

Installation Instructions for Model: SP3000 & SP3000-S

If installing the PH3000 Battery Backup, refer to the instructions packed with those extra parts.

Section 1: Model SP3000 Sump Pump Installation Instructions

Read all the instructions before attempting to install the Sump Pump.

Specifications:	
Pump Motor: Model: SP3000	110 VAC @ 3450RPM, 1- Phase ½ HP, 4.7 Amps
Pump Dimensions	8" Diameter Base x 12" H
Pump weight:	11 Lbs.
Float Switch:	Vertical Style, with mounting clamp
Water Alarm:	9 VDC Battery Operated
Flow Rates:	3,000 GPH @ 10' lift 3,200 GPH @ 5' lift, 26 feet max
Additional Parts & Supplies Needed:	
PVC Primer and Cement (small cans)	Tools Needed: Hand saw and/or PVC cutting tool
Teflon Tape or Pipe Sealant (Dope)	Utility knife, tape measure, large adjustable pliers
	Phillips and slotted screwdrivers



Refer to separate instructions for pump information
Note: Use Teflon tape or pipe sealant (dope) on ALL threaded fittings.
Use PVC Primer & Cement on ALL socket joints.

Step 1: Pump Assembly

Find the PVC male threaded adapter, the 12" long pipe, and check valve.

- Cement the 1½" PVC male threaded adapter to the end of the pipe closest to the "vent hole."
- Screw this assembly into the sump pump discharge opening securely.
- Cement the check valve to the other end (top) of the pipe.
- **The vent hole must be at the bottom and the check valve flow arrow MUST point upward!**



Step 2: Float Switch

You may leave the float switch attached to the pump **OR** you may remove the float bracket from the pump and attach the enclosed float bracket into the last screw hole of bracket, as shown. Then place the hose clamp around the bracket as shown and attach the float securely to the discharge pipe at the desired elevation. This allows greater flexibility in pump operation.



Step 3: Pump Placement

Place the assembled pump on the sump bottom in the desired location making sure the float does not interfere with the sump wall, wires, or pipes. Complete the rest of the discharge piping, as needed.

Step 4: Power Source

Plug the pump into an isolated, ground fault protected (GFCI) wall outlet. Test the pump for operation and leaks.

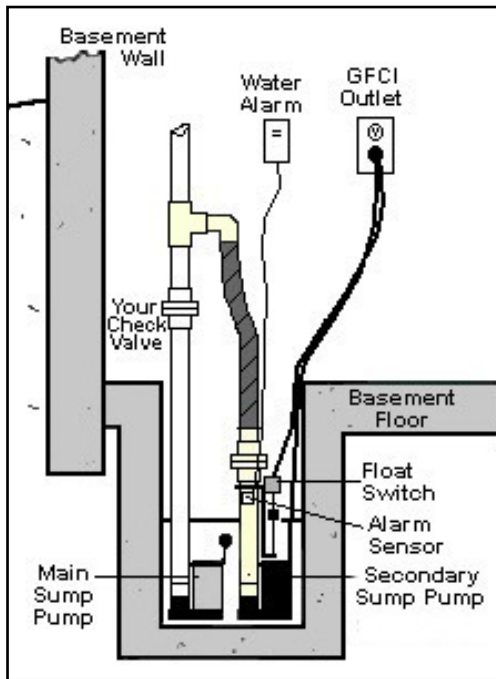
Step 5: Water Alarm

Refer to separate instructions included with the alarm and keep them for future reference.

⚠ WARNING	ELECTRICAL SHOCK HAZARD Disconnect power before installing or servicing this product. A qualified service person must install and service this product according to applicable electrical and plumbing codes.	⚠ WARNING	EXPLOSION OR FIRE HAZARD Do not use this product with flammable liquids. Do not install in hazardous locations as defined by National Electrical Code, ANSI/NFPA 70.
			
Failure to follow these precautions could result in serious injury or death. Replace product immediately if switch cable becomes damaged or severed. Keep these instructions with warranty after installation. This product must be installed in accordance with National Electric Code, ANSI/NFPA 70 so as to prevent moisture from entering or accumulating within boxes, conduit bodies, fittings, float housing, or cable.			

Section 2: Model SP3000-S Secondary/Stand-by Pump Instructions

Refer to drawing throughout the installation.



Note: Use Teflon tape or pipe sealant (dope) on ALL THREADED FITTINGS.

Use PVC Primer & Cement on ALL SOCKET JOINTS.

Step 1: Pump Assembly

Find these PVC Parts: Male threaded x socket adapter, Male threaded x spigot adapter, 12" pipe, Check Valve, (2) Hose barb male adapters, 90° Elbow, and 2" Tee (2) Reducer bushings. See photo above.

- Cement the 1½" PVC male threaded x socket adapter to the end of the pipe closest to the "vent hole."
- Screw this assembly into the sump pump discharge opening securely.
- Cement the check valve to the top of the pipe, as shown. **The flow arrow MUST point upward.**
- Cement one hose barb male adapter into top of check valve. **Don't drip cement into the check valve!**



Step 2: Float Switch

You may leave the float switch attached to the pump and place the pump on a block or brick at the desired height for proper operation, **OR** you may remove the bracket from the pump and attach the enclosed float bracket into the last screw hole of bracket, as shown. Then place a hose clamp around the bracket as shown and attach the float securely to the discharge pipe at the desired elevation. This allows you to place the pump on the bottom of the sump.



Step 3: Pump Placement

Place the assembled pump in the sump pit next to the main sump pump. Make sure the float does not interfere with the sump wall, wires, pipes, or the main pump float. **Note:** You may elevate the pump above the primary pump if desired, but it will only pump down to its base and the float **MUST** be set so it does not run dry.

Step 4: Discharge Piping

To operate main and backup pumps at the same time, use 2" discharge piping to the outdoors and the 2" Tee without the bushings; otherwise use 1½" discharge pipe and the 2 bushings.

- **Screw** the threaded x spigot male adapter into the threaded opening of the Tee.
- **Cement** the elbow onto the bushing.
- **Clamp** the flexible hose to the barb adapter on the top of the discharge pipe assembly and use it to measure from the pump to the discharge pipe of the main sump pump above the existing check valve.
- **Mark** the location of the Tee assembly on the discharge pipe. Hose may be cut to fit, if necessary.
- **Cut and remove** a 2" section from your main pump discharge pipe at the marked location.
- **Cement** the Tee into position in the correct direction on the main pump discharge pipe.
- **Place** a stainless steel hose clamp on top end of the hose and push the flexible hose onto the male hose barb connector at the Tee assembly. Twist hose clockwise to help with this. Tighten the hose clamps securely at both ends.



Step 5: Power Source

Plug the pump into a GFCI protected wall outlet and confirm that the electrical circuit is adequate to handle both pumps operating. If not, you may need to consult with an electrician.

Step 6: Water Alarm

Refer to separate instructions include with the alarm and keep them for future reference.

Maintenance Procedures:

- If secondary pump is idle for extended periods, we recommend that you confirm proper operation **every 3-4 months** to make sure all is in working order. Unplug the primary sump pump. Fill the sump to a level high enough to lift the float on the secondary pump and operate it through a complete cycle.
- If a problem occurs, see Troubleshooting section below. Call us at the number below if a problem occurs that you cannot solve yourself.
- When finished, plug the primary pump back into the wall outlet.

Troubleshooting:

Pump is running but no water is being removed from sump.

- Clogged suction or discharge piping: clear obstruction and restart.

Pump is removing low volumes of water.

- Pump suction or discharge piping may be partially clogged: clear obstruction.
- Excessive discharge pipe length and/or configuration can produce a large pressure drop; accept the lower flow or change the piping layout, direction, length, etc.

Pump will not turn on or off properly.

- Float must be fully **down for off** and fully **up for on**. Adjust float by hand to each position required to test pump or re-position the collars on the float rod, if necessary, to ensure proper operation. Note: longer runs cycles are better, so keep the start/stop positions as far apart as possible.

Customer Satisfaction Guarantee and Two Year Limited Warranty

Within 30 days of purchase, if you are not completely satisfied with your new Sump Pump, Base Products Corporation (The Company) will refund your money, in full, excluding shipping charges, as long as product is returned in its original packaging, unused, un-installed, and in re-salable condition, shipping pre-paid. Please contact the dealer where you purchased your pump to obtain refund. If purchased directly from The Company, you must call our Customer Satisfaction Department at 800 554 1426 to receive return authorization or to receive Technical Assistance. Please give your name, address, phone number, purchase date, and installation address.

The Company warrants this Sump Pump against defects in material and workmanship for Two Years from the date of the shipment. In the event of any defect in the pump unit within the warranty period, The Company will, at its option, replace or recondition the product without charge providing the product is returned, prepaid to our offices in Buffalo, New York. This shall constitute the exclusive remedy for any alleged defect. The Company shall not be responsible for any incidental, indirect, contingent, or consequential damages, including, without limitation, damages or other costs resulting from labor charges, delays, loss of use, revenue or profit, vandalism, negligence, fouling caused by foreign material, damage from peculiar water conditions, chemicals, electrical problems, or other circumstances over which The Company has no control. The Company makes no other warranties, express or implied, except as provided in this limited warranty. This warranty becomes void by any misapplication, misuse, abuse, or improper installation of the product. This warranty gives you specific legal rights and you may also have other rights which may vary from state to state. Warranty is applicable in the USA and Canada only.

Return Policy

After reading these instructions, should you determine that this product is not suitable for your application, please call The Company or your dealer for return information. Should the pump be installed and you choose to return it, call The Company for return approval. The Company is not responsible for any cost incurred with removal or pump repairs. Proper packaging of the returned product is the customer's responsibility and goods damaged in transit as a result of improper packaging will not be considered for credit.