

Installation Instructions for Models: SP2500

Read all the instructions before attempting to install the Sump Pump. See Return Policy and Guarantee on Page 3.

Specifications:	
Pump Motor: Model: SP2500	110 VAC @ 3450RPM, 1- Phase 1/4 HP, 4.7 Amps
Pump Dimensions	8" Diameter Base x 12" H
Pump weight:	11 Lbs.
Float Switch:	Vertical Style; on pump
Water Alarm:	9 VDC Battery Operated
Flow Rates:	2,160 GPH @ 10' lift 2,400 GPH @ 5' lift, 26 feet max
Additional Parts & Supplies Needed:	
PVC Primer and Cement (small cans)	Tools Needed:
Teflon Tape or Pipe Sealant (Dope)	Hand saw and/or PVC cutting tool
	Utility knife, tape measure, large adjustable pliers
	Phillips and slotted screwdrivers

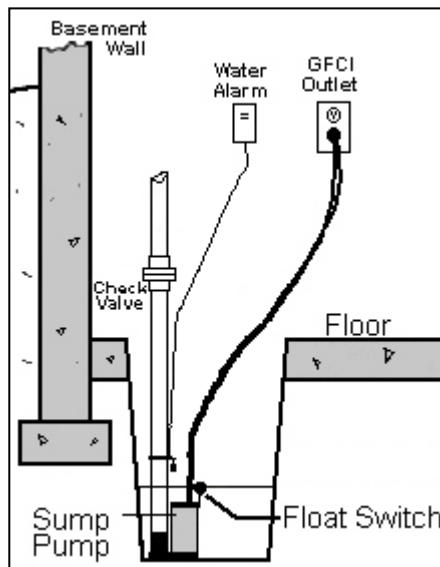
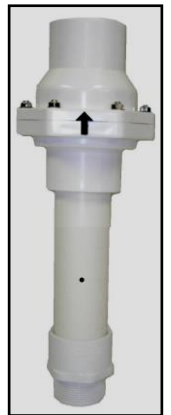


Refer to separate instructions for pump information

Note: Use Teflon tape or pipe sealant (dope) on ALL threaded fittings. Use PVC Primer & Cement on ALL socket joints.

Step 1: Pump Assembly

1. Cement the 1½" PVC male threaded adapter to the end of the pipe closest to the "vent hole."
2. Screw this assembly into the sump pump discharge opening securely.
3. Cement the check valve to the other end (top) of the pipe.
4. **The vent hole must be at the bottom and the check valve flow arrow MUST point upward!**
5. The rest of the PVC piping to the final destination is up to you.



Step 2: Float Switch

Switch is attached to the pump for easy installation. For fine adjustments use the grommets (stoppers) on the float rod.

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: See Page 3.

⚠ 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.

Install Discharge

If you need to be able to operate main and backup pumps at the same time, use 2" discharge piping from the tee to the outdoors and the 2" Tee without the top bushing; otherwise use 1½" discharge pipe and both bushings. Use photo and drawing above as a guide to assemble the Tee Assembly. It comes hand-assembled from the factory so you will need to disassemble it and cement the parts together according to the following directions:

1. Place pump on concrete block or other support to raise its operating level above primary pump operating level.
2. Screw the male adapter into the threaded opening of the Tee.
3. Cement the elbow onto the adapter in the desired direction, downward toward the pump, as shown.
4. Cement the barbed hose adapter into the elbow, again pointing down toward the pump.
5. Cement the second barbed adapter into the top of the check valve, included with the SP3000 (see reverse side).
6. 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.
7. Mark the location for the Tee assembly on the discharge pipe, above the primary pump check valve. Hose may be cut to fit, if necessary.
8. Cut and remove a 2" section from your main pump discharge pipe at the marked location.
9. Cement the Tee into position in the correct direction on the main pump discharge pipe.
10. 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; a few drops of dish soap will help). Tighten the hose clamps securely at both ends.

Power Source: Refer back to Step 4 on page 1.

Water Alarm

Install the battery: Remove cover for the battery compartment on the back of the alarm. Extend the wires and battery connector from inside. Untie and unwrap the sensor float and wire stored inside. Snap a 9-volt battery onto the connector, place the battery inside compartment, line up wire into slot, and replace cover.

Mount the Alarm to a pipe using releasable cable tie with mount, or to a wall using screws.

Position the sensor float: Clamp to the pipe (Top Photo) **OR** Screw to wall of sump (Bottom Photo). It is usually placed at a point near the large float so you know there is high water and the backup pump is operating.

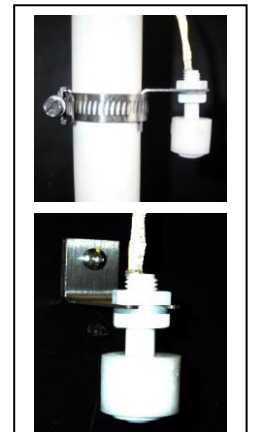
Replace the battery if the alarm has operated for an extended period of time. Alarm will "chirp" when the battery needs to be replaced. A new battery should last a year on standby.

Relay Outputs: These are no volt, Normally Open, "dry" type contacts that close when the alarm sounds and open when it stops. These are used to connect to your security system or auto-dialer unit.

Operation: When the float is up the alarm sounds and the relays close. When float drops, the alarm will silence and the relays will open.

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.
- 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 run cycles are better, so keep the start/stop positions as far apart as possible.

Return Policy

Before installation, if you determine that this product is not suitable for your application, call The Company or your dealer for return information. **After installation**, if you choose to return it, call The Company for return approval; there may be parts that cannot be credited. The Company is not responsible for any cost incurred with installation, removal, or pump repairs. Proper packaging of the returned product is the customer's responsibility and goods damaged while in transit as a result of improper packaging will not be considered for credit.

30 Day Customer Satisfaction Guarantee and Two Year Limited Warranty

Within 30 days of purchase, if you are not completely satisfied with your new PUMP, we will refund your money, in full, excluding shipping charges. Pump must be returned unused and in re-salable condition. Please contact the dealer where you purchased your pump to obtain refund. If purchased directly from Base Products Corporation (The Company), you must call us at 800 554 1426 to receive authorization to process return or to receive Technical Assistance. Please give your name, address, phone number, date of purchase, and address of the installation.

Base Products Corporation (the "Company") warrants the Hydropump (the "Product") against defects in material and workmanship for a period of Two Years from the date of the shipment. In the event of any defect 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. The replacement or reconditioning of the Product shall constitute the exclusive remedy for any alleged defect.

CUSTOMER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR OR REPLACEMENT AS PROVIDED HEREIN. CLAIMS BASED ON IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR, OR THE SHORTEST PERIOD ALLOWED BY LAW, BUT NOT LESS THAN ONE YEAR. THE LIABILITY OF THE COMPANY SHALL NOT IN ANY CASE EXCEED THE COST OF REPLACEMENT OF THE PRODUCT, AND IN NO CASE, SHALL THE COMPANY OR ANY OF ITS DISTRIBUTORS BE LIABLE FOR ANY INCIDENTAL, INDIRECT, CONTINGENT OR CONSEQUENTIAL LOSS OR DAMAGES SUCH AS PROPERTY DAMAGE OR EXPENSES RESULTING FROM THE FAILURE OF THE PRODUCT, DELAYS, LOSS OF USE, NEGLIGENCE, DAMAGE FROM PECULIAR WATER CONDITIONS, CHEMICALS OR FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE COMPANY'S NEGLIGENCE OR FAULT. 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.

This warranty does not cover defects in the Product resulting from: (a) abuse or mishandling of the Product; (b) modification, alteration, repair or service of the Product by anyone other than Base Products Corporation; (c) improper or neglect in maintenance. This warranty does not cover any water damages caused by defects in the Product as such defect should have been identified during periodical testing. The owner's use of these Products confirms the understanding that these Products **do not constitute an insurance policy** and they are only loss mitigation products used to reduce the risk of water damage, however not eliminating such risk.

Homeowner: Place these instructions into the plastic bag they came in and keep them near The Pump for future reference!