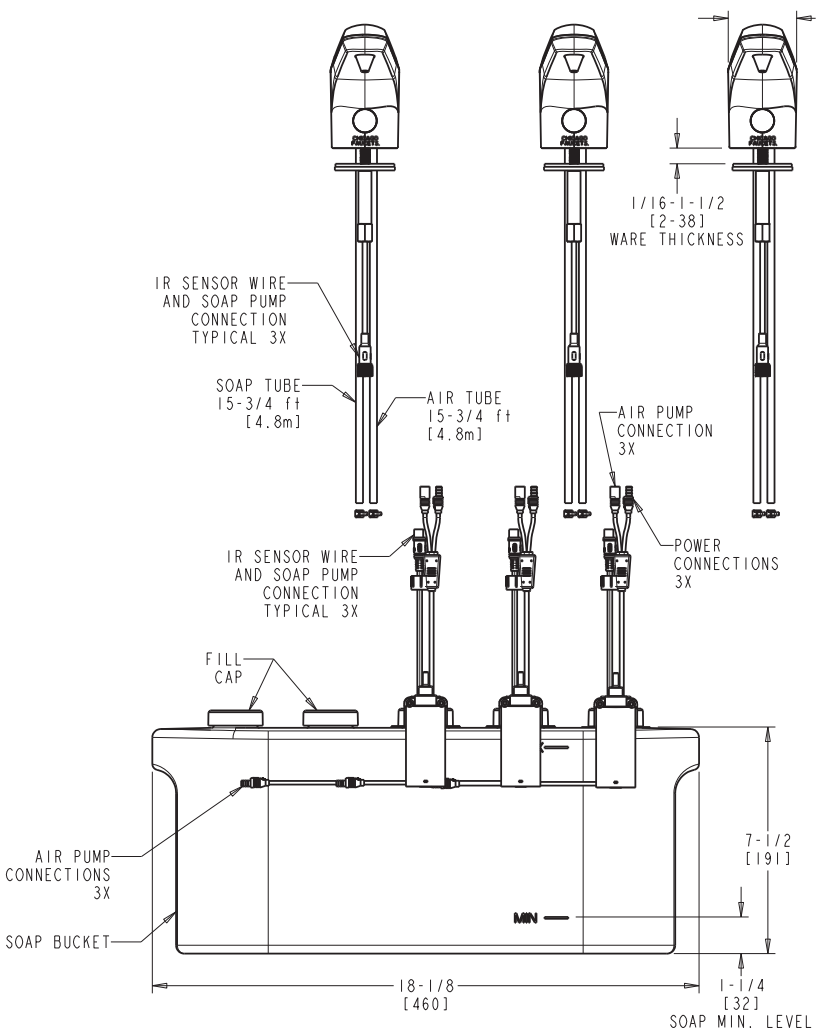
Soap Dispenser



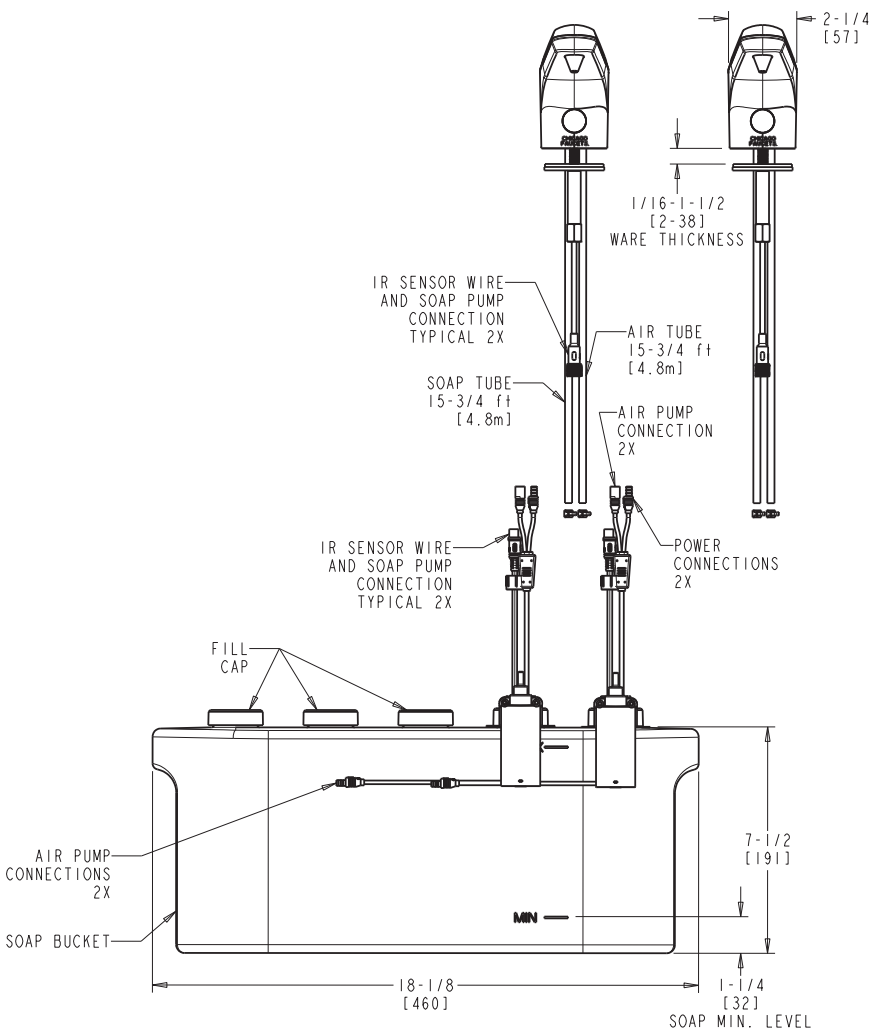
E80-SDF4-4CP Multi-Feed System with Four Dispensers



E80-SDF3-4CP Multi-Feed System with Three Dispensers



E80-SDF2-4CP Multi-Feed System with Two Dispensers



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