

STEP-BY-STEP INSTALLATION INSTRUCTIONS

# SECONDARY SUMP PUMP FLOODWATCH 3000

- Pumps a whopping 3,000 gallons per hour at 10 ft. lift!
- Virtually indestructible.
- Fits into the busiest of sump pits.
- Highly efficient.
- Complete kit for easy installation.

Please read all the instructions before attempting to install the FloodWatch 3000.

The pumping capacity of the FloodWatch 3000 may vary depending on your piping configuration, battery age, and capacity.



<b>Specifications:</b>	
<b>Pump Motor:</b>	110 VAC @ 3450RPM, 1-Phase, 1/3 HP, 5.1 Amps
<b>Pump Dimensions:</b>	10"L x 8"W x 13"H
<b>Pump Weight:</b>	16 lbs.
<b>Float Switch:</b>	Vertical Style, with mounting clamp
<b>Water Alarm:</b>	9 VDC Battery Operated
<b>Flow Rates:</b>	
<b>@ 5 feet Lift</b>	3,300 Gallons Per Hour/55 Gallons Per Minute
<b>@ 10 feet Lift</b>	3,000 Gallons Per Hour/50 Gallons Per Minute
<b>Maximum Head:</b>	Up to 22 ft.
<b>Additional Parts/Supplies Needed:</b>	<b>Tools Needed:</b>
PVC Primer & Cement (small cans)	Hand saw and/or PVC cutting tool
Teflon Tape or Pipe Sealant	Utility knife, tape measure, pliers
	Philips and slotted screwdrivers

**Use Teflon tape or pipe sealant (dope) on all threaded fittings. Use PVC Primer & Cement on all socket joints.**

## **STEP 1: Pump Assembly**

Before placing the pump into the pit, find the 2" PVC male threaded adapter, 1-1/2" pipe, check valve, PVC female adapter, and black polypro straight hose barbed male adapter.

- Thread the 2" PVC male threaded adapter into the sump pump discharge opening securely.
- Connect the end of the pipe with the "vent hole" and push the end into the 2" PVC male threaded adapter.
- Connect the other end (with no vent hole) into the check valve. **The flow arrow must point upward.**
- Insert the spigot end of the PVC female adapter into top of check valve. Don't drip glue into the check valve!
- Thread the male pipe threads of the black polypro straight hose barbed male adapter securely into the female threaded opening of the adapter you just glued into the check valve.

## **STEP 2: Float Switch**

Place the built-in hose clamp around the discharge pipe to attach the float securely at the required elevation. The float rod collars are factory set to provide the largest travel possible. They can be adjusted to suit your situation; longer run cycles are best.

## **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 pit, wires, pipes, or the main pump float.

**Note:** You may elevate the pumps 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: Pump Placement**

**Note:** If you are using this pump as a supplement to your main pump, consider up-sizing to a 2" discharge pipe to handle the high flow rates produced when both pumps are running.

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. Mark the location of the assembled Tee fitting in the discharge pipe of the main sump pump at a point above the existing check valve. Use the flexible hose from the pump to the tee to help you determine the proper position of the tee. Hose may be cut to fit using a utility knife or hack saw. If the main discharge pipe is 1-1/2" PVC use the bushings provided and glue into the Tee fitting; set them aside if not needed. Squarely cut and remove a 2" section from your main pump discharge pipe at the marked location. Insert the Tee assembly into position on the main pump discharge pipe: turn to face correct direction while you can. While it dries, attach the flexible hose to the pump discharge connection and also at the Tee fitting by attaching the hose to the black barbed hose connectors. Secure the hose at both ends using the stainless steel hose clamps provided.

## **STEP 5: Pump Placement**

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.

## **TROUBLESHOOTING**

### **Pump is running but no water is being removed from pit?**

- 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 assure proper operation.

**Note:** Longer runs cycles are better, so keep the start/stop positions as far apart as possible.

## MAINTENANCE PROCEDURES

- If FloodWatch 3000 pump is idle for extended periods, it is best to confirm proper operation occasionally 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 FloodWatch 3000 and operate it through a complete cycle.
- If a problem occurs, see Troubleshooting section above. 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.

## Customer Satisfaction Guarantee and One Year Limited Warranty

Contact us by phone at 1-800-472-0603 or email to sales@radonseal.com regarding any questions or problems. Before returning the product, you must contact us first for authorization. Please give your name, address, phone number, and date of purchase.

If you are not completely satisfied with your new pump within 30 days of shipment, we will refund your money in full except for shipping charges, as long as it is returned in its original packaging and in re-salable condition, shipping pre-paid.

We warrant the pump to be free of defects in material and workmanship, to the original owner, for a period of one year from the date of shipment. In the event of any defect within the warranty period, we will, at our option, replace or recondition the product without charge providing the product is returned, prepaid to the factory. This shall constitute the exclusive remedy for any alleged defect. The warranty is applicable in the USA and Canada only.

The 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. We make no other warranties, express or implied, except as provided in this limited warranty.

We 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 we have no control.

### **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.