

EASY INSTALLATION INSTRUCTIONS FOR BASEMENTSAVER SP3 & SP3S SUMP PUMPS – Basementsaver Sump Pumps & Backup Sump Pumps Outlet



Congratulations On Purchasing Your Basementsaver SP3 Sump Pump or SP3S Standby Pump! You Should Soon Have Your Pump Smoothly And Efficiently Protecting Your Basement. Just Follow These Easy Installation Instructions And It Is Difficult To Go Wrong!

It Really Is IMPORTANT That You Take The Time To Read All Of The Instructions Related To The Installation & Operation Of Your Sump Pump BEFORE Attempting To Install It!

*If you have questions or concerns just contact **Basementsaver** – we're here to help you.*

Basementsaver SP3 Sump Pump & SP3S Standby Overduty Sump Pump:



Basementsaver SP3 (3,000 gal/hr) & SP3S (3,000 gal/hr) Sump Pumps Are Rated Assuming A 10ft Lift To Discharge.

These Heavy-Duty Sump Pumps Are Designed To Provide Efficient & Powerful Pumping Capacity With High Reliability & Durability In Normal – Extreme High Flow Sump Pits.

**SP3 / SP3S Combined Pumping Capacity Is 6,000gph!
Both Pumps Feature A Vertical Float Switch & Check Valve.
The SP3 Unit Is Configured For Normal Service To 3,000gph.
The SP3S Is Configured To Provide Standby Overduty Service (Supporting Your Primary Sump Pump With Up To 3,000gph Additional Pumping Capacity For Extreme Flow-Rate Situations).**

Corrosion Resistant Construction:
Cast Iron Casing & Suction/Discharge Base
Quality Stainless Steel Clamps
PVC Check Valve & Fittings

Rated For Continuous Operation:
Heavy-Duty Ball Bearings
Permanently Lubricated Motor

Following Installation, Please Place These Instructions Back Into The Plastic Bag They Came In And Use The Enclosed Beaded Tie Wrap To Hang The Bag On Or Near Your Basementsaver Sump Pump For Future Reference!

Basementsaver SP3 & SP3S Sump Pumps Easy Installation Instructions

BEFORE you begin installing your pump, **Please Read ALL Instructions.** The pumping capacity of Your pump may vary depending upon your specific piping configuration.

| | | | |
|--|---|------------------|--|
| ⚠ 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. | | | |

| Specifications | | SP3 | SP3S |
|---|--|---|----------------------------------|
| Pump Motor: | 115VAC Single Phase RPM HP | 4.7 Amps 3.450 0.5 | 4.7 Amps 3,450 0.5 |
| Power Cord Plug Insulation | 10ft long Heavy Duty 16/3 SJTW 3-Prong NEMA 5-15 w. Ground Class F <i>Built-In Thermal Overload Protection w. Automatic Reset</i> | | |
| Flow Rates: gal/hr (GPH) | | SP3 | SP3S |
| Depends on lift to discharge: | 5 Foot Lift 10 Foot Lift Maximum Lift | 3,300 GPH 3,000 GPH 26ft | 3,300 GPH 3,000 GPH 26ft |
| Sump / Water | | SP3 | SP3S |
| | Max Solids Size Switch Type Min Sump Diameter | 1/8 inch Vertical 9 inches | 1/8 inch Vertical 9 inches |
| SP3 Included Parts: Sump Pump & Float Switch PVC Discharge & Check Valve | SP3S Included Parts: Sump Pump & Float Switch PVC Discharge & Check Valve Discharge Hose & Fittings | Additional Parts & Supplies Needed: Pipe to Discharge 120VAC GFCI Outlet (10A min) To Power Pump | |

If You Have Questions:

If you have any questions visit www.basementsaver.com or e-mail service@basementsaver.com with your question or call 716.775.0206 for help.

Customer Support Hours are 9am-5pm EST, Mon-Fri (Excluding Holidays)



Next, Please Record Your Sump Pump Unit Information Below:

Model No. SP Serial No: _____ Installation Date: _____

Basementsaver SP3-Series Sump Pump Step By Step Installation Instructions

Step 1 – Unplug Your Existing Primary Sump Pump And Remove From Pit:

Remove your check valve from its' position between the upper and lower legs of your discharge pipe

HINT - there may be water in the pipe above the check valve!

Lift your existing sump pump out of your sump pit and drain out any water

Unscrew the lower discharge pipe leg from your existing sump pump and put to one side for possible re-use.

Remove all packaging from Your **Basementsaver SP3** Sump Pump

do not plug the sump pump into your wall socket yet!

Step 2 – Lower Discharge Leg Installation:

Note: The **Basementsaver SP3 Sump Pump** Is A Very Powerful Sump Pump. **Use Teflon tape or pipe sealant (dope) on ALL threaded fittings. Use PVC Primer & Cement on ALL socket joints.**

EITHER Reuse Your Existing Discharge Tube Lower Leg And/Or Check Valve

Hint – install the New Check Valve in order to avoid premature valve failure

OR Assemble Your New Discharge Tube Lower Leg With Adapter& Check Valve (provided with the SP3 unit):

- Cement the 1½” PVC male threaded adapter onto the *bottom end (with vent hole)* of the pipe.

- **Let the PVC cement joint set.**

- Screw this pipe assembly into the sump pump discharge opening (in the sump pump base).

Hint – installing PTFE (Teflon) tape on the discharge pipe screw threads will help

- Cement the *top end* of the pipe (*without vent hole*) into the bottom of the check valve.

The flow arrow on the Check Valve MUST point upward!

- Cement the spigot end of the PVC female adapter into the top of the check valve.

Do NOT drip glue into the check valve!

- **Let the PVC cement joints set.**



**NOTE THE
Vent Hole** →

Step 3 – Float Switch Adjustment:

The vertical float switch is attached to the pump on a bracket. You may loosen the retaining bolt to change the position of the float - check that the float can operate freely over it's entire vertical range and re-tighten the bolt.

Step 4 – Sump Pump Placement:

Place the assembled SP3 sump pump unit into your sump pit. Make sure that the sump pump is seated in a stable position in the sump pit and that the float can operate correctly without binding on the pit sides or anything else. Ensure the lower discharge leg and check valve is positioned centrally under your upper discharge leg.

Hint – you may need to prop the pump on a piece of slab or even adjust the length of the upper discharge leg.

Use PVC cement to glue the upper discharge leg into the check valve.

Step 5 – Power On

Plug the pump into your GFCI wall socket and test for pumping by raising the float. The pump should switch off when the float drops.

Step 6 – High Water Alarm:

Refer to the simple instructions included with the alarm, and keep them with your SP3 documentation.

Congratulations You Now Have A High Quality Sump Pump Protecting Your Basement!

For Full Protection, You Also Need A Backup Sump Pump - Visit <http://www.basementsaver.com> To Find A Comprehensive Range Of High Quality Backup Sump Pumps To Fit Any Basement

Basementsaver SPS-Series Standby Overduty Sump Pump Step By Step Installation Instructions

Note: The **Basementsaver SP3 Sump Pump** Is A Very Powerful Sump Pump. **Use Teflon tape or pipe sealant (dope) on ALL threaded fittings. Use PVC Primer & Cement on ALL socket joints.**

Step 1 - SP3 Pump Unit Assembly:

Before placing the pump into the sump pit, find the 1½" PVC male threaded adapter, 1½" pipe with vent hole, check valve, PVC Female adapter, and straight black polypro barbed male hose adapter.

- Cement the 1½" PVC male threaded adapter onto the *bottom end (with vent hole)* of the pipe.
- **Let the PVC cemented joint set.**
- Screw this pipe assembly into the sump pump discharge opening (in the sump pump base).
Hint – installing PTFE (Teflon) tape on the discharge pipe screw threads will help
- Cement the *top end* of the pipe (*without vent hole*) into the bottom of the check valve.
The flow arrow on the Check Valve MUST point upward!
- Cement the spigot end of the PVC female adapter into the top of the check valve.
Do NOT drip glue into the check valve!
- **Let the PVC cemented joints set.**
- Thread the male pipe threads of the straight black polypro barbed male hose adapter into the female threaded opening of the adapter that you just glued into the top of the check valve.



**NOTE THE
Vent Hole** →

Step 2 – Float Switch Assembly:

Either leave the float switch attached to the pump unit and set the pump unit on a block to attain the required height in your sump pit.

Or if you prefer to sit the pump unit in the base of your sump pit, remove the float switch bracket from the pump unit and attach the enclosed stem into the last screw hole of the bracket. Then use the supplied hose clamp to attach the stem securely around the discharge pipe at the required elevation.



Step 3 – Standby Pump Placement:

Place the assembled SP3S standby pump unit into your sump pit, beside your primary sump pump. Make sure that float operation is not impeded by the sump pit walls, wires, pipes, or the primary pump float.

Note: If you choose to elevate the standby pump unit in the sump pit so that it sits above the primary pump the standby pump float **MUST** be set so that it cannot run dry.

Step 4 – Discharge Line Assembly:

The SP3S standby pump will supplement the pumping capacity of your primary sump pump in high flow situations. Consider upgrading to a 2" discharge pipe to handle the high flow rates produced when both pumps are running at the same time. A 2" Tee fitting is provided for this purpose.

Unplug your primary (ac) sump pump and it's discharge pipe. **A high quality, fully functioning check valve MUST be present above the main pump and below the SP3S Standby Pump discharge Tee connection.** Without it, the SP3S Standby Pump will not operate properly, and it may recycle water down through your main pump and back into your sump. A **removable type check valve** is recommended, in order to service the main pump in the future without disconnecting the standby pump.

For A 1½" PVC Discharge Line: Glue the bushings provided, into the Tee fitting. If you are using a 2" discharge they are not needed - so set them aside.

For A 2" PVC Discharge Line: Thread the male bushing into threaded opening of the 2" Tee and connect the male threaded end of the black polypro elbow securely into the bushing. Use the flexible hose from the pump to the discharge pipe of the main sump pump, at a point above the existing check valve, to determine the proper position of the tee. Mark the location of the



assembled Tee fitting on the pipe. Hose may be cut to fit using a utility knife or hack saw.

Squarely cut and remove a 2" section from your primary sump pump discharge pipe at the marked location. Glue the Tee into position in the primary pump discharge pipe; turn it to face correct direction before it sets! While it sets, place a stainless steel hose clamp on each end of the hose and push on the flexible hose to the pump discharge and to the Tee assembly using the black barbed hose connectors. Twist clockwise to help with this step. Tighten the hose clamps at both ends.

Step 5 – Power On:

Plug the pump into your GFCI wall socket and test for pumping by raising the float. The pump should switch off when the float drops.

Step 6 – High Water Alarm:

Refer to the simple instructions included with the alarm, and keep them with your SP3S documentation.

DON'T FORGET TO PLUG YOUR PRIMARY PUMP BACK IN WHEN YOU ARE FINISHED!!

***Congratulations You Now Have A High Quality Sump Pump Protecting Your Basement!
For Full Protection, You Also Need A Backup Sump Pump - Visit <http://www.basementsaver.com> To Find
A Comprehensive Range Of High Quality Backup Sump Pumps To Fit Any Basement***

Basementsaver SP-Series Sump Pump Maintenance Instructions

No adjustments or maintenance are required.

Just Check Your Pump Occasionally For Correct Operation:

Every 3 months lift the pump float by hand and confirm pump operation and water removal. Confirm that the float is allowed to move freely and hits no obstacles.

Your pump is designed to operate to 104°F (40°C) maximum, continuous when completely submerged. It is protected by an automatic thermal overload device with automatic reset.

Troubleshooting:

The Sump Pump Is Running But No Water Is Being Removed From Your Sump

- ***Jammed impeller***- Make sure impeller is spinning freely and is not blocked by a stone or other debris.
- ***Discharge piping may be partially clogged which restricts water flow*** - Clear the obstruction.

The Sump Pump Is Removing Low Volumes Of Water

- ***Discharge piping may be partially clogged which restricts water flow*** - Clear the obstruction.
- ***Excessive discharge pipe length and/or configuration can produce backpressure*** - Accept the lower flow or change the piping layout, direction, length, etc.

The Sump Pump Will Not Turn On Or Off Properly

- ***Float must be fully down for off and fully up for on*** - Adjust the float by hand to each position required to test the pump. Re-position the sump pump, if necessary, to assure proper operation.
- ***Plug may be connected improperly*** – Check for proper fitment.

The Pump Will Not Run At All

- ***Power Out*** - Check for the presence of power at the GFCI.
- ***Thermal Overload*** - Your pump is designed to operate to 104°F (40°C) maximum, continuous when completely submerged. It is protected by an automatic thermal overload device with automatic reset.

AGENCY LISTINGS



Tested to
CSA 22.2 108 Standards
By Canadian Standards
Association



Underwriters
Laboratories

Basementsaver Sump Pumps 30 Day Customer Satisfaction Guarantee

*Within 30 days of purchase, if you are not completely satisfied with your **Basementsaver Sump Pump**, The Company will refund your money, in full, excluding shipping charges.
Please Call **716.775.0206** to process return or to receive Technical Assistance. Please give your name, address, phone number, date of purchase, and model number.*

Basementsaver Sump Pumps 2 Year Limited Manufacturers Warranty

The manufacturer warrants this **Basementsaver Sump Pump** against *defects* in material and workmanship for a period of 2 Years from the date of purchase.
In the event of any defect in the pump unit within the warranty period, The manufacturer 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 manufacturer 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 or other circumstances over which the manufacturer has no control. The manufacturer 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 Applicable in the USA and Canada, Only.*

Basementsaver Sump Pumps Return Policy

*If you need to return an uninstalled and unused pump please Call **716.775.0206** for return information.
If the pump has been installed and you choose to return it, please Call **716.775.0206** for return approval.
Please be prepared to give your name, address, phone number, date of purchase, and model number.
The Manufacturer is not responsible for any cost incurred with removal or pump repairs. Proper packaging of the returned product is the customer's responsibility, and any damaged goods, or goods damaged in transit as a result of improper packaging will not be considered for credit.*

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