

## EASY INSTALLATION INSTRUCTIONS FOR BASEMENTSAYER SP1 & SP2 SUMP PUMPS – Basementsaver Sump Pumps & Backup Sump Pumps Outlet



***Congratulations On Purchasing Your Basementsaver SP1 or SP2 Sump 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 SP1 & SP2 Low-Maintenance Basement Sump Pumps:**



**Basementsaver SP1 (1,380 gal/hr) & SP2 (2,040 gal/hr)  
Sump Pumps Are Rated Assuming A 10ft Lift To Discharge.**

**These High Quality Sump Pumps Are Designed To Provide Highly  
Efficient & Powerful Pumping Capacity From A Surprisingly Small  
Pump Unit That Requires Only Minimal Space In Your Sump Pit.**

**The SP1 Features A Vertical Float Switch  
The SP2 Features A Swing Out Float Switch**

**Corrosion Resistant Construction:**  
Stainless Steel Shaft & Motor Casing  
Quality GRP Impeller & Impeller Casing

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

**After 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 SP1 & SP2 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.

<b>⚠ WARNING</b>	<b>ELECTRICAL SHOCK HAZARD</b> 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.	<b>⚠ WARNING</b>	<b>EXPLOSION OR FIRE HAZARD</b> 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		SP1	SP2
Pump Motor:	115VAC Single Phase	2.4 Amps	3.0 Amps
	RPM	3,400	3,400
	HP	0.25	0.33
Power Cord	10ft long Heavy Duty 16/3 SJTW		
Plug	3-Prong NEMA 5-15 w. Ground		
Insulation	Class F		
Shaft	Stainless Steel		
	<i>Built-In Thermal Overload Protection w. Automatic Reset</i>		
Flow Rates: gal/hr (GPH)		SP1	SP2
Depends on lift to discharge:	5 Foot Lift	1,860 GPH	2,490 GPH
	10 Foot Lift	1,380 GPH	2,040 GPH
	15 Foot Lift	900 GPH	1,560 GPH
	20 Foot Lift	300 GPH	1,020 GPH
	25 Foot Lift	/	480 GPH
Sump / Water		SP1	SP2
	Max Solids Size	3/8 inch	3/8 inch
	Min On Level	6 inches	11 inches
	Min Off Level	3 inches	5 inches
	Switch Type	Vertical	Swing-Out
	Min Sump Diameter	9 inches	12 inches
<b>Included Parts:</b> Sump Pump & Float Switch Power Cord & Plug	<b>Additional Parts &amp; Supplies Needed:</b> <i>Discharge Pipe With Screw Fitting For 1.5" NPT</i> <i>Check Valve</i> <i>115 VAC GFCI Outlet To Power Pump</i>		

**If You Have Questions:**

If you have any questions visit [www.basementsaver.com](http://www.basementsaver.com) or e-mail [service@basementsaver.com](mailto: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 Information Below:**

**Model No. SP      Serial No: \_\_\_\_\_      Installation Date: \_\_\_\_\_**

## Basementsaver SP-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 SP** Sump Pump

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

**Step 2 –** Hold your **Basementsaver SP** Sump Pump unit, and carefully screw your lower discharge pipe leg into the 1.5" NPT fitting on the pump, by hand. until it tightens fully.

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

**Step 3 -** Install a **removable type check valve** on top of your lower discharge pipe leg **but do not tighten it yet**

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

*Hint – install the check valve so that the valve opens when water flow is upwards, away from the sump pump!*

*Hint – install the check valve at least 3 feet above the sump pump connection to prolong valve life*

**Step 4 -** Place the sump pump with fitted discharge pipe & check valve into your sump pit then connect the check valve onto the upper discharge pipe leg.

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 check valve is positioned centrally between both check valve legs and tighten it in place.

*Hint – If you have insufficient adjustment at the check valve ,so that the sump pump does not reside in a stable position or is held above the sump pit base, you may need to prop the pump on a piece of slab or even put in a new longer lower discharge leg.*

**Step 5 –** 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.

Check for leaks at the check valve and tighten the fittings if necessary

***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

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Tested to  
CSA 22.2 108 Standards  
By Canadian Standards  
Association  
File #218526



Underwriters  
Laboratories

### Basementsaver SP1 / SP2 Sump Pump 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 SP1 / SP2 Sump Pump 1 Year Limited Manufacturers Warranty

The manufacturer warrants this **Basementsaver Sump Pump** against *defects* in material and workmanship for a period of 1 Year from the date of the 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.*

**After 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 SP1 / SP2 Sump Pump For Future Reference!**