

### Submersible Utility Pump

The A53S and A53S-24 Automatic Sump and Utility Pumps activate approximately every 2-1/2 minutes to check for water. During this "check", the pump runs for about one second and checks for resistance or drag against the impeller. If resistance (water) is found, it will run for as long as water is present. When all the water is pumped out, the pump shuts off and returns to its 2-1/2 minute test cycle.

When testing the pump, unplugging/plugging the pump in will not reset the 2-1/2 minute cycle. The Non-Automatic A53D Sump pump does not have this feature and can be activated by plugging the pump into a GFCI electrical 110VAC outlet.

### Cautions and Warnings



**WARNING: TO AVOID SERIOUS OR FATAL, PERSONAL INJURY OR MAJOR PROPERTY DAMAGE, READ AND FOLLOW ALL SAFETY INSTRUCTIONS IN MANUAL AND ON PUMP. THIS MANUAL MUST BE KEPT WITH THE PUMP. MAINTAIN ALL SAFETY LABELS.**

Disconnect electrical power before installing or servicing the pump. The motor's sensor or automatic thermal overload protection may allow the pump to operate expectantly.

**This pump should not be used to drain a pool cover or prevent water from accumulating on top of a pool cover. Using this pump as a pool cover pump will void the warranty.**



**CAUTION:** Pump must always be properly attached to the strainer before powering the unit to prevent damage to the pump, the surrounding environment or property and injury to persons.



**CAUTION:** This pump has been evaluated for use with water only. Pump is not designed for use in or on top of swimming pools, open bodies of water, hazardous liquids, or where flammable gases exist. This pump is designed for use with fresh and salt water only. Use with any other medium, including particularly hazardous, caustic or corrosive substances, could result in damage to the pump, the surrounding environment and injury to persons or property, including possible exposure to hazardous substance.



**WARNING:** Do not plug the pump into an outlet while standing in water or on a damp surface.



**WARNING:** To reduce the risk of injury, do not permit children to use this product.



**WARNING:** To reduce the risk of electric shock, do not use extension cord to connect unit to an electric supply; provide a properly located outlet.



**WARNING:** This pump is provided with a 3-prong grounding plug for use with a 110 volt AC 3-prong outlet. To reduce the risk of electric shock, be certain that it is connected only to a grounding type receptacle protected by a ground-fault circuit interrupter (GFCI). Contact a qualified electrician if you cannot verify that the receptacle is protected by a GFCI.



**WARNING:** All electrical work must be performed by a qualified technician. Follow all local and electrical and safety codes NES and OSHA. Do not bury cord. Visibly locate cord to minimize possible damage by lawn mowers, hedge trimmers and other equipment.



**WARNING:** To reduce the risk of electric shock do not use if cord or the product is damaged.

### General Information

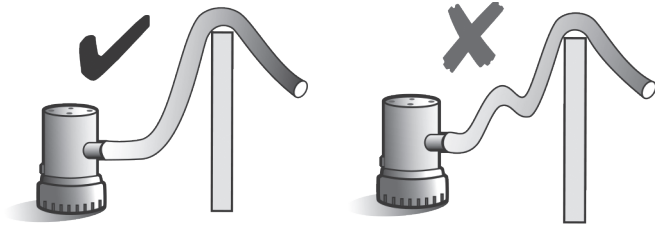
Sump pumps are designed to operate intermittently and usually seasonally. It is recommended that you test the pump before your rainy season begins to insure that the pump is operating properly.

Restricting the flow by using a smaller pipe or hose size (such as a garden hose) does not damage the pump, but will result in a reduction in flow. For maximum flow, use the shortest length of the largest diameter hose available.

If being used in a basement sump or basin, we suggest installing a high water alarm system and a battery back-up pump system for finished basements or areas where flooding will cause property damage. Pump manufacturer's warranties cover only the pump. Labor and incidental damage such as flooding is not covered.

For sump/utility use, attach the strainer to a wood base. If mounting the pump onto concrete, first fasten a piece of wood to the concrete and then attach the strainer to the wood. Use 1-1/8 " I.D. hose, 1" pipe with the included elbow pipe adapter, or use a standard garden hose with included garden hose adapter. After connecting the discharge hose to the pump it can be lowered into the sump. Always lower the pump by holding the housing, never by the power cord or hose.

All air/water pockets must be eliminated by having the discharge hose, run level or continuously downwardly. There must be no loops or "sags" in the hose that would trap water.



It is imperative that you keep the strainers clean and free of debris. We recommend that you remove any debris that may accumulate in and around the plastic strainer, and around the internal stainless strainer (available in some models) located under the plastic base strainer.

Should the impeller jam due to ice, no action is necessary. The pump will resume its normal operation when the ice thaws. The pump will continue to check for water every few minutes while frozen and automatically shut itself off after each check. To prevent unnecessary wear, it is recommended, but not necessary, to disconnect the pump if it is frozen in ice for an extended period of time.

Should the impeller jam due to debris, the debris should be removed as soon as possible to allow the pump to return to its normal automatic pumping mode.

### Removing the Debris and Cleaning the Pump

1. Disconnect the power (unplug the power cord) before cleaning the pump.
2. Remove the plastic strainer by pressing the two red tabs on either side of the base and remove the red base.
3. Remove any debris that has built up and clean with a mild detergent.
4. Place the metal strainer (if equipped) over the inlet of the pump and press the pump onto the strainer so that both lock tabs "snap" into place.

Symptom	Possible Cause	Possible Remedy
Pump only runs for a few seconds	Insufficient water	The automatic control system tests for water approximately every few minutes. If the water level detected is only about 3/4", the pump will shut off after a few seconds. Every few minutes thereafter, it will automatically check the water level and will only continue pumping if sufficient water is present.
	Clogged strainer or jammed impeller	Disconnect pump from power source and remove strainer (some models contain stainless steel inner strainers). Remove debris from strainer(s) and surrounding area. Remove any debris from the impeller.
	Blocked discharge line	Disconnect pump from power source and remove blockage from pipes/hoses and discharge port.
Pump does not run	Poor electrical connections	Check electric receptacle for power. Check fuse and/or circuit breaker. Is the receptacle a three prong grounded outlet in good condition? Is the plug making good contact in the receptacle?
Pump runs, but does not pump water	Air lock	Check discharge hose. Is it running level or continuously downwardly once the hose starts downwardly? Are there any loops in the hose?

Discharge Height Above Pumping Level	0 FEET	5 FEET	10 FEET
Gallons Per Hour	1800	1250	700

**READ AND FOLLOW ALL INSTRUCTIONS  
SAVE THESE INSTRUCTIONS**

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