

# Filter Flo Siphon

SPECIFICATIONS			
Dimensions	Shipping Weight	Construction	Standard Equipment
H=16"/41 cm Dia.=6-1/4"/16 cm	3 lb/1.4 kg	Siphon tube and valve: nickel-plated steel. Handle: wood. Filter ring: powder-coated. Filters: flannel. Mounting brackets: aluminum alloy.	Siphon assembly including valve, filter, filter ring, and clamp.

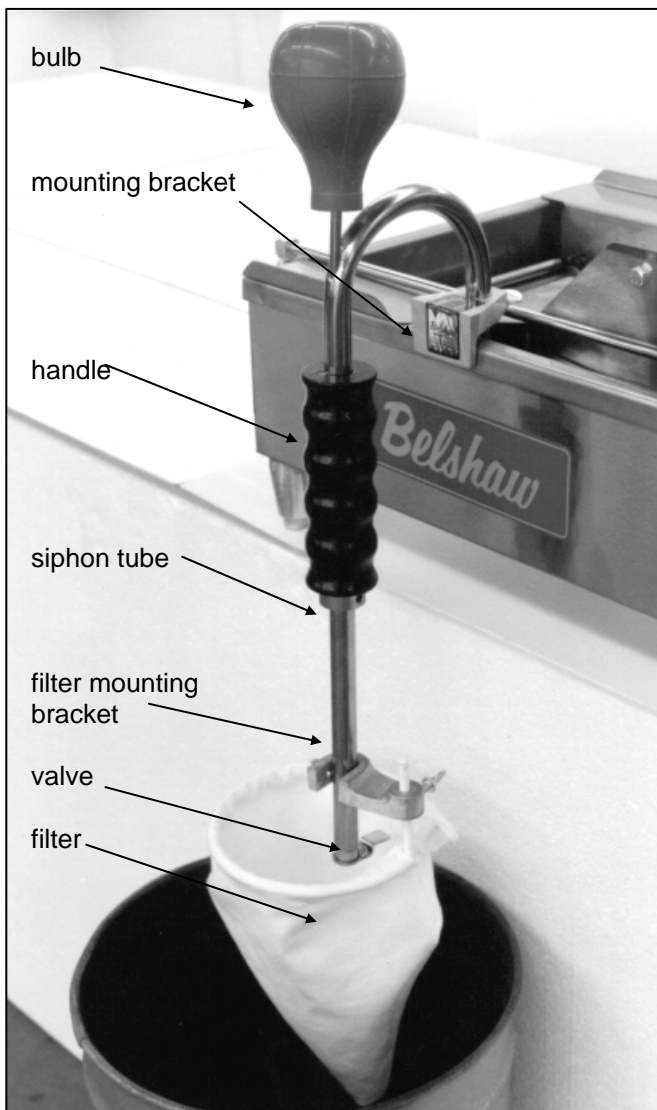


Figure 1. Filter Flo Siphon.

The Filter Flo Siphon is designed to drain and filter shortening from the kettle of the Donut Robot. The operator is expected to read and follow these instructions.

## Installation

1. Let the shortening cool to 100°F/38°C.

### **WARNING**

**Hot shortening can cause serious burns. Never touch hot shortening. Never wear shorts while using the Filter Flo Siphon.**

2. Place the mounting bracket, with the siphon tube in it, on the lip of the kettle. You may place it on the infeed end of the kettle, or on the front side of the kettle. If you place it on the front side, you must disconnect the swing connecting rod from the throw arm and move it out of the way.
3. Position the opening of the siphon tube near the bottom of the kettle.
4. Tighten the thumb screw in the mounting bracket.

5. Attach the filter assembly to the lower part of the siphon tube, as shown in Figure A-7. To do this:
  - a. Slide the opening in the filter mounting bracket around the siphon tube.
  - b. Adjust the filter mounting bracket vertically to ensure that the filter does not touch the valve assembly.
  - c. Tighten the screw that holds the filter mounting bracket to the siphon tube.
  - d. Tighten the screw that holds the filter retaining ring to the filter mounting bracket.

### **WARNING**

**Make sure that both screw in the filter assembly are tight. If they are not, the filter assembly might slide off of the siphon tube during operation, causing shortening to splatter.**

6. Place a five-gallon metal container under the filter.

### **WARNING**

**Do not use a plastic container. Hot shortening could melt the container, possibly burning you and getting shortening on the floor. Shortening on the floor could cause you to slip or fall, resulting in injury or even death.**

## **Operation**

1. Compress the bulb quickly and release it quickly. Do this only once. Shortening should flow into the container.

### **CAUTION**

**Do not compress the bulb more than once. Doing so could allow hot shortening to get into the bulb, damaging your equipment.**

2. Watch the container as the shortening flows into it. If the shortening rises to within 2”/ 5 cm of the top of the container, do the following:
  - a. With one hand, hold the siphon by the handle. With the other hand, loosen the thumb screw that holds the siphon assembly to the mounting bracket on the lip of the kettle.
  - b. Slowly lift the siphon assembly so its opening is above the shortening. Do not remove it from the mounting bracket.
  - c. Tighten the thumb screw.
  - d. When the shortening stops flowing and the valve closes, move the container out from under the filter.
  - e. Place another five-gallon metal container under the filter.
  - f. With one hand, hold the siphon by the handle. With the other hand, loosen the thumb screw that holds the siphon assembly to the mounting bracket on the lip of the kettle.
  - g. Slowly lower the siphon assembly so its opening is near the bottom of the kettle.
  - h. Tighten the thumb screw.
  - i. Restart the siphon, as explained in step 1.
  - j. Continue watching the container and repeat the above procedure as needed.

## WARNING

**If you allow shortening to overflow the container, the shortening could burn you, and it will get on the floor, possibly causing slips, falls, injury, or even death. If shortening does get on the floor, thoroughly clean and dry the floor right away.**

3. When the shortening stops flowing, tilt up the side of the kettle opposite the siphon. Place a wedge under the side of the kettle to hold it up. The remaining shortening will now flow toward the siphon.
4. Set aside the container of shortening.
5. Remove the filter assembly.
6. Place a different container under the valve assembly and start the siphon again. Drain the remaining shortening and discard it; it will be full of sediment.

## **Cleaning**

1. Remove the siphon from the Donut Robot.
2. Squeeze the bulb several times to expel shortening from the siphon.
3. Wipe the siphon clean and hang it with the bulb side up so any remaining shortening will drain. Place a pan under the siphon to collect the shortening.
4. Rinse the filter bag and hang it to dry. You may launder it as needed.

## WARNING

**After washing, be sure the Filter Flo Siphon is completely dry before using it again. Moisture will cause hot shortening to spatter, which may cause serious injury.**