



power soak®

OPERATOR MANUAL

IMPORTANT INFORMATION, KEEP FOR OPERATOR

888-994-7636, fax 888-864-7636
powersoak.com

THIS MANUAL MUST BE RETAINED FOR FUTURE REFERENCE. READ, UNDERSTAND AND FOLLOW THE INSTRUCTIONS AND WARNINGS CONTAINED IN THIS MANUAL.

NOTIFY CARRIER OF DAMAGE AT ONCE It is the responsibility of the consignee to inspect the container upon receipt of same and to determine the possibility of any damage, including concealed damage. Power Soak suggests that if you are suspicious of damage to make a notation on the delivery receipt. It will be the responsibility of the consignee to file a claim with the carrier. We recommend that you do so at once.

Manufacture Service/Questions 888-994-7636.

This manual provides information for:

POWER SOAK DUAL PUMP DISPENSER



INSTALLATION

Step #1

Verify that the male and female multi-pin connectors of the wiring harness, between the two halves of the unit, are tightened and secure.



Multi-pin connector behind unit

Step #2

Locate the multi-pin connector that is underneath the clean drain board (behind the dual dispenser pump) and secure it to the back of the dispenser.



Multi-pin connector behind chemical dispenser

PRELIMINARY SETUP AND CHEMICAL HOLDER INSTALLATION

IMPORTANT: DO NOT MOUNT THE HOLDER ABOVE THE RINSE SINK, SANITIZER SINK OR CLEAN DRAIN BOARD SECTIONS OF THE POWER SOAK UNIT. DOING SO MAY VIOLATE LOCAL HEALTH AND SAFETY CODES.

Step #1

If appropriate, install the detergent bag holder. If space is available, mount the bracket to the wall next to the Power Soak unit at the same height as the detergent dispenser or, if necessary, above the wash sink. Use the mounting screws and anchors when installing the holder.



Note: Some locations will not use a detergent bag holder but will choose to use free-standing bulk containers (such as a 5 gallon bucket). If this is the case, set the container under the clean drain board either on the under-shelf or on the floor.

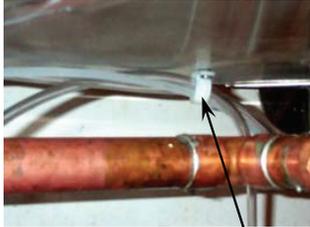
INSTALLATION OF THE PUMP FEED AND DISCHARGE TUBES

WARNING: REFER TO, AND FOLLOW, ALL SPECIFIC HANDLING INSTRUCTIONS PROVIDED BY THE CHEMICAL MANUFACTURER. INSTRUCTIONS, LABELS AND MSDS SHEETS SHOULD BE SUPPLIED WITH THE DETERGENT.

WARNING: REFER TO, AND FOLLOW, ALL SPECIFIC HANDLING INSTRUCTIONS PROVIDED BY THE CHEMICAL MANUFACTURER. INSTRUCTIONS, LABELS AND MSDS SHEETS SHOULD BE SUPPLIED WITH THE SANITIZING AGENT.

Step #1

Run a piece of “clear” plastic tubing (the Feed Tube), provided with the installation kit, from the detergent supply location to the dispenser pump. If necessary, use the support loops located under the unit’s sinks to hang the tubing. Cut the detergent Feed Tube to the proper length and connect it to the barbed fitting on the left, “Wash Detergent”, pump.



Tube support loop

Step #2

Run a piece of “clear” plastic tubing (the Feed Tube), provided with the installation kit, from the sanitizer supply location to the dispenser pump. Cut the sanitizer Feed Tube to the proper length and connect it to the barbed fitting on the right, “Sanitizer”, pump.

Step #3

Secure both lines to the barbed fittings using plastic wire ties. To ensure the tubing is secure, pull the tie wraps tight using a pair of pliers. Cut off the extra portion of the tie wraps.

Step #4

Use the “white” (opaque) plastic tubing provided with the installation kit for both the **Wash Sink** and **Sanitizer Sink** discharge tubes. Run the tubes from the injector nozzles, located in the sides of the sinks, to the appropriate pumps. Cut the tubes to the correct length and connect the tubes between the injector nozzle and the “discharge” side of the appropriate dispenser pump using the supplied compression fittings.



Detergent feed tube Sanitizer feed tube Sanitizer discharge tube
Detergent discharge tube

Step #5

Connect the Feed Tube from the Detergent pump to the bulk detergent supply.

Step #6

Connect the Feed Tube from the Sanitizer pump to the bulk sanitizer supply.

OPERATION

PUMP TIMER SETTINGS FOR WASH SINK



DIP switches for DETERGENT pump timer DIP switches for SANITIZER pump timer

Open the dual dispenser pump enclosure and locate the correct timer for the detergent dispenser pump. The correct timer is mounted on the **left-hand** side of the door. The DIP switches on the timer represent a specific number of seconds. Set any combination of the switches to “ON” in order to obtain the proper amount of pump run time in order to dispense the correct volume of detergent.

To determine the correct timer setting, measure the depth of the Power Soak unit (from the front edge to the back edge). Then, measure the Wash Sink from the left side to the right side. Refer to the charts below to obtain the volume of the wash sink.

Verify the proper volumetric ratio of detergent to wash water and set the DIP switches accordingly.

30" DEEP (FRONT TO BACK) WASH SINK		34" DEEP (FRONT TO BACK) WASH SINK	
TANK LENGTH (inches)	TANK VOLUME (gallons)	TANK LENGTH (inches)	TANK VOLUME (gallons)
30	51.4	30	59.7
36	61.7	36	71.7
42	72.0	42	83.6
48	82.3	48	95.6
54	92.6	54	107.5
60	102.9	60	119.5
66	113.1	66	131.4
72	123.4	72	143.4

As a rule of thumb, the pumps will discharge approximately .08 ounces of detergent per second. This number may fluctuate due to variations in the physical properties of the different types of detergents. **Be sure to verify the proper volume of detergent is being introduced to the wash sink.**

Calculate the number of seconds required to dispense the correct volume of detergent. Attach a short piece of tubing to the discharge side of the detergent dispensing pump. Hold a calibrated container under the discharge tube and press in and hold the primer button for the number of seconds previously calculated. Measure the volume of detergent that is dispensed. If the volume is too high, reduce the number of seconds on the timer. If the volume is too low, increase the number of seconds on the timer. Repeat this process until the dispensed volume is correct.

PUMP TIMER SETTINGS FOR SANITIZER SINK

Open the dual dispenser pump enclosure and locate the correct timer for the sanitizer dispenser pump. The correct timer is mounted on the **right-hand** side of the door. The DIP switches on the timer represent a specific number of seconds. Set any combination of the switches to **“ON”** in order to obtain the proper amount of pump run time in order to dispense the correct volume of detergent.

To determine the correct timer setting, measure the depth of the Power Soak unit (from the front edge to the back edge). Then, measure the Sanitizer Sink from the left side to the right side. Refer to the charts below to obtain the volume of the sanitizer sink.

Verify the proper volumetric ratio of sanitizer to water and set the DIP switches accordingly.

30" DEEP (FRONT TO BACK) SANITIZER SINK		34" DEEP (FRONT TO BACK) SANITIZER SINK	
TANK LENGTH (inches)	TANK VOLUME (gallons)	TANK LENGTH (inches)	TANK VOLUME (gallons)
14	18.0	14	20.9
16	20.6	16	23.9
19	24.4	19	28.4
20	25.7	20	29.9
24	30.9	24	35.8
30	38.6	30	44.8

As a rule of thumb, the pumps will discharge approximately .125 ounces of sanitizer per second. This number may fluctuate due to variations in the physical properties of the different types of sanitizers. **Be sure to verify the proper volume of sanitizer is being introduced to the sanitizer sink.**

Calculate the number of seconds required to dispense the correct volume of sanitizer. Attach a short piece of tubing to the discharge side of the sanitizer dispensing pump. Hold a calibrated container under the discharge tube and press in and hold the primer button for the number of seconds previously calculated. Measure the volume of sanitizer that is dispensed. If the volume is too high, reduce the number of seconds on the timer. If the volume is too low, increase the number of seconds on the timer. Repeat this process until the dispensed volume is correct.

PRIMING THE FEED AND DISCHARGE LINES

After both pump timers have been set, close and lock the door to the dispenser enclosure and locate the **“prime”** buttons for the Wash Detergent and Sanitizer pumps. The prime buttons are located under the enclosure on the left-hand side (Detergent) and right-hand side (Sanitizer). Press and hold the left prime button until the Detergent flows from the Wash Sink injector nozzle. Press and hold the right prime button until Sanitizer flows from the Sanitizer Sink injector nozzle.

Note: after priming both lines be sure to clean up any excess detergent or sanitizer remaining in the tanks.

The installation of the dual pump dispenser is now complete.

REPLACEMENT PARTS

To order parts, contact your Authorized Service Agent. Supply the model designation, serial number, part description, part number, quantity, and when applicable, voltage and phase.

CONTACT US

If you have questions pertaining to the content in this manual, contact Power Soak at 888-994-7636 or powersoak.com

Diagram

