



MODEL 300381 COLUMN SUMP PUMP

Please read these instructions carefully. **Failure** to comply to instructions and **designed** operation of this system, may **void** the warranty.



Your pump has been carefully packaged at the factory to prevent damage during shipping. However, occasional damage may occur due to rough handling. **Carefully inspect your pump** for damages that could cause failures. Report any damage to your carrier or your point of purchase.

WARNING - Reduced risk of electrical shock during operation of this pump requires the provision of acceptable grounding.

SAFETY INSTRUCTIONS :

This fine pump that you have just purchased is designed from the latest in material and workmanship. Before installation and operation, we recommend the following procedures :

- A** Check with your local electrical and plumbing codes to ensure you comply with the regulations. These codes have been designed with your safety in mind. Be sure you comply with them.
- B** We recommend that a separate circuit be lead from the home electrical distribution panel properly protected with a fuse or a circuit breaker. We also recommend that a ground fault circuit be used. Consult a licensed electrician for all wiring.
- C** The ground terminal on the three prong plugs should never be removed. They are supplied and designed for your protection.
- D** Never make adjustments to any electrical appliance or product with the power connected. Do not only unscrew the fuse or trip the breaker, remove the power plug from the receptacle.
- E** Assuming that you have a sump pit located in your basement floor... Your sump pit must be constructed from concrete, brick, tile or more recently a sump basin made from plastic and/or fiberglass. The minimum size of your sump pit **MUST** be 18" in diameter and no less than 25" deep. When pit is ready, proceed to next step.

MONTHLY MANDATORY CHECK-UP :

1. Inspect the pump and the sump for any obvious condition that necessitates cleaning, correction, ajustement or repair.
2. Clear the sump and the surroundings of any paper, leaves or other debris that might clog the input openings. Remove anything that might float into the sump.
3. Assure that the pump is secure and vertical for proper operation.
4. Assure that there is adequate clearance from any combustible materials or structure. Stored materials must be kept away from the pump. Shelves or cabinet structures must not be in close proximity over the pump.
5. Assure that the motor is securely plugged into a proper GFCI electrical outlet.
6. Test the 'GFCI' outlet by pressing its test switch. This should prove that the outlet is energized and will trip off to protect against a ground fault. Be sure to reset the 'GFCI' by pressing its reset switch.
7. Lift the float to prove that the pump will start when required. (Step 8 below will test submersible pumps with enclosed floats).
8. Put a pail of water (8 liters) in the sump to prove that any check valve present will permit effluent to flow.
9. Observe that the plumbing can carry the effluent safely out of the residence.

Material required for sump pump application

- Desired length of 2" ABS pipe.
- Elbows and fittings to run discharge pipe.
- ABS cement
- 1 2" ABS coupling to connect the pipe to the check valve.
- 1 vertical check valve (350363).

APPLICATION

• This domestic sump pump is suitable for application where the total vertical distance (head) does not exceed 15'. It is designed as an economic and efficient means of protecting homes against water damage through seepage, where there is no natural drainage.

FRICITION LOSS IN PIPE NOT INCLUDED

- Capacity: 3000 GPH/ 5' 2500 GPH/10' 1600 GPH/15'.

INSTALLATION STEPS

IMPORTANT NOTICE

Please note before you proceed with the installation of this product that the manufacturer's guideline has to be respected. Failure to comply may void your warranty.

The following are minimum requirements in order to protect your residence from flooding. It is a small investment but it is your personal responsibility to protect your home, family and valuables. Failure to comply with the following requirements may also void your warranty :

- Two (2) pumps have to be installed in the sump pit. The first pump as a primary pump and the second pump as the backup unit.
- Burcam alarm system model 450455 has to be installed to advise you of any malfunctions.
- As sump pumps are electrically powered and activated so to prevent flooding, a Burcam battery powered back up pump model 300403 has to be installed to evacuate the water.

Pump selection, proper and adequate installation are a must to comply with local by-laws and need to be adhered to.

STEP 1

Locate the rod, the float and the rubber washers in the pump carton. Secure rod's guide to pump's column. Push the rod through the rod guide, then push a rubber washer about six inches from top rod end. Insert rod end through the top mount switch opening and place the second rubber washer over the top rod end. Thread the float into the bottom rod end about six to eight turns. Depth of pumping level may be adjusted by changing the position of the lower rubber rod washer.

STEP 2

Install the required (350363) check valve in the 1 1/2" discharge of the pump's base. Thread in tightly. Using 2" ABS coupling and ABS pipes, connect the discharge line to the check valve, and run it to the desired waste location through the basement wall of your house. Otherwise, drain hose kits are available (350354). You may also connect a kit to the check valve with a clamp and run the pipe to the same location. Be advised that restriction in these kits is important and increase the head of the discharge line.

STEP 3

Position the sump pump in centre of the sump pit (18" diameter X 25" deep). Plug the pump motor three prong plug/cord into a grounded electrical outlet. Fill the sump pit with water to check pump operation. Pump should start automatically when the switch lever is activated by the rubber washer and stop when the water has been discharged and the float returns to the bottom of the sump pit.

To the end consumer

If you have any problems with the product, before advising the store, where you've purchased the pump, please contact us at 514 337-4415 , and ask for our sales department, and they will be pleased to help you with any questions you might have, concerning your installation.

NOTICE

This unit is not designed for applications involving salt water or brine. Use with salt water or brine will void warranty.

This product has been designed as a dewatering pump for flood protection in a residential home. The application of this product is for permanent installation. Do not use this pump to pump liquids (water) in excess of 100 degrees F.

REPAIR PARTS

REF.	PART	DESCRIPTION
1	350445	Top mount switch
2	350350A	1/3 HP 115V motor
3	350456	Motor Bolts (3)
4	350450	Float rod
5	350447	Rubber Stop (2)
6	350449	Float
7	350446.7N	Float/ Rod Assembly
8	350443	Float Guide
9	350653	Main shaft with coupling
10	350649	Stainless steel column
11	350651	C.I. Column Sump Pump Base

