



Stainless Steel Countertop Pump Dispensers w/ Stainless Steel Pumps

Assembly & Care Instructions

651PDS2QT1S, 651PDS2QT2S, 651PDS2QT3S, 651PDS2QT4S

Parts Included

1. 304 Stainless Steel Body, Brushed Finish

2. 304 Stainless Steel Pump

A Plunger Assembly

- a. Black Pump Knob
- b. Locking Collar
- c. Plastic Restrictor/Dosage Collar
- d. Head Tube
- e. Head Insert
- f. Spring
- g. Washer
- h. Piston
- i. Seal Assembly

B Lid

C Pump Discharge Tube Assembly

- j. Pump Discharge Tube
- k. Pump Discharge Locking Collar
- l. Red O-Ring (1 1/16")

D Pump Shaft Assembly

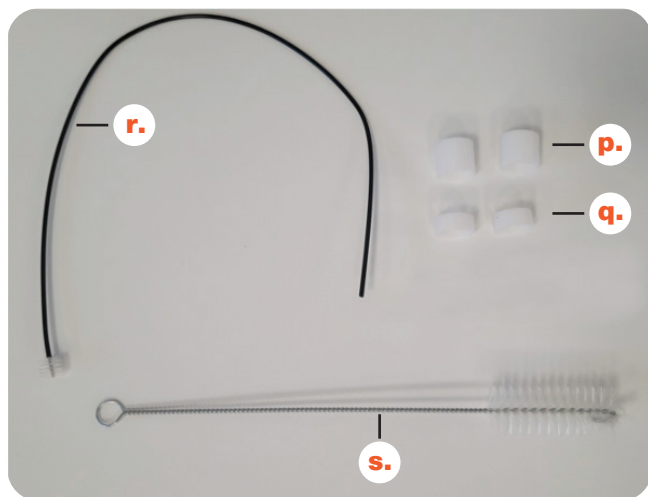
- m. Pump Cylinder
- n. Red O-Ring (1 3/8")
- o. Valve Body

3. Plastic Fountain Jar 2QT



Additional Inclusions

- p.** 13/16" Plastic Restrictor/Dosage Collar - 1/3 oz. **(2)**
- q.** 7/16" Plastic Restrictor/Dosage Collar - 2/3 oz. **(2)**
- r.** Flexible Brush for Pump Discharge Tube
- s.** Wire Brush for Pump Shaft (11"L x 1" dia)



Replacement Parts

Item #	Description	Compatible Models
651PDPSSOR	n. Red O-Ring for SS Pumps	All
651PDPSSOW	i. White O-Ring for SS Pumps	All
651PDPSSS	f. Iron Spring for SS Pumps	All
651J2QTW	3. Qt. White Fountain Jar Insert	All

Safety

All components must be cleaned before first use.

Follow local food safety guidelines and regulations to ensure the food product that is being stored and/or served is at the proper temperatures.

Clean, rinse, sanitize, and dry parts at a minimum of every 24 hours.

Check local sanitation requirements.

NOTE: Pump is not insulated and is not intended to maintain cold temperatures.

Pump Cleaning

Regular cleaning and maintenance of your ServSense™ pump will ensure proper operation and ultimate performance.

- 1 For pumps that have been in use, flush and rinse all pump parts with hot water by removing the pump from the body and putting the lower portion of the pump (valve body) into hot water. Pump the hot water through the pump until all food product has been expelled and only hot water is expelled.
- 2 Disassemble plunger assembly, lid, pump discharge tube assembly, and pump cylinder and valve body. Clean all parts with hot water and dishwashing soap. Use flexible brush and wire brush to clean inside the pump discharge tube and pump cylinder.
- 3 Rinse completely with warm, clean water.
- 4 Sanitize all parts according to local sanitation requirements.
- 5 Air dry parts completely before assembling for use.

Disassembly

- 1 Remove the lid (B) from the pump plunger assembly (A) and pump discharge tube assembly (C) by unscrewing counterclockwise the locking collar (b) of the plunger assembly (A) and the pump discharge tube nut (k) from the pump discharge tube assembly (C). Set the pump plunger assembly aside (A).
- 2 Remove the pump cylinder (m) from the lid (B) and thread the pump discharge tube (j) through the lid.
- 3 Twist the pump cylinder (m) counterclockwise and twist the pump discharge tube (j) counterclockwise to remove both from the valve body (o).
- 4 Remove the 1 1/16" o-ring (l) from the base of the pump discharge tube (j) and remove the 1 3/8" o-ring (n) from the valve body (o), found below the pump cylinder (m). The O-ring is rubber and can tear or be cut if a sharp tool is used.
- 5 Disassemble the pump plunger assembly (A). Push down on the head tube (d) and twist counterclockwise on the knob (a) to remove the knob.
- 6 Remove locking collar (b) from the pump plunger assembly (A).
- 7 Remove plastic restrictor/dosage collar (c) from the head tube (d).
- 8 Remove head tube (d).
- 9 Remove head insert (e) from inside the head tube (d).
- 10 Remove spring (f) and black washer (g) from piston (h).
- 11 Remove seal assembly (i) from piston (h). Seal assembly is hard to remove. Do not use a sharp tool to remove. Pry off the white washer from piston base with fingers. Remove o-ring from inside the white washer.

Assembly

Pump Shaft Assembly

- 1 Install 1 3/8" o-ring (n) into the valve body (o). Apply food grade lubricant onto the o-ring then install into the valve body.
- 2 Install the pump cylinder (m) into the valve body (o). Position pump cylinder so two tabs are facing center of valve body. Use pressure to tilt pump cylinder under slot on valve body and twist clockwise until tabs are no longer visible and cylinder is secure.

Pump Discharge Tube Assembly

- 3 Install the 1 1/16" o-ring (l) onto the base of the pump discharge tube (j). Apply food grade lubricant onto the o-ring then install onto the pump discharge tube base.
- 4 Install the pump discharge tube assembly (C) onto the valve body assembly (o). Face pump spout away from the center. Line up straight edges with straight edges on the valve body and twist clockwise with pressure to secure.

Plunger Assembly

- 5 Install black o-ring of seal assembly (i) into the inside of the white seal of seal assembly (i). Apply food grade lubricant onto the o-ring then install the o-ring into the seal. Slide and secure seal assembly onto the base of the piston (h).
- 6 Add black washer (g) onto the top of the piston head and then slide spring (f) onto the piston.
- 7 Slide desired plastic restrictor/dosage collar (c) onto top of head tube (d). Flared end of head tube should face ground to ensure collar does not slide off.
- 8 Slide locking collar (b) onto head tube (d).
- 9 Insert head insert (e) into base of head tube (d). Larger opening of head tube insert should face the ground.
- 10 Insert completed piston assembly into base of the head tube (d).
- 11 Press down on the head tube to expose threaded end of the piston. Install knob (a). Rotate clockwise to secure knob onto completed plunger assembly (A).

Final Lid & Pump Assembly

- 12 Install lid (B) by sliding plunger discharge tube assembly (C) through the smaller hole and the cylinder assembly (D) through the larger hole. Secure discharge tube with discharge tube locking collar (k).
- 13 Install plunger assembly (A) into the cylinder assembly (D). Rotate locking collar clockwise until secure to complete assembly.

Troubleshooting

Problems with worn out o-rings, springs, and improperly installed parts can result in issues with food product leaking out of the pump plunger, dripping from the pump discharge, tube or the plunger not returning properly after dispensing.

Please see the below situations to help aid in fixing these issues:

Problem	Solution
If food product is coming out of the locking collar on the plunger assembly above the lid...	<p>The seal assembly may not be installed properly on the piston, preventing the food product from entering the pump cylinder and coming out of the pump plunger assembly.</p> <p>Review the seal assembly - ensure the o-ring is properly installed into the inside center of the white washer with lubricant. Ensure that the washer is not visible from the base of the piston once the seal assembly is installed.</p> <p>Once the o-ring is inside the white washer, the o-ring will be more visible on one side compared to the other. The side where the o-ring is more visible should be installed directly to the base of the piston.</p> <p>If the wrong side of the washer is installed to the base of the piston, there will be visible gap between the piston base edge and the edge of the white washer.</p>
If food product is dripping from the pump discharge tube...	<p>Disassemble the pump for full cleaning. Ensure the pump discharge tube is cleaned with the included brush.</p> <p>Do a thorough inspection of all o-rings on the pump. If any o-ring is damaged, replace immediately before next use.</p>
If the pump plunger does not return to the top position after dispensing...	<p>Disassemble the pump plunger assembly from the pump cylinder assembly.</p> <p>Inspect all parts. If the spring is broken, replace immediately before next use. Ensure black washer is installed properly between the piston head and the spring.</p> <p>Ensure all parts are assembled properly and in order as shown in the assembly instructions.</p>
If food product is not coming out of the pump discharge tube or is pumping inconsistently...	<p>Begin by cleaning the pump thoroughly according to cleaning instructions.</p> <p>Food product in use could be too thick or contain particles (such as a relish, tartar sauce, etc). Food product with particles is not recommended for use in this pump.</p> <p>Review and inspect the plastic restrictor/dosage collar located on the head tube. Ensure collar is installed properly and not damaged.</p>