PS-200

INSTALLATION GUIDE

ATTENTION INSTALLATION CREW:

Please review and refer to the following instructions prior to installing the Power Soak warewashing system.

This installation should only be performed by licensed and certified plumbers and electricians and all work should conform to all local, state and national regulatory agency requirements.

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Part #: 29222
Rev: 1

1. If not already installed, have a licensed and certified electrician install the proper electrical service for the new Power Soak® system. The chart below shows the different configurations for all available systems. Use the provided tables to determine the appropriate breaker (overcurrent protection) and wire size for the system's dedicated electrical service.

IMPORTANT: USE COPPER CONDUCTORS ONLY.

Power Soak® Systems with Heaters

HP	Phase	Hz	System Voltage	Minimum Supply Conductor (AWG)	Minimum Overcurrent Protective Device (Amps)
1.5	1	60	208	8	50
2	1	60	208	8	50
1.5	3	60	208	10	30
2	3	60	208	10	30
3	3	60	208	8	40
5	3	60	208	8	40
1.5	1	60	230	8	50
2	1	60	230	8	50
1.5	3	60	230	10	30
2	3	60	230	10	30
3	3	60	230	8	40
5	3	60	230	8	40
1.5	3	60	480	14	15
2	3	60	480	14	15
3	3	60	480	12	20
5	3	60	480	12	20
1.5	1	50	220	8	40
2	1	50	220	8	50
1.5	3	50	380	10	30
2	3	50	380	10	30
3	3	50	380	10	30
5	3	50	380	10	30

Power Soak® Systems without Heaters

HP	Phase	Hz	System Voltage	Minimum Supply Conductor (AWG)	Minimum Overcurrent Protective Device (Amps)
1.5	1	60	208	14	15
2	1	60	208	14	15
1.5	3	60	208	14	15
2	3	60	208	14	15
3	3	60	208	14	15
5	3	60	208	12	20
1.5	1	60	230	14	15
2	1	60	230	14	15
1.5	3	60	230	14	15
2	3	60	230	14	15
3	3	60	230	14	15
5	3	60	230	12	20
1.5	3	60	480	14	15
2	3	60	480	14	15
3	3	60	480	14	15
5	3	60	480	14	15
1.5	1	50	220	14	15
2	1	50	220	14	15
1.5	3	50	380	14	15
2	3	50	380	14	15
3	3	50	380	14	15
5	3	50	380	14	15

NOTE

The best location for the electrical service depends on the type of system purchased (left-to-right vs. right-to-left, etc). Specific guidelines for locating the electrical service can be provided when, the system configuration is determined. You must also ensure that the electrical installation meets all applicable electrical codes for your location.

2. If necessary, have the existing grease trap relocated or removed and replaced.

IMPORTANT

DO NOT UNCRATE THE EQUIPMENT UNTIL STEPS 3 and 4 HAVE BEEN COMPLETED

3. Verify that the pump assembly is on the correct side of the unit as specified in the ordering instructions.

4. Verify that the electrical requirements for the system are the same as the electrical service at your location.

5. Uncrate the Power Soak® system.

6. If the new Power Soak® system ***is not a retrofit*** for an existing sink, skip to Step 11. If the new system ***is a retrofit***, proceed to Step 7.

7. Shut off the main hot and cold water supplies.

8. Cut the hot water supply, cold water supply and drain pipes at the existing sink.

IMPORTANT

Be sure to leave enough of the existing piping to allow for the installation of the new shutoff valves.

9. Detach and remove the existing sink and any above-sink or below-sink shelving that will be in the way of the new system.

10. Clean the wall(s) where the new system will be installed and caulk all unused screw holes, pipe holes, etc. Blank off any outlets behind or above where the new unit will be installed.

11. Extend the existing supply and waste pipes from the wall. Dimensional requirements are as follows:

    - Hot and cold water supply lines must be **½" diameter minimum.**
    - Centerlines of the hot and cold water supply lines must be **10" or less** above the floor to allow access to the shutoff valves when the system is installed.
    - Waste drain must be **1 ½" diameter minimum.**
    - Centerline of the waste drain must be **11" or less** above the floor to allow the sink to drain properly.

12. Install the shutoff valves to the hot and cold water supply lines.

13. Lay the Power Soak® system on its back to allow access to the bottom of the tanks.

14. Install all three drain valves and handles. Ensure that the drain valves and handles are properly oriented for **rear exit** draining.

15. If applicable, assemble the stretchers and leg-sets and insert into the leg sockets located on the bottom of the sinks. Verify that the legs are completely inserted into the sockets. Once assembled, tighten the set screws of all the leg and stretcher sockets. **Important! - Once the set screws have been tightened apply the supplied, NSF approved clear silicone over all the set screws to properly seal them.**

16. Set the unit upright. If the unit shipped in one piece, go to step 22. If the unit is a two piece system, dry fit the two halves together. The lip of the rinse tank will slide over the edge of the wash tank.

17. Check the alignment and fit of the two halves. If necessary adjust the leveling feet to ensure a correct fit.

18. Separate the two halves.

19. Apply the **gray-colored** NSF approved sealant (provided with the unit) to the underside of the rinse tank lip and all interior surfaces of the wash tank trim plate. Reassemble the two halves and remove any excess sealant that squeezes from the hem joint.

20. Bolt the front of the rolled rim and backsplash together using the pre-drilled holes and hardware provided with the unit.

21. Seal the backsplash, the rolled rim, the trim plate and all gaps between the two sinks with the **gray-colored** NSF approved sealant supplied with the unit.

22. Fasten the male and female multi-pin connectors on the wiring harness (located under the unit) together and hand tighten the threaded collar.

23. If the Power Soak® unit has a soap/sanitizer dispensing system, the multi-pin electrical connection must be hooked up to the back of the dispenser enclosure and the delivery hoses must be run from the pump to the wash tank and sanitizer tank chemical injectors. The hoses may be run along the wire harness and loosely hung with zip-type wire ties. **Refer to the chemical dispenser installation instructions for more detail.**

24. Attach the preassembled scrapper and/or pre-rinse sprayer unit to the faucet assemblies.

25. Position the sink assembly so the backsplash rests against the wall. Verify clearances of supply and drain plumbing and that the unit is level. Drill through the backsplash and attach the Power Soak® unit to the wall using #10 stainless steel screws. Once the unit is fastened to the wall, seal the top of the backsplash with the **clear** NSF approved sealant provided with the unit.

26. Fasten the sprayer standpipes to the wall using the two standoff brackets provided in the sprayer kit. **If necessary, cut the rods to the appropriate length.**

27. Assemble the waste plumbing under the sanitizer sink (the sink that is farthest from the wash tank).

28. Assemble the remaining drain plumbing,

29. Have a certified and licensed electrician complete the electrical connections between the Power Soak® system and the dedicated electrical service. **DO NOT connect the system using a power cord and plug or an extension cord of any kind.**

IMPORTANT

Electrical installation shall conform to all applicable local wiring codes and be installed in a manner so that electrical connections made in the field are liquid tight and readily accessible for inspection after installation without moving the Power Soak system or its accessories.

30. If necessary, reinstall any shelving above and below the Power Soak® system. If the existing shelving is damaged or corroded it is recommended that the shelving be replaced.

31. Fill all sinks and check for leaks in the supply line connections.

32. Run the system and verify proper system operation per the **"Controls and Features"** section of the Owner's Manual.

33. Have the electrician check the power to the Power Soak® system while it is running to verify that the power supply is correct.

34. Drain all sinks and check for leaks in the drain lines and connections.