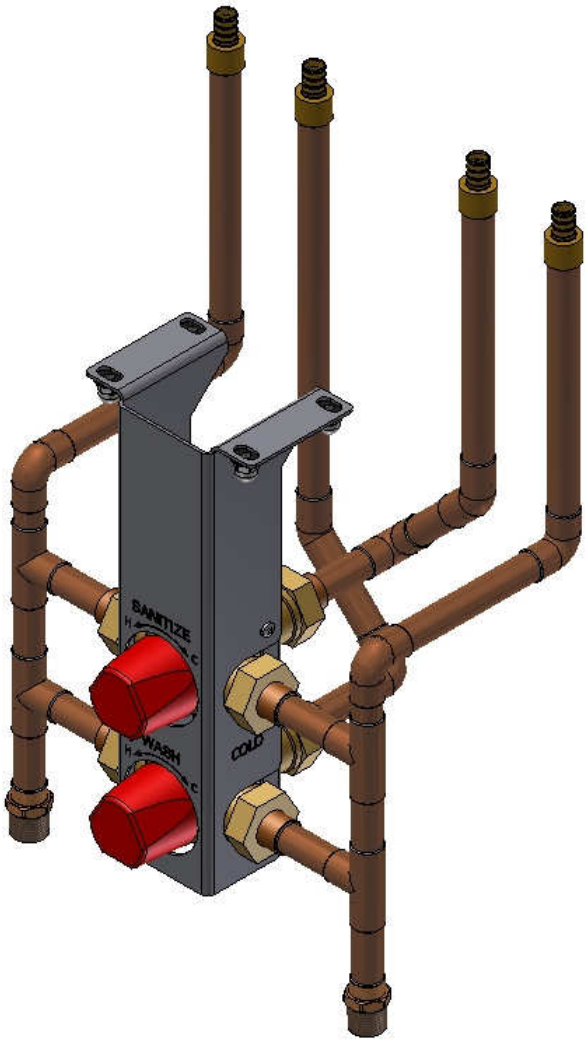
Power Soak®

Installation Manual

Water Tempering Manifold



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Introduction

The Power Soak Systems water tempering system provides a simple method for filling the wash and sanitize tanks of the Power Soak continuous motion pot washing system for consistent results and code compliance. When used in conjunction with a chemical dispensing system, it ensures optimal wash and sanitize conditions.

The system consists of two adjustable mixing valves mounted in a bracket under the sink and some proprietary fittings for passage through the backsplash. In order to work properly, they must be plumbed and tested at the time of the Power Soak installation. This tempering system must be installed only by licensed contractors adhering to local codes and ordinances. Refer to the installation instructions for the appropriate Power Soak unit for all components not part of the tempering system.

Attention Installer

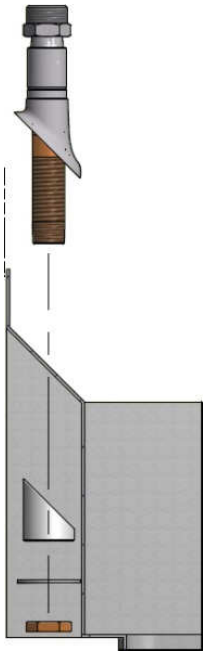
The tempering valve manifold system is supplied with 1/2" MNPT fittings for the incoming supply and 1/2" PEX barbed fittings for the manifold discharge. Any modifications required to make this assembly comply with local codes are the responsibility of installer.

If modifications are required:

- To prevent damage to valve from excessive heat during soldering, remove unions and gaskets from valve body prior to soldering.
- After soldering, flush piping and install valve using filter washer on hot and cold water inlet and fiber washer on the mixed water outlet.

Installation Instructions

1. With the sink set up on its feet, install the tempering valve bracket and manifold to the bottom of the unit between the rinse and sanitize sinks using the cap nuts found on the mounting studs. See drawing included in this document.
2. Install the pass through fittings using a small amount of silicone sealant to seal the flange face to the backsplash.



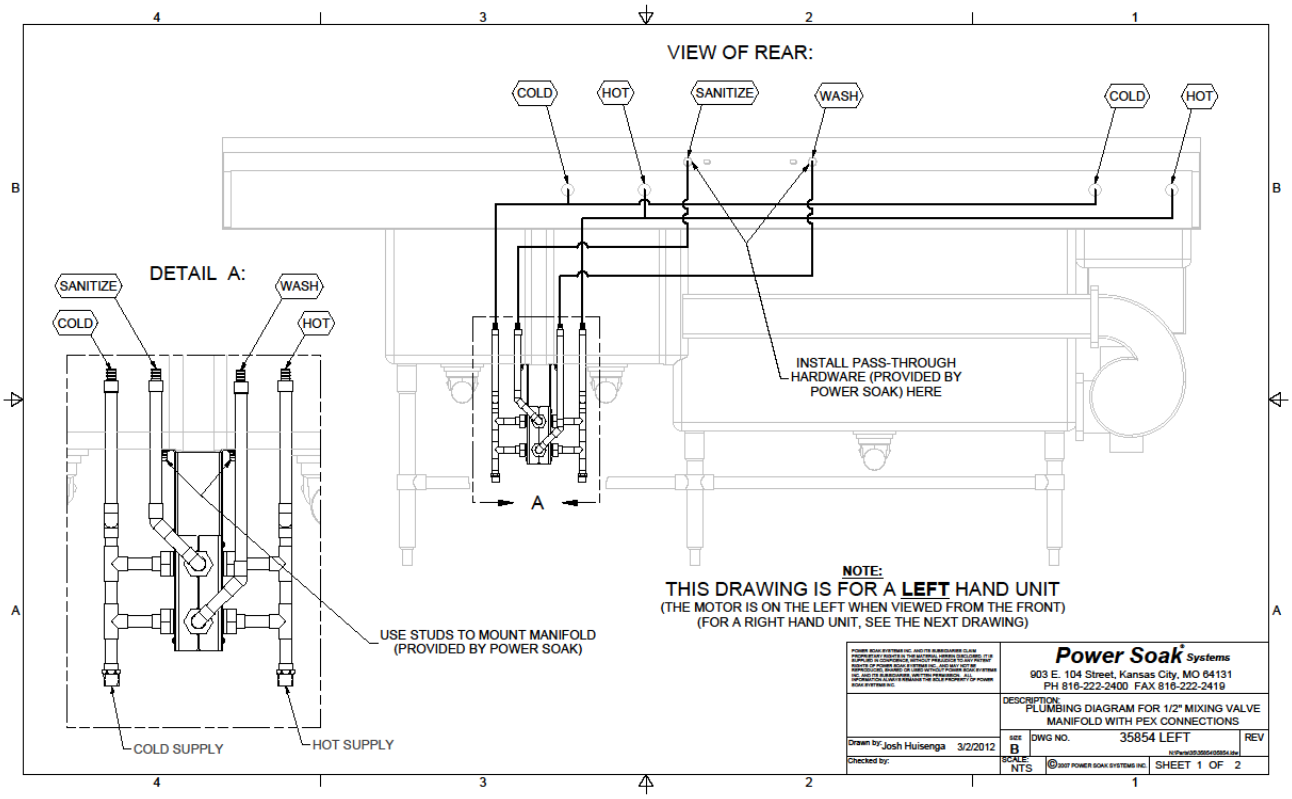
Detail of pass through fitting and backsplash

3. Note that mixing valve ports labeled H are for connection to hot water, ports labeled C are for connection to cold water, and ports labeled M are for connection to mixed (outlet) lines.
4. Plumb the faucets, pre-rinses, and mixing valve manifold as shown in drawings included in this document. Fittings and pipe are not furnished by Power Soak. Power Soak-provided manifold discharge connections are ½" PEX barb fittings. Power Soak-provided faucet and pass through connections are sweat connections. Adapting hardware and fittings are not provided by Power Soak.
5. Install the chemical dispensing equipment or cap the 45 degree backsplash pass-through fittings. (Cap is not provided by Power Soak.)
6. Complete the installation of the Power Soak unit including anchoring the Power Soak and pre-rinse risers to the wall.
7. Flush the hot and cold supply lines before final fresh water connections to the Power Soak tempered water system manifold.
8. Turn on the utilities and inspect for leaks.

Temperature Adjustment

The tempering system is factory set to supply wash water temperature of 110℉ and sanitizer water temperature of 75℉. If additional adjustment is required:

1. Let water flow for at least two minutes to allow supply temperature to stabilize.
2. Calibrate the mixed water outlet temperature by placing a thermometer in the mixed water stream.
3. To adjust the setting of the valve, loosen locking cap screw with hex wrench. Cap must be lifted ¼" to adjust temperature. To increase the temperature, turn counterclockwise. To decrease temperature, turn clockwise.
4. Lower cap and tighten screw.
5. Check outlet temperature.



NOTE:

THIS DRAWING IS FOR A **LEFT** HAND UNIT

(THE MOTOR IS ON THE LEFT WHEN VIEWED FROM THE FRONT)
(FOR A RIGHT HAND UNIT, SEE THE NEXT DRAWING)

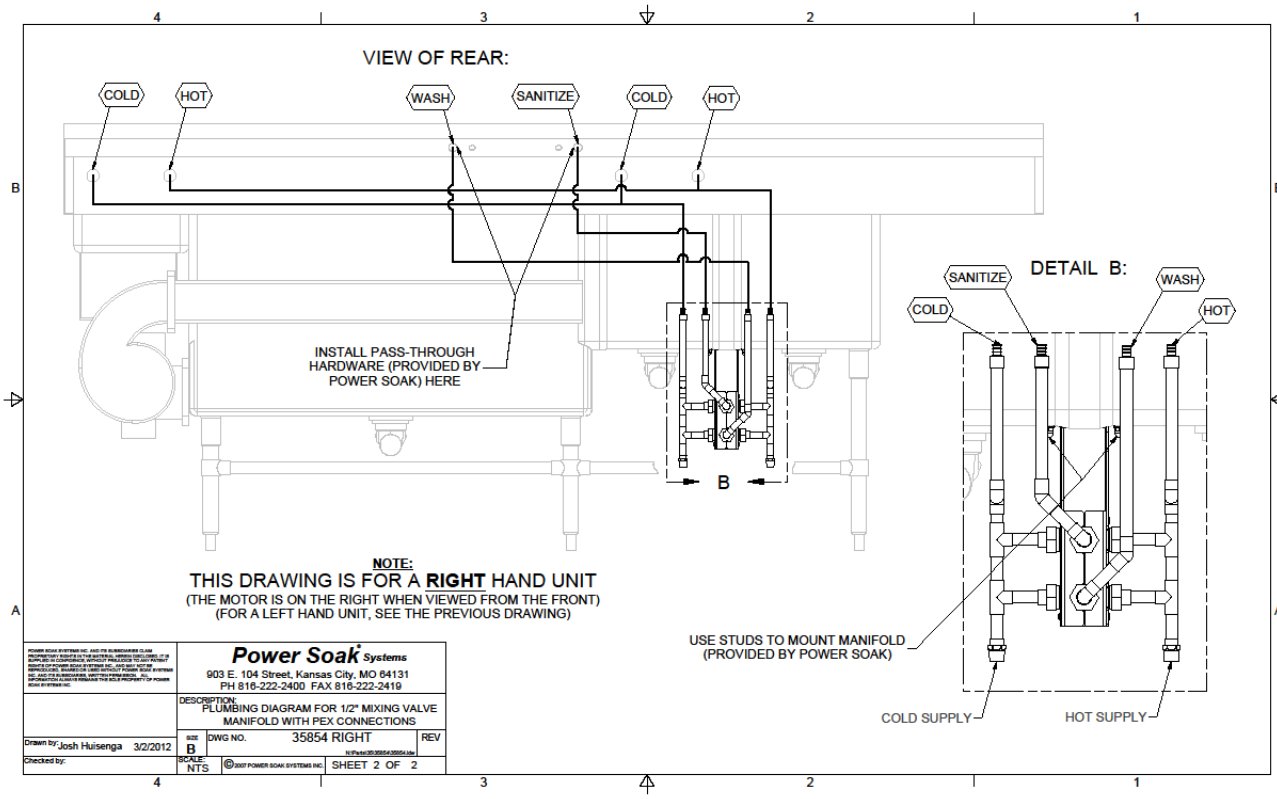
Power Soak Systems
903 E. 104 Street, Kansas City, MO 64131
PH 816-222-2400 FAX 816-222-2419

DESCRIPTION: PLUMBING DIAGRAM FOR 1/2" MIXING VALVE MANIFOLD WITH PEX CONNECTIONS

Drawn by: Josh Huisenga 3/2/2012
Checked by:

SIZE B | DWG NO. 35854 LEFT | REV
SCALE: NTS

SHEET 1 OF 2



NOTE:

THIS DRAWING IS FOR A **RIGHT** HAND UNIT

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Part#: 35854
Rev: C
Original release: David Gast 3/4/2011
Rev B: James Stoneburner 4/16/12
Rev C: Charlie Packer 11/08/16