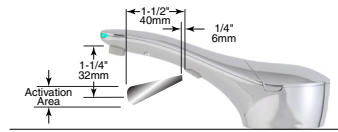## To Operate:

1. **Prime Unit –** After filling dispenser, plug in power to start prime. If unit is plugged in prior to filling dispenser, place hand under spout within sensor location to start prime.

2. **Standard Dispense –** Place hand under spout within the sensor location for approximately 1/2 second to dispense controlled amount of foam hand soap.

3. **Adjusting the foam quality –** Foam quality in terms of more or less liquid used to produce the foam can be adjusted by rotating the Portion Control Knob clockwise for more air in the foam and counterclockwise for less air in the foam.

Portion Control Knob

4. **LED Light Indicators –** When activated, solid green LED will light. If green light is flashing, remove hand to allow unit to reset, then activate again. If using battery pack, flashing red LED light indicates time to replace batteries.

Routine Cleaning and Maintenance:

Using a damp cloth, wipe the chrome-plated exterior of the dispenser daily. Periodically (about 3 to 6 months), it is recommended to flush the system with lukewarm water for cleaning and maintenance.

Automatic System Flush Button

1. When minimal amount of soap is left in the bottle, fill dispenser with lukewarm water from top to dilute soap.
2. Press on Automatic System Flush Button to flush the system.
3. Once unit is flushed, press Automatic System Flush Button again to stop dispensing.
4. Fill unit with fresh foam soap, and dispense as usual.

Troubleshooting:

1. Soap dispenser does not dispense soap, but you can hear motor running. The green LED lights up when hands are under spout.
   a. Press the Automatic System Flush Button until soap comes out
   b. Press Automatic System Flush Button again to turn it off
2. Soap dispenser does not dispense soap and you cannot hear motor running. The green LED does not light up when hands are under spout.
   a. Be sure power is supplied to unit.
   b. Make sure Fiber Optic Nut is threaded hand-snug onto Fiber Optic Port.

Warranty:

SureFlo Automatic Foam Soap Dispenser is warranted to be free from defects in workmanship and material under normal usage from the date of purchase for a period of 3 years.

SureFlo® Automatic, 1" Counter-Mounted Soap Dispenser
INSTRUCTIONS FOR INSTALLATION, OPERATION & MAINTENANCE
BOBRICK MODEL B-8281 FOAM SOAP DISPENSER

Clearances and Mounting Requirements:
- Minimum 1" (25.4mm) diameter mounting hole required.
- Minimum 18" (457mm) vertical clearance needed below the counter.
- 5" (127mm) diameter clearance needed below the mounting hole to accommodate bottle and bottom housing.
- Minimum 2-1/4" (57mm) diameter clearance needed for Mounting nut directly below the counter to clear sink rim.
- Recommend drilling mounting hole 6" to 8" (150 to 205mm) from the wall, and 2-1/2" to 3" (65 to 75mm) from sink rim.
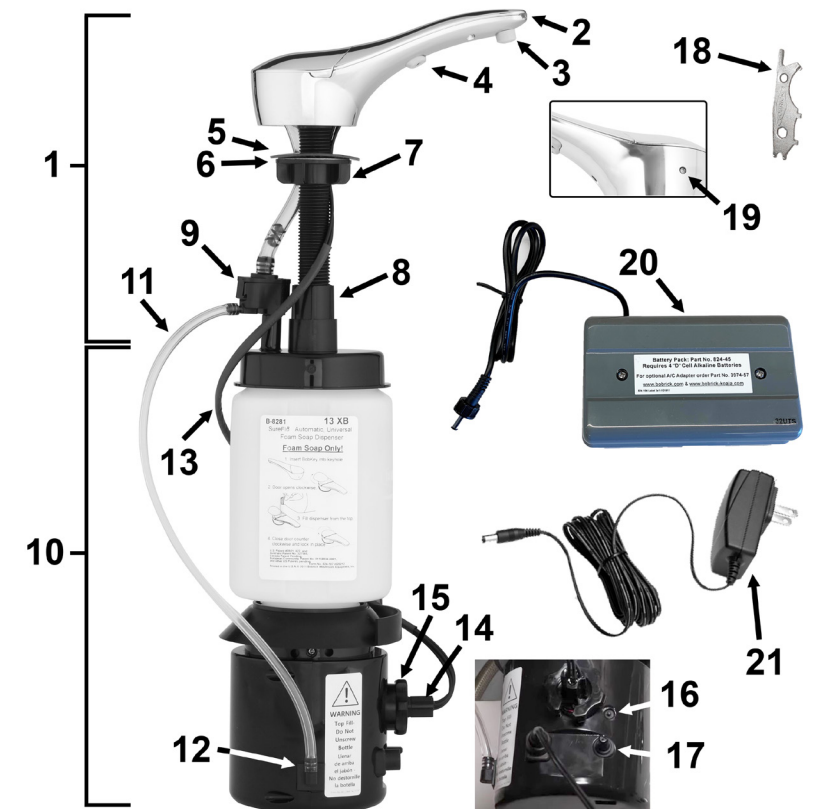
For New Installation:
- Refer to mounting template for drilling locations (Form No. 8281-7).

For Retrofit:
1. Remove existing dispenser(s).
2. Clean area.
3. Ensure hole is 1" (25.4mm) diameter.
4. If necessary, enlarge opening using appropriate hole saw. For granite/marble counters, recommend using a diamond hole saw (consult with stone and granite specialist). If needed, mounting hole should be offset to clear the sink rim. The Mounting nut requires 2-1/4" (57mm) diameter clearance directly below the counter.

Scan for SureFlo Automatic 1" Foam Soap Dispenser Installation Video.

Parts List:

Item	Description
1	Top Assembly with Spout, Door and Stem
2	LED Light Pipe
3	Foam Nozzle Tip with Mesh
4	Fiber Optic Insert with Sensor Lenses
5	Rubber Counter Gasket
6	Wave Washer
7	Mounting Nut
8	Stem Locking Nut
9	Foam Mixer Housing
10	Bottom Housing Assembly (includes Soap Bottle)
11	Air Tube
12	Air Tube Adapter
13	(3) Fiber Optic Cables for Sensor and LED Light Pipe
14	Fiber Optic Connector Tip Assembly
15	Fiber Optic Nut
16	Automatic System Flush Button
17	Portion Control Knob
18	BobKey
19	Key Hole
20	Battery Pack (requires (4) "D" cell alkaline batteries not included).
21	Optional: A/C Adapter Kit with U.S. Plug, order Part No. 3974-57. For outlets not compatible with U.S. plugs, order Part No. 3974-55.

Installation:

1. Place Counter Gasket over mounting hole to align with profile of dispenser.

2. Remove the rubber band and Fiber Optic Nut from the Fiber Optic Cables.

   NOTE: Keep the Fiber Optic Nut for use later. The rubber band will not be reused.

3. Insert the stem with the clear plastic tube and Fiber Optic Cables through the mounting hole. Make sure the fiber optic cables and tube are placed inside the grooves on the stem.

4. Place the Wave Washer on top of the Mounting Nut. Install Mounting Nut on Stem and thread upwards. (Minimum 2-1/4" (55mm) diameter clearance needed below mounting nut).

   NOTE: The outer diameter of the Mounting Nut may need to be filed down if space under the counter is tight.

   NOTE: Make sure Fiber Optic Cables and Tubing are **INSIDE** Mounting Nut. Do not tighten completely until end of installation.

5. Thread the Stem Locking Nut onto the Stem. The ribs on the Nut are to be towards the top. Once it goes past the two red o-rings, the nut will automatically stop threading.

   NOTE: Make sure the fiber optic cables and the plastic tubing are **OUTSIDE** of the stem locking nut.

6. Attach the tubing to the top barb of the Foam Mixer Housing.

7. The Bottle Cap can only be placed onto the Stem in one orientation. The flat section on the Stem is to be aligned with the flat section on the Bottle Cap.

8. Rotate the Bottle back and forth to align the flat section of the Stem to the flat section on the Bottle.

9. Push the Bottle Assembly up onto the Stem while also inserting the Foam Mixer Housing into the hole in the post on the Bottle Cap.

   Fully insert the Bottle Assembly over the Stem until it stops. Both red o-rings must be inside the Bottle Cap.

10. While pushing upwards on the Bottle, Thread the Stem Locking Nut down onto the Bottle Cap threads

    NOTE: After assembly, hold the Stem and lightly rotate the Bottle back and forth and tug down to be sure it is on tight. If it is loose, repeat Steps 7 and 8.
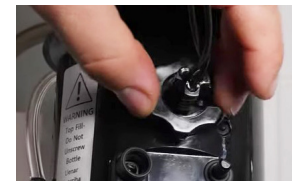
    NOTE: Tug Tubing on Foam Mixer Housing down from under the counter to straighten out the tubing.

11. Connect the small diameter tube from the Foam Mixer Housing to the air tube adapter barb located on the Bottom Housing.
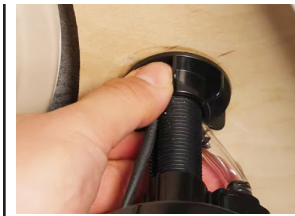
12. Slide the Fiber Optic Nut over the Fiber Optic Cables.

13. Insert the Fiber Optic Connector Tip Assembly into the bottom housing. Keyed feature on the Connector Tip ensures Fiber Optic Cables are always located properly. Thread the Fiber Optic Nut onto the Connector Port and hand snug tighten.
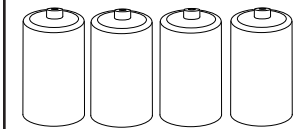
    NOTE: DO NOT bend or kink Fiber Optic Cables.

Apply a bead of Silicone around the base of the Top Housing above the counter to prevent spilled soap from going through the mounting hole.

Round Cap

14. Align the Top Assembly above the counter to the desired position and tighten the Mounting Nut against the bottom of counter so the Top Assembly does not easily rotate. Make sure Fiber Optic Cables are not between the underside of the counter and top of Mounting Nut. See Steps 4 and 5.
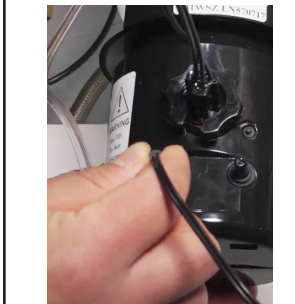
15. Mount Battery Pack on wall nearest dispenser. Mounting hardware is inside the Battery Pack.

    *Round Cap on plug is not required for this model, pull back prior to plugging into port.

16. Install 4 "D" cell Alkaline batteries.

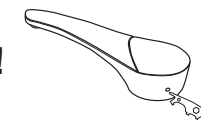17. Plug Power Supply into Bottom Housing base.

Replacement Parts List

Part Name	Part No.
- A/C Adapter	3974-57
- A/C Adapter with International Assortment Plug Kit (U. K., Europe, Australia)	3974-55
- Mack Gasket Kit	824-167
(To secure Top Assembly under the counter due to irregular counter surface)	
- External A/C Multi Adapter Kit	824-201
- Nozzle Tip Replacement Kit Foam	828-310
- D Size Battery Pack (Batteries not included)	824-241
- Foam Mixer Housing	828-322
- Installation Hardware Packet with Foam Mixer Housing	8281-43
(Includes Wave Washer, Counter Gasket, Mounting Nut, BobKey, Stem Locking Nut)	
- Fiber Optic Nut	828-83
- Top Housing Assembly Foam	8281-25
(Includes Installation Hardware Packet and Foam Mixer Housing)	
- Bottom Housing Assembly Foam	8281-50

TOP FILL ONLY !

Filling Instructions: (use foam soap only)
Unit will dispense commercially Marketed Bulk Foam Soap.

1. Insert tip of BobKey provided into opening of concealed locking mechanism to disengage door.
2. Door will disengage and rotate clockwise for filling from the top.
3. Fill dispenser with commercially marketed bulk foam hand soap **(Do not use liquid or lotion soap).**
4. Close door counter-clockwise to lock in place.

MOUNTING TEMPLATE
SureFlo® Automatic 1" Counter-Mounted Foam Soap Dispenser
Bobrick Model B-8281

Required Clearances:

Mounting Hole: 1" (25.4mm) diameter

Maximum Counter Thickness: 2" (50mm)

Below Counter:

18" (457mm) vertical clearance

5" (127mm) diameter directly below mounting hole for bottle and bottom housing.

2-1/4" (57mm) diameter needed for mounting nut directly below mounting hole. If sink rim below the counter is within the clearance area, use a spacer to ensure mounting nut is firmly tightened against, bottom of the counter.

Instructions:

1. Using template, locate mounting hole position (on left or right side). Ensure sink and plumbing fixtures **DO NOT** interfere with dispenser above or below the counter (refer to clearances).

2. Drill 1" (25.4mm) diameter hole.

Side View

Counter Thickness 2" (50mm) Maximum

Required Clearance from bottom of counter

18" (457mm)
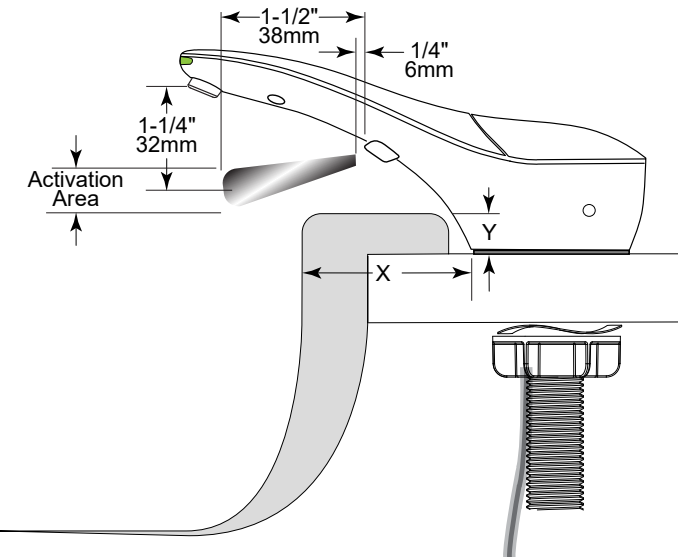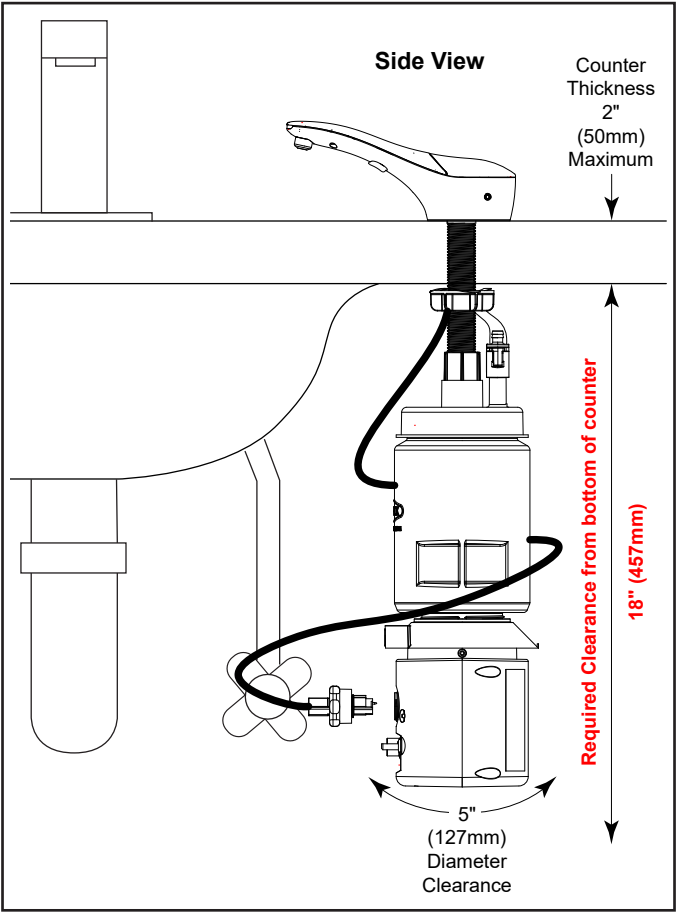
5" (127mm) Diameter Clearance

Sinks with Rim Over the Counter Area:

Unit is not compatible with a sink rim greater than the maximum dimensions listed below:

Option A	X = 1-1/2" (38mm) Maximum
	Y = 1" (25mm) Maximum

Option B	X = 2-1/2" (63mm) Maximum
	Y = 1/2" (12mm) Maximum

1-1/2" 38mm

1/4" 6mm

1-1/4" 32mm

Activation Area

Y

X

CAUTION:

Rim must not come into contact with activation area.

MOUNTING TEMPLATE

LEFT SIDE

RIGHT SIDE

View from Top of Counter

View from Top of Counter

Drill
1" (25.4mm)
Diameter Hole

2-1/2" to 3"
(64 to 76mm)
from Sink Rim
to center
of Mounting Hole

2-1/2" to 3"
(64 to 76mm)
from Sink Rim
to center
of Mounting Hole

Drill
1" (25.4mm)
Diameter Hole

6"
(152mm)

7"
(178mm)

8"
(203mm)

7"
(178mm)

7"
(178mm)

6"
(152mm)

7"
(178mm)

8"
(203mm)