



DESCALER PUMP

INSTRUCTION AND OPERATING MANUAL

Models

FSDSKIT



Specifications

Power Supply Requirements	115 VAC, 60 Hz
AMP Rating	2.2 Amps
Temperature Rating	32°F to 95°F
Discharge	1 in. Male NPT

IMPORTANT!

READ ALL INSTRUCTIONS CONTAINED IN THIS MANUAL BEFORE USING THIS PRODUCT.

Save these instructions for future reference. Failure to read and follow the warnings and instructions within this instruction manual could result in property damage, serious injury or death.

FloodStop® Pump Tech Support: 1-833-786-7779

SAFETY FIRST!

This instruction manual contains very important information for you to know and understand. This information is provided for your safety and to help prevent equipment problems from occurring. Please observe all safety information labeled danger, warning, caution, and notice.



WARNING

WARNING INDICATES A POTENTIALLY HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN DEATH, SERIOUS INJURY OR MAJOR PROPERTY DAMAGE.



RISK OF ELECTRIC SHOCK. TO REDUCE THIS RISK, OBSERVE THE FOLLOWING WARNINGS:

WARNING! To reduce the risk of electrical shock, this system must be properly grounded in accordance with the National Electric Code (NEC) and all applicable state and local codes and ordinances. The receptacle should be protected with a Ground Fault Circuit Interrupter (GFCI).

WARNING! To reduce the risk of electrical shock, always disconnect the pump / system from the power source BEFORE handling or servicing.

WARNING! Never remove the ground prong from the plug, or use an adapter that eliminates the ground prong.

WARNING! Never plug this pump system into an electric outlet while standing on a wet surface.

WARNING! Cables should be protected at all times to avoid punctures, cuts and abrasions that may result in exposed wiring. Never handle connected power cords with wet hands.

WARNING! The FloodStop® System has not been investigated for use in or around swimming pools, marine areas, recreational water installations, decorative fountains or any installation where human contact with the pumped fluid is common.

WARNING! Do not use an extension cord. Extension cords could present a safety hazard if not properly sized, become damaged or the connection falls into contact with water.



RISK OF EXPLOSION. TO REDUCE THIS RISK, OBSERVE THE FOLLOWING WARNINGS:

WARNING! Do not use to pump flammable or explosive liquids such as gasoline, fuel oil, kerosene, etc.

WARNING! Do not use in a flammable or explosive atmosphere.



NOT SUITED FOR POTABLE WATER APPLICATIONS.

WARNING! Do not use this pump to transfer water that will be used for potable (drinking) water. This pump is only to be used in applications for which it is designed.



CAUTION

CAUTION INDICATES A POTENTIALLY HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, MAY RESULT IN MINOR INJURY OR PROPERTY DAMAGE.



TO REDUCE THE RISK OF HAZARDS THAT CAN CAUSE INJURY OR PROPERTY DAMAGE, OBSERVE THE FOLLOWING WARNINGS:

CAUTION! Do not install the pump if it has been damaged in any way.

CAUTION! Do not carry or lift the pump by the power cord. Use the pump's lifting handle.

PERFORMANCE

MODEL	HP	GPH of Water @ Total Feet of Lift						Max. Lift
		0 ft.	5 ft.	10 ft.	15 ft.	20 ft.	25 ft.	
FSDSKIT	1/6	1500	1400	1300	1100	750	300	27 ft.

PRE-INSTALLATION

APPLICATION

- This submersible utility pump is designed for water removal applications. Pump water only with this pump. It can automatically drain or remove water from the following: pits, sinks, window wells, basements, swimming pool covers, boats, low spot in yards, or other flooded areas.
- This pump has not been tested or approved for use in swimming pools or in salt-water marine areas. This pump is not designed to function as a permanently installed sump pump. It is also not engineered to be run continuously as a “fountain” or “waterfall” pump.
- Do not use where water re-circulates.
- Not designed for use as a swimming pool drainer.
- Operating water depth: minimum 1in.

NOTE: Parts are not shown to scale.

INSTALLATION

1. Connecting adapter: Attach a 1 in. female adapter to the pump discharge.
2. Connecting a 3/4" garden hose: Attach a garden hose with a 3/4 in. garden hose thread (not included) to the adapter



NOTICE

This pump was not designed to handle salt water, brine, laundry discharge, water softener discharge or any other application that may contain caustic chemicals. Damage to the pump may occur and will void the pump's warranty.

OPERATION

NOTE: Make certain you unwind the garden hose completely. Kinks in the hose will restrict the pump, preventing it from priming, which is the first step to pumping water.

1. Place the pump on a solid base in a flooded area or any place that you would like to remove water. Plug the pump into a 115 volt GFCI power outlet.

WARNING: Do not allow the plug to fall in water and do not stand in water while the pump is plugged in.

WARNING: Do not handle the pump or pump motor with wet hands or when standing on a wet or damp surface, or in water while the pump is plugged in.

NOTE: Place upright on a solid base.

NOTE: The pump must be standing in at least 1 in. (25.4 mm) of water before you start it.

2. Allow the pump to run and monitor its progress.
3. Unplug the pump when it has removed water down to approximately 1/4 in. (6.4 mm).
4. Remove the pump and hose from the location when finished pumping. The hose still has water that can drain back through the pump. Remove remaining water with a squeegee, mop, sponge, towel, wet/dry vacuum, etc.

CAUTION: Do not run the pump dry. Operating the pump without water will cause damage to the seals and will cause the pump to fail, thereby voiding the pump's warranty.

AIRLOCK

This pump is a centrifugal utility pump, designed to efficiently remove water. However, it cannot move air. If air is trapped inside the pump (a condition called "airlock"), the pump cannot pump water out even though the pump is completely submerged. This adapter (included) has an anti-airlock hole. Air flows out through the anti-airlock hole, eliminating the airlock so that the pump can operate properly. If debris blocks the anti-airlock hole, unplug the pump, clean out the anti-airlock hole, and restart the pump. Alternately, drain the water out of the garden hose, keep the end of the hose out of the water, and plug in the power cord, restarting the pump.

CAUTION: This hole is for anti-airlock purposes only. Leakage of air or water is normal and necessary.

DO NOT REMOVE OR PLUG THIS HOLE!

CARE AND CLEAN

CAUTION: Always use the handle to lift the pump. Never use the power cord to lift the pump. To avoid skin burns, unplug the pump and allow time for it to cool after periods of extended use.

DO

- When the power is disconnected, inspect the pump suction screen and remove all debris, then plug the pump back into the grounded (GFCI) outlet.

DO NOT

- Do not disassemble the motor housing. This motor has NO repairable internal parts, and disassembly may cause leakage or dangerous electrical wiring issues.
- Do not lift the pump by the power cord.

TO CLEAN A PUMP WITH CLOGGED DEBRIS

- Unplug the pump from electrical power.
- Unscrew the stainless screws, and remove the bottom plate
- Unscrew the stainless screws, and remove the volute and gasket
- Use a flathead screwdriver to hold the shaft, then turn the impeller counterclockwise to release the impeller. Remove debris from around the shaft and on/under the impeller.
- Reassemble.

TROUBLESHOOTING

PROBLEM	POTENTIAL CAUSE	POSSIBLE SOLUTION
Pump does not start or run	<ol style="list-style-type: none">1. The fuse is blown.2. The breaker is tripped.3. The plug is disconnected.4. The plug is corroded.5. The motor failed.6. Ice or blockage has locked the impeller.	<ol style="list-style-type: none">1. Replace the fuse.2. Reset the breaker.3. Secure the plug.4. Clean the plug prongs.5. Replace the pump.6. Remove the blockage.
Pump cannot pump water out	<ol style="list-style-type: none">1. The screen is blocked.2. The hose is kinked, bent sharply, or coiled.3. There is airlock.4. The hose length is too long.5. The impeller is loose on the shaft.6. The impeller is broken.	<ol style="list-style-type: none">1. Clean the screen.2. Straighten the hose.3. Clean the anti-air lock hole.4. Use a shorter hose.5. Reassemble the impeller.6. Replace the impeller.



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