



## OPERATOR MANUAL

IMPORTANT INFORMATION, KEEP FOR OPERATOR

888-994-7636, fax 888-864-7636  
unifiedbrands.net

**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:

### SILVER SOAK PRE-WASHING SYSTEM



## INTRODUCTION AND CONVENTIONS

### PRODUCT INTRODUCTION

Thank you for purchasing a Silver Soak Pre-washing System. When used properly, your system will provide years of dependable, efficient and trouble-free service. As a Silver Soak owner, you will benefit in numerous ways:

- Your silverware washing operation will be more efficient.
- Your silverware will be cleaner and your customers will enjoy an enhanced experience.
- Demands on your spray washer will be drastically reduced.
- The need for hand polishing will decrease or be eliminated, and employee morale will increase.
- Chemical and water usage will decrease.

Every system is manufactured to last, with high-quality, heavy-duty, 14 gauge stainless steel used in its construction. All electrical components are of the highest quality. The system is easy to use, gentle on silverware, and very compact.

At Power Soak, we take pride in manufacturing the Power Soak line and are committed to standing behind our customers and products. Should you ever need assistance, please contact us directly by dialing 888-994-7636 or fax: 601-371-9732.

This manual covers the following Silverware Pre-washer types:

**MOBILE:** These pre-washers are designed with legs equipped with casters to allow them to move about the scullery. They may also be moved to bussing areas of banquet halls or other locations where permanent installation is not practical. They are drained into floor sinks, and they are filled with a tempered (110-115°F) portable water supply. Available at 115V only with built-in power cords.

**STATIONARY:** These stand alone pre-washers are not portable but do not require permanent installation into an existing dish table. They are designed with legs but do not have casters. The drain and faucet connections are typically hard plumbed per local code. They are filled with a tempered (110-115°F) portable water supply. The electrical connection is typically hard wired per local code.

**DROP-IN:** These pre-washers are mechanically installed into dish tables. See installation manual for cutting hole to accept the drop-in unit into a dish table. The Drop-in pre-washer uses a flange and clamp to lock itself into the dish table opening. The drain and faucet connections are typically hard plumbed per local code. They are filled with a tempered (110-115°F) portable water supply. The electrical connection is typically hard wired per local code.

**WELD-IN:** These pre-washers are designed to be integrally welded into new or existing dish tables. See installation manual for cutting hole to accept the weld-in unit into a dish table. The drain and faucet connections are typically hard plumbed per local code. They are filled with a tempered (110-115°F) portable water supply. The electrical connection is typically hard wired per local code.

### EXPLANATION OF WARNING MESSAGES

Read, understand and follow all DANGER, WARNING, and CAUTION messages located in this guide and on the equipment.



#### Danger

Personal Injury and Property Damage hazard.

May result in serious injury or death.

May cause extensive equipment damage.



#### Warning

Property Damage Hazard.

May result in property or equipment damage.



#### Chemical Hazard

May result in serious injury or death. Instructions, labels and Material Safety Data Sheets (MSDSs) should be supplied with all cleaning chemicals by the chemical supplier.

Power Soak is not a manufacturer, importer, or distributor of cleaning chemicals. Power Soak, Inc. will not make specific brand recommendations for these chemicals.

## REQUIREMENTS FOR SILVER SOAK PRESOAK

**CAUTION: THE SILVER SOAK WILL USE THE SAME SILVERWARE PRE-SOAK THAT IS USED FOR MANUALLY PRESOAKING SILVER WARE.**

**DETERGENTS:** Improper detergents may damage equipment! Use of the correct detergent in your pre-wash system is critical to its washing performance. If you are having problems with cleaning results, please contact Power Soak Systems.

**SANITIZATION:** The Silver Soak Pre-washing System does not sanitize the items it cleans. The purpose of the pre-washer is to break down, remove, and soften the soils on the silverware with recirculating hot water and presoak solution to provide one pass washing of silverware through the dish machine. **THE PRE-WASHER MUST NOT BE USED ALONE TO CLEAN OR SANITIZE SILVERWARE.**

**FACTORY ASSISTANCE:** If your chemical sales representative is having difficulty selecting a detergent, or if you are getting poor results with the chemicals your representative has recommended, please contact Power Soak at 888-994-7636.

## INSTALLATION

**WARNING: BE SURE TO FOLLOW ALL APPLICABLE NATIONAL AND LOCAL SANITATION CODES WHEN INSTALLING YOUR SYSTEM.**

Refer to the Silver Soak Pre-washing System **INSTALLATION** manual that ships with the unit. Follow these instructions exactly. Should you need assistance, please contact us directly by dialing 888-994-7636.

## OPERATION

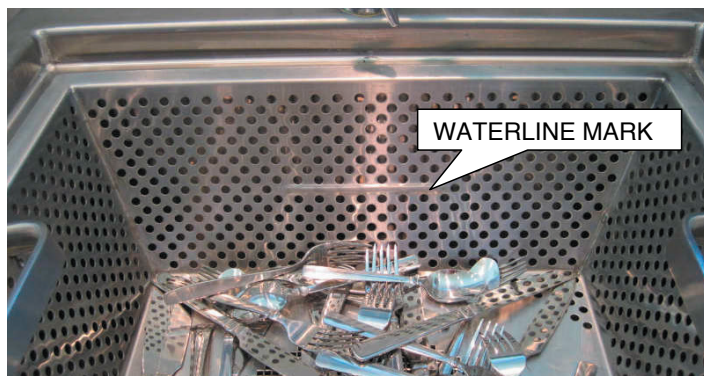
### FILLING THE SYSTEM

Fill the tank with water that is metered to approximately 110-115°F / 48°C.

A good rule of thumb is that the water should be hot to the touch but not so hot that it is uncomfortable.

Fill the tank with water to the “waterline” marks in the basket. Once the pre-wash chemical is added start the Silver Soak. (See **STARTING AND STOPPING WASH ACTION**).

The Silver Soak does not have a wash tank heater, but will maintain wash tank temperature when running. Volumization will usually occur and suds should reach the second or third row of holes in the top of the basket. The suds will break down as soiled silverware is added to the wash tank.



### ADDING DETERGENTS

#### Automatic Chemical Dispensing

Consult with your chemical provider if you intend to use an automatic chemical dispensing system capable of metering liquid chemicals into the wash tank. Your provider can set up a dispenser to release the proper dose for each tank refill.

#### Manual Chemical Dispensing

After the tank has been filled with water, add the proper amount of detergent based on advice from your chemical supplier.

Most detergents lose effectiveness with time. One fill with detergent usually lasts one meal period depending on the soil load. It may need to be drained and refilled with detergent if the wash water becomes too soil laden.

## INTRODUCING SILVERWARE TO THE PRE-WASHING SYSTEM

**WARNING: DO NOT WASH GLASS IN THE PRE-WASHING SYSTEM.**

Place soiled silverware in the basket which rests in the top of the tank. Observe the following points to obtain the most efficient pre-washing:

- Dirty silverware should be brought to the Power Soak in a timely manner. Do not allow utensils to sit and air dry. The quicker that items are brought to the pre-washer and placed in the basket, the easier they are to clean.
- Do not arrange the silverware in the basket. Simply drop utensils randomly into the basket taking care in putting only silverware in the basket and not paper, straws, etc.
- It is important not to overload the basket. Silverware should not protrude out of the water during pre-washing.

If silverware is accidentally added to the pre-washer tank without the basket in place, turn the unit off, drain the wash water, and remove the silverware. Place the items in the basket, and refill the system as normal.



BADLY OVERLOADED BASKET



PROPERLY LOADED BASKET

There are no moving parts within the basket that could cause bodily harm.

### STARTING AND STOPPING THE WASH ACTION

Turn the handle on the control to the ON position to operate the unit. On mobile and stationary units, the control will be located near the pump motor.

On weld-in and drop-in units, the switch will usually be mounted under the dish table adjacent to the pre-washer.

Before draining, to change wash water, return the handle to the OFF position.



### WASHING TIME

Silverware should not be loaded above, or sticking out of, the wash water.

The silverware is in the basket for about 5 minutes for optimum cleaning, but when the basket is full, it should be removed and sorted to run through the dishmachine.

Within several days, all the silverware that is on site will have been in the Silver Soak at least 5 minutes and all will be able to be washed with one pass warewashing.

The Silver Soak typically will last one meal period with one fill, depending on soil load conditions.

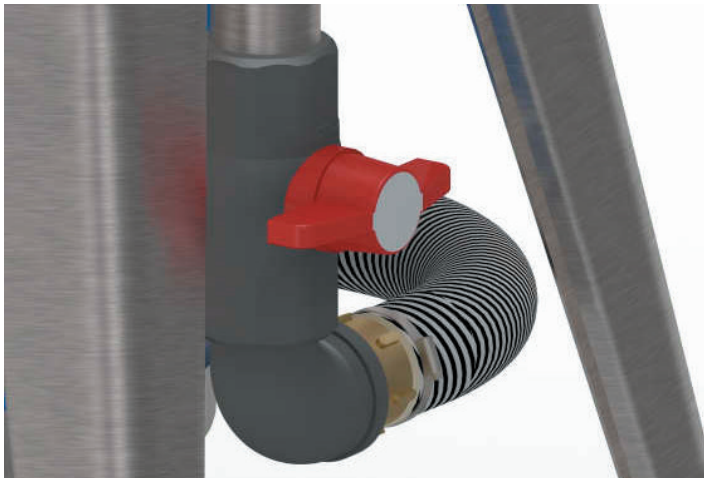
### REMOVING THE PRE-WASHED SILVERWARE

1. Turn the unit off. Use both hands to grasp the handles at the top of the basket, lift up, shake the basket to remove excess water, and move the basket to a dish table.
2. Immediately place the second basket into the pre-washer. Note: Do not add silverware to the pre-wash unit unless the basket is in place.
3. Turn the unit on to begin washing the next batch.
4. Immediately sort the silverware into cylinders or a compartmentalized basket eating end up and run through a dish machine one time.

## REPLACING THE WASH WATER

When the water in the pre-washer becomes soil-laden and the detergent is expired, it must be replaced.

Open the drain valve to release the spent water and detergent.



When all the dirty water has drained out, flush the tank with clean water to remove any debris that remains.

Remove the drain screen by lifting it straight up and clean it in a scrap sink.



Close the drain valve, replace the drain screen and silverware basket. The pre-washer is now ready to refill.

## MAINTENANCE

**DANGER: TURN OFF THE POWER TO THE UNIT AT THE MAIN BREAKER PRIOR TO PERFORMING THE FOLLOWING TASK!**

Your Silver Soak Pre-washing System requires minimal routine preventive maintenance. The following procedures should be done on a routine basis to ensure that your system remains reliable:

Clean the pump motor fan shroud with a damp, soapy rag. The motor shroud is the “vented” cover located on the bottom of the motor. This will prevent grease and dust from accumulating in the cover’s openings, which can obstruct the airflow that cools the motor.

De-lime the wash tank. Simply add a de-liming agent and warm, fresh water filled to the water line, and run the system overnight. Ask your chemical sales representative to recommend a specific de-liming agent.

There are no other preventive maintenance procedures that you will need to perform on your Silver Soak Pre-washing System. You need not be concerned about greasing the motor bearings as they are permanently lubricated and sealed. If you have any questions regarding the preventive maintenance procedures, please contact the factory at 888-994-7636.

## 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.



## TROUBLESHOOTING

**DANGER: ONLY A LIMITED NUMBER OF TROUBLESHOOTING AND REPAIR PROCEDURES MAY BE PERFORMED BY THE FACILITY OWNER OR MANAGER. ANY TROUBLESHOOTING OR REPAIR THAT REQUIRES THE REMOVAL OF FASTENERS OR THAT ENTAILS ELECTRICAL SERVICE MUST NOT BE ATTEMPTED BY ANYONE OTHER THAN AN AUTHORIZED SERVICE AGENCY. TO OBTAIN THE NAME OF A RECOMMENDED SERVICE AGENT IN YOUR AREA, PLEASE CALL POWER SOAK AT 888-994-7636.**

If the above trouble shooting procedures do not correct the problem, you may contact Power Soak at 888-994-7636 or an authorized service agency.

SYMPTOM	POSSIBLE CAUSE	PROCEDURE
Pump motor will not run	Circuit breaker accidentally turned off	Turn breaker on
	Circuit breaker tripped	Investigate reason for tripping, e.g. damaged wiring, undersized breaker. CONTACT POWER SOAK SERVICE OR AN AUTHORIZED SERVICE AGENCY.
	Power cord unplugged (mobile models so equipped)	Reconnect plug
	Motor thermal overload tripped	Investigate reason for overload tripping, e.g. debris stuck in pump impeller. If debris removal requires that you remove any fasteners, YOU MUST CONTACT POWER SOAK SERVICE OR AN AUTHORIZED SERVICE AGENCY. Once rectified, reset thermal overload by pressing button on bottom of motor junction box.
	Start capacitor defective (single phase motors)	Replace capacitor. To do this, YOU MUST CONTACT POWER SOAK SERVICE OR AN AUTHORIZED SERVICE AGENCY.
Pump motor runs, but water flow is inadequate	Motor is running on the wrong voltage	Confirm that the house wiring supply is appropriate for the motor nameplate data. Reconnect motor internal leads according to the motor nameplate instructions. YOU MUST CONTACT POWER SOAK SERVICE OR AN AUTHORIZED SERVICE AGENCY to make these changes.
	Motor is running the wrong direction	For three phase motors, reverse any two motor leads. For single phase motors, reconnect motor internal leads according to the motor nameplate instructions. YOU MUST CONTACT POWER SOAK SERVICE OR AN AUTHORIZED SERVICE AGENCY to safely change the rotation.
Unit makes a loud, steady noise when running	Debris caught in the motor's cooling fan	Lock and tag out the electrical power from the unit, remove the motor fan cover, and remove the debris. Replace the fan cover and restore the power. For this task, YOU MUST CONTACT POWER SOAK SERVICE OR AN AUTHORIZED SERVICE AGENCY.
	Motor seal running dry	Lock and tag out the electrical power from the unit, remove the motor fan cover, and squirt some low viscosity oil such as WD40 between the fan and the motor end bell. Replace the fan cover and restore the power. YOU MUST CONTACT POWER SOAK SERVICE OR AN AUTHORIZED SERVICE AGENCY for service of this nature.
	Debris caught in the pump impeller	Lock and tag out the electrical power from the unit. Remove the four 1/4-20 x 1-1/4 impeller shroud retaining screws adjacent to the motor. Remove the basket and lift the impeller shroud out. Remove debris from the impeller and reassemble. YOU MUST CONTACT POWER SOAK SERVICE OR AN AUTHORIZED SERVICE AGENCY for this service.

Silverware is not getting clean	Unit is being filled with cold water	Drain and refill with 115°F water.
	Pieces are nesting	Avoid sorting the pieces by type, e.g. all spoons being washed, followed by all forks being washed, etc.
	Too much food soil is being left on the silverware when the basket is loaded	Rinse off heavy accumulations of food soils before the pieces are loaded into the basket. This will avoid weakening the detergent.
	Food soils are dried onto the silverware before being loaded into the basket	Allow the silverware to pre-wash for a longer period of time.
	Basket is being overloaded	Remove silverware until the level is at or below the fill line inside the basket. Spread the silverware out into a uniformly thin layer on the basket bottom. Do not allow the silverware to remain in a thick pile.
	Ineffective detergent is being used	Consult with your chemical supplier to determine the best chemical for your application.
	Low water level	Water level should be even with the fill line inside the basket when the unit is off.
	Exhausted detergent	Drain the unit and refill it with fresh detergent and 115°F water. Experiment with refreshing the water and detergent more often.
	Insufficient detergent	Follow the chemical supplier's instructions exactly for best results.
	Insufficient wash time	Highly intricate silverware and stubborn soils will require extra wash time.

## Service Log

Model No:	Purchased From:
Serial No:	Location:
Date Purchased:	Date Installed:
Purchase Order No:	For Service Call:

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