

"QUALITY PUMPS SINCE 1939"

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.

**ZOELLER**  
PUMP CO.



SECTION: 2.60.046

FM2591

1210

Supersedes

0710

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## 109 Series

### SRS Features:

- Preassembled – includes hoses, tank, pump and fittings
- Internal reusable filter sock captures debris
- Meets flushing requirements for tankless water heating systems

### Specifications:

- Pump – 1/6 HP, 3.0 FLA, 345 watts, 115V, air-filled (no oil), quiet running submersible pump
- Tank & Lid – 5 gallon polyethylene tank with stainless steel hardware
- 3/4" stainless steel braided flush lines
- Stainless steel handles
- Corrosion resistant components
- Recirculation rate: 3 gallons per minute\*
- 100% factory assembled

\*Will vary with application.

**⚠ WARNING** This product is not approved for use with any chemical **other than food grade vinegar**. Other acidic or caustic chemicals will cause premature failure of the pump and are therefore not approved for use with this system. Use of alternate chemicals will void the manufacturer's warranty.



"QUALITY PUMPS SINCE 1939"

## SRS™ SCALE REMOVAL SYSTEM



Removes line  
build-up in  
tankless water  
heating units

Patent Pending

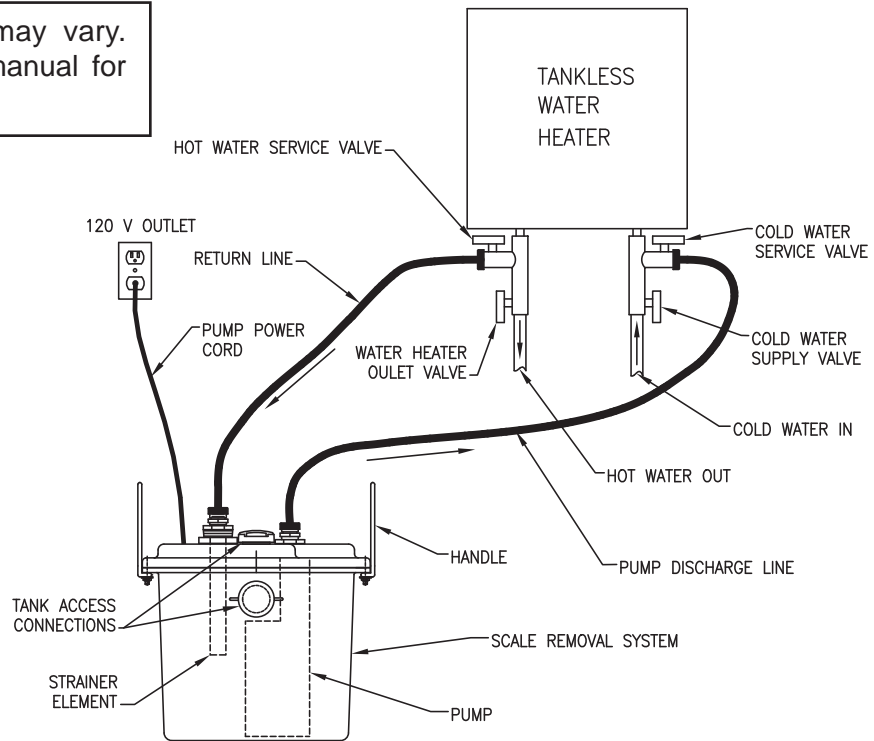


Product may not be exactly as pictured.

## Typical Installation

Water heater connections may vary. Consult appliance owner's manual for actual connection locations.

**SRS™** SCALE  
REMOVAL  
SYSTEM



SK2793

### Flushing/Descaling Procedures

- Follow and understand all safety related information provided with the tankless water heater as well as the flushing system before starting the flushing operation. Wear appropriate safety apparel including safety glasses and rubber gloves. Inspect all hoses and electrical cords for any kinks, cuts, etc. that could result in an electrical shock hazard or fluid leakage. Replace any worn or damaged components. Consult appliance instruction manual for complete flushing instructions.
- Disconnect power to the tankless water heater, following the instructions provided with the appliance.
- Drain the water heater following the instructions provided with the appliance.
- Close the Cold Water Supply Valve and Water Heater Outlet Valve, isolating the heat exchanger.
- Connect a hose (supplied with the system) from the fitting labeled "Pump Discharge" on top of the Flushing System to the Service Valve on the Cold Water Supply side of the water heater.
- Connect a hose (supplied with the system) from the fitting labeled "Return" on top of the Flushing System to the Service Valve on the Hot Water outlet side of the water heater.
- Remove the black threaded cap on top of the system and add no more than 2 gallons of virgin food grade white vinegar to the tank. Replace the threaded cap. Make sure the included o-ring is properly seated in the cap to provide a leak proof seal.
- Open the Hot and Cold Service Valves to the water heater heat exchanger.
- Plug Power Cord from the Flushing System Pump to a properly grounded electrical receptacle. Never allow the pump to run without adequate liquid in the tank or possible damage to the pump may occur.
- Allow the pump to circulate the vinegar solution for at least 45 minutes or per the appliance manufacturer's recommendation (consult appliance instruction manual). Monitor the system for leaks or any peculiar behavior. Unplug the power cord if the pump stops, an external leak develops, or the flow is greatly reduced.
- After the required time expires, unplug the power cord from the receptacle.
- Close the Service Valve on the Cold Water Supply line and disconnect the hose end from the Service Valve.
- Disconnect the hose end from the Flushing System "Return" Line Connection and route it to a suitable drain or to a bucket. Connect an extra length of hose if necessary.
- Open the Cold Water Supply Valve to flush the water heater with fresh water, rinsing out the cleaning solution. Let the system flush for 5 minutes or as required per the appliance instructions. Monitor the discharge from the hose. If using a bucket, empty as needed.
- After the required time expires, close the Hot Water Service Valve and disconnect the hose.
- Open the Hot Water Supply Valve.
- Restore power to the heater system and return it to service.

### After completing the flushing operation:

- Discard the contents of the Flushing System by removing the threaded cap from one of the tank access connections on the top or side of the tank. Pour the contents into a suitable drain.
- Remove the Return fitting from the top of the tank to access the strainer assembly. The strainer element is connected to the fitting with a hose clamp. Loosen the clamp to remove the strainer. Discard the contents of the strainer and rinse away any remaining particles. Inspect the strainer for any tears or damage. Replace the strainer as needed. Order P/N 150786. Re-assemble the strainer to the fitting assembly and tighten clamp.
- Replace the fitting assembly into the cover of the tank.
- Add approximately one gallon of fresh water to the tank. Connect a hose to the Pump Discharge connection and route to a suitable drain. Plug in the pump to flush the vinegar solution out of the pump. Pour any remaining liquid from the tank and replace threaded caps.
- Store the pump system in an appropriate location to prevent damage by impact and temperature extremes.