

EASY INSTALLATION INSTRUCTIONS FOR BASEMENTSAYER BP0/BP1 BATTERY POWERED BACKUP SUMP PUMPS – Basementsaver Backup Sump Pumps Outlet



Congratulations On Purchasing Your Basementsaver BP0 or BP1 Battery Backup 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! Please Note – It Really Is IMPORTANT That You Take The Time To Read All The Following Instructions Before Attempting The Installation Of Your Backup Pump!

If You Don't You'll Probably Experience Unnecessary Stress And May Void Your Warranty!! If you have questions or concerns just contact **Basementsaver** – we're here to help you.

Basementsaver BP1 Low-Maintenance Battery Powered Emergency Basement Sump Pump System For Residential Sump Pits With Normal Flow Rates:





Basementsaver BP0 & BP1 Emergency Battery Powered Backup Pumps Remove 900 gal/hr & 1,800 gal/hr Average From Your Sump, Assuming A 9ft Lift To Discharge.

These High Quality Emergency Battery Backup Sump Pumps Are Designed For Submerged Operation In Your Sump Pit, With Your Primary Sump Pump Remaining In Place.

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 BP1 Battery Powered Backup Sump Pump For Future Reference!

Basementsaver BP0 & BP1 Battery Backup Sump Pumps Easy Installation Instructions

BEFORE you begin installing your pump, **Please Read ALL Instructions.** The pumping capacity of Your BP1 pump may vary depending upon your specific piping configuration, battery age, and battery capacity.

 <p>WARNING</p>	<p>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.</p>	 <p>WARNING</p>	<p>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.</p>
<p>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.</p>			

Specifications	BP0	BP1
Pump Motor:	12VDC	9 Amps
Battery Charger:	1.0 Ahr @ 12VDC, 0.4 A Load	
Charger Service:	120 VAC, 60 Hz, GFCI Outlet	
Float Switch:	Tether type with mounting Clamps	
Water Alarm:	Integrated, operated by float	
Battery Requirements:	12 Volt Marine Deep Cycle, Sealed Lead Acid, AGM, or Gel: Size 27	
<i>Note: Battery Not Included</i>	<i>(Marine Deep Cycle Size 27 Required)</i>	
Flow Rates: gal/hr	BP0	BP1
5 Foot Lift	1,300	2,600
9 Foot Lift	900	1,800
Pumping Times (15 s cycles):	BP0	BP1
At 1 Minute Intervals		24 Hours
At 5 Minute Intervals		96 Hours
At 15 Minute Intervals		192 Hours
<p>Included Parts: Motorized Submersible Pump on Bracket Battery Case with Junction Box Attached Plug-In Battery Charger Stainless Steel Floor Mount Bracket Installation Instructions Tether Float with Clamps for Bracket Mount or Pipe Mount PVC Tee, Check Valve, Adapters, Street Elbow, Cable Ties Discharge Hose, 2 Hose Clamps</p>		
<p>Additional Parts & Supplies Needed: Check Valve for Main Sump Pump PVC Primer and Cement Thread Sealing Tape or Paste 12 V Deep Cycle Marine Battery (See Above)</p>		

If You Have Questions:

If you have any questions visit www.basementsaver.com or e-mail service@basementsaver.com with your question or call 1-866-374-3977 for help.



Next, Please Record Your BP1 Backup Pump Information Below:

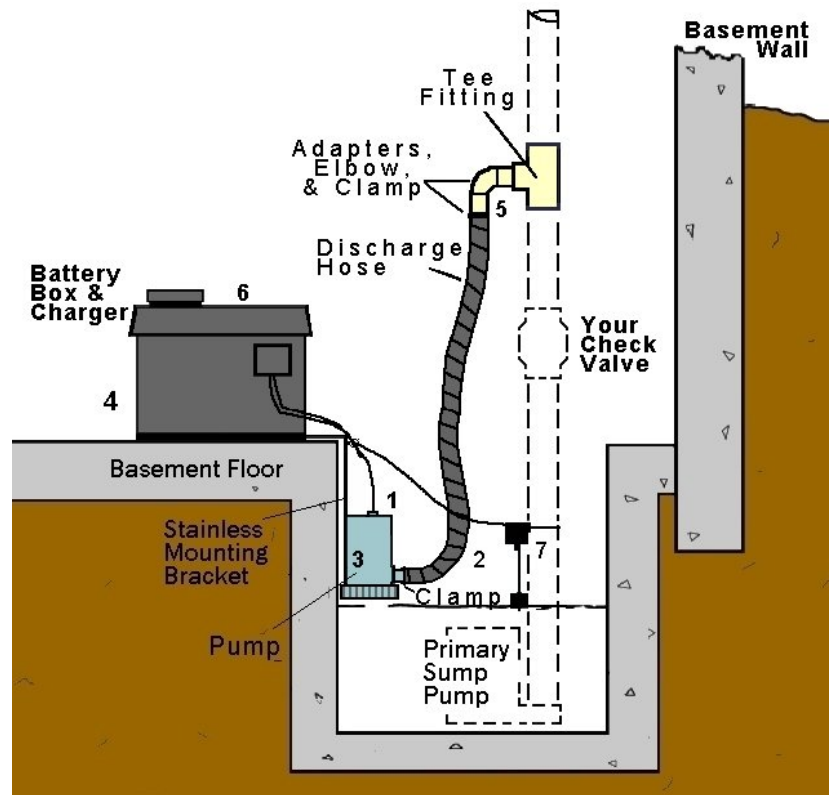
Model No. BP1 Serial No: _____ Installation Date: _____

Basementsaver BP1 Battery Powered Backup Sump Pump Step By Step Installation Instructions

Note: The **Basementsaver BP1 Backup Pump** Is Designed To Be Submersed During Operation.

This backup pump sits in your basement sump pit, above your primary sump pump, and is activated by a rising water level when your primary pump fails. This backup pump is not meant to act as a long-term replacement for your primary sump pump.

Pumps have a vent hole at the discharge outlet to prevent an air lock forming



Step 1 – Unplug Your Primary Sump Pump (but leave it in place in your sump pit)

Remove all packaging and materials and Insert your fully charged size 27 marine grade deep cycle battery (not included) into the battery case but **do not connect any wires** to the terminals yet.

Hold your **Basementsaver BP0/1** backup pump unit, and push one end of the flexible discharge hose onto the barbed outlet fitting located on the base of the pump. Secure in place with a stainless steel hose clamp. **NOTE:** Twisting the hose in a clockwise direction over the barbed fitting makes this process much easier. A dab of petroleum jelly or plumbers grease on the barbs also helps.

Hang the “L-shaped” stainless steel mounting bracket over the edge of your sump pit to determine the height that the backup pump unit is to be mounted within the pit. Lift the bracket out and secure the backup pump unit to the bracket, using the 2 screws provided, at the correct height.

Place the “L” bracket back on the basement floor with the backup pump unit hanging into the sump (as shown, above) and then place the battery box on top of the bracket to hold it safely in place.

NOTE: If possible keep the bottom of the backup pump unit about 1/2 inch above the “high water level” that is normally maintained by your primary sump pump. This will keep the backup pump clean and dry until it is needed. You may need to remove the pump unit and readjust its height in order to find the optimum position.

Step 2 - Disconnect Your Primary Sump Pump Piping:

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 BP0/1 Backup Pump discharge T connection.** Without it, the BP0/1 Backup 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 backup pump.

Step 3 - Install The Discharge Pipe:

The PVC Tee assembly parts are provided correctly assembled in their operating position, **but without cement**. Prime and cement the check valve in place as shown to the right. Use PTFE (Teflon) tape on all pipe threads and screw them together tightly.



Use the flexible hose that you attached to the backup pump unit in **Step 1** as a guide to determine the position on your *existing primary pump discharge pipe* for the supplied Tee fitting to be inserted. Mark a position as high above your *existing primary pump check valve* as the supplied flexible hose will allow, so that backup pump flexible discharge hose will run upward to the main discharge pipe without tight bends or kinks. If your main pump discharge pipe is 1-1/4" PVC, cement the 1-1/4" x 1-1/2" bushing adapters into the ends of the Tee fitting; otherwise, pull them out and set them aside.

Carefully cut the primary sump pump discharge pipe as squarely as possible with a hand saw or PVC cutter, removing a 2" section of the pipe for insertion of the T fitting. Insert the Tee fitting and tighten in place so that the main discharge pipe remains straight and undistorted.

Note: If You prefer to install your BP0/1 Backup Pump with its own, separate, discharge (highly recommended) you may do so using standard rigid PVC pipe instead of the flexible hose. If so, DO NOT use the barbed adapters as described above. Instead, pipe it up and out with PVC pipe that will fit into the BP0/1 discharge fittings.

Step 4 – Install The BP0/1 Backup Pump Float Switch:

2 Mounting Choices Are Possible:



Bracket Mounting (see image left): Using the small steel loop clamp with the rubber lining provided, determine the appropriate height of the clamp and insert the float cord inside. Mount this to the floor bracket using the screw, lock washer, and hex nut provided. The length of the cord can be adjusted for proper swing and operation by pulling or pushing cord through the loop. Using pliers, you may need to compress the loop strap to secure the cord tightly.

Discharge Pipe Mounting (see image right): Find the plastic tether float clamp with the large hose clamp attached. Secure hose clamp to the primary pump discharge pipe in the proper position above the primary pump. Insert the cord inside the clamp and adjust the length of the cord by pulling or pushing cord through the clamp. When correct position with proper swing is set, tighten clamp securely around cord.



Note: Check that the pump switches off correctly when the water level falls

The Pump MUST Switch Off While There Is Still Water Covering The Pump Unit Intake Openings - Otherwise, It Will Run Dry And May Burn Out!

Now that your backup pump and float are correctly set in place, gather the two wires (one from the motor and one from the float). Take up any loose slack and secure them to the top of the stainless steel mounting bracket using the included cable tie mount and cable tie.

Basementsaver BP0 / BP1 Battery Powered Backup Sump Pump Start-Up And Operation Instructions

1. Start Up Procedure:

If you feel unsure about any of the following procedure we advise that you consult with a licensed electrician. Connect all Red (+) Pos wires from the charger and the junction box (mounted on the battery box) together to the positive (+) battery terminal. Connect all Black (-) Neg wires from the charger and the junction box together to the negative (-) battery terminal using wing nuts on terminals. Tighten securely. Plug the charger into a GFCI protected wall outlet using the supplied extension cord.

Now plug your primary sump pump back into the wall outlet!

Note: If connecting a second battery using the optional "BCC Dual Battery Case", all the Red Wires go to the Positive (+) Battery Terminals and all the Black Wires go to the Negative Battery Terminals. Connect the proper-colored wire to each terminal of the first battery and "jump" to the matching terminals of the second battery using the wires that came with the BCC Dual Battery Case. This keeps the batteries in "parallel" and allows the charger to maintain both batteries.

Important: Fill the sump with water from a hose if needed to test for proper installation. To simulate rising water you may lift the primary sump pump float or the BP1 backup pump float by hand and operate the pump for approximately 10 seconds (do not run either pump dry).

Confirm that the location and position of the BP0/1 pump unit and float are correct and that the float moves freely. Raise the float to reach the desired "high level" which will trigger the backup pump to operate before water reaches the top of the sump pit. Confirm that the float shuts the pump off when returned to the "low level" while the water surface still covers the backup pump intake screen. Repair any leaks now during this process.

Battery charging: A new battery, or one that's discharged, may take 24-36 hours to fully charge. The charger green indicator light means the charger is receiving power from the wall outlet. The red light will glow to indicate the battery is fully charged.

Note: It is normal for the red light to go on and off. It is also normal for the charger to feel warm to the touch and hum slightly. The charger will not charge a battery that has less than 10V potential. If your battery is old replace it with a new size 27 deep cycle marine battery.

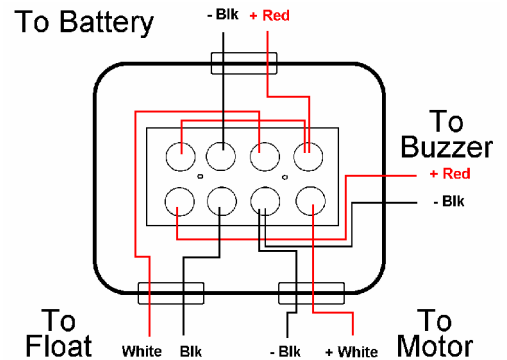
DON'T FORGET TO PLUG YOUR PRIMARY PUMP BACK IN WHEN YOU ARE FINISHED!!

2. Water Alarm:

The water alarm buzzer is activated at the same time that the backup pump activates, to warn you of the high water situation. It will sound each time the backup pump runs, and turn off at the end of each cycle. There is a wiring connection inside the junction box on the side of the large battery case, which can be disconnected to prevent the alarm sounding. Remove the four screws from the small junction box and remove the thin, red alarm wire from terminal block to silence the alarm.

3. Maintenance Procedures:

Every 3 months lift the backup pump float by hand and confirm pump operation and water removal. Confirm that the float is allowed to move freely and hits no obstacles. Check the battery age and charger status lights. The green light must be on to show that the charger is powered from the wall outlet. The red light should be on when charging is complete and off when charging is required. This is an automatic charger; no adjustments or maintenance are required.



4. Troubleshooting:

The Backup 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.
- **Suction or discharge piping may be partially clogged which restricts water flow** - Clear the obstruction.

The Backup 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 a large pressure drop** - Accept the lower flow or change the piping layout, direction, length, etc. (See separate discharge connection kit)
- **Battery may need charging or replacing** - A new battery often needs 24 - 36 hours of charging. If a deep cycle lead-acid is more than 3 years old, it is likely to need replacing (AGM or Gel batteries may last 5-7 years).
- **Check all PVC joints and confirm that they are leak-tight** - Air leaks reduce pumping capacity.

The Backup 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 clamp on the suction pipe, or the rubber stopper on the bottom of the float rod, if necessary, to assure proper operation.
- **Battery terminals may be connected improperly** – Correct or clean and tighten securely.

The Pump Will Not Run At All

- **Bad connection** - Check battery connections and all wires to be sure all are secure.

Basementsaver BP0 / BP1 Battery Backup Pump 30 Day Customer Satisfaction Guarantee

*Within 30 days of purchase, if you are not completely satisfied with your **Basementsaver Battery Powered Backup Sump Pump**, The Company will refund your money, in full, excluding shipping charges.*

*Please Call **1-866-374-3977** to process return or to receive Technical Assistance. Please give your name, address, phone number, date of purchase, and model number.*

Basementsaver BP0 / BP1 Battery Backup Pump 1 Year Limited Manufacturers Warranty

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

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.*

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