

**FLOODSTOP®***Preferred by the pros.*

UTILITY PUMP

INSTRUCTION AND OPERATING MANUAL

Specifications

Power Supply Requirements	115 VAC, 60 Hz
AMP Rating	2 Amps
Temperature Rating	32°F to 95°F
Discharge	1 in. Male NPT or 3/4 in. garden hose thread

MODEL MLFS22801



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.



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 use discharge hose. Discharge hose may whip under pressure. Use rigid piping and fittings to secure the pump in the sump basin to reduce movement.
- 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.	
MLFS22801	1/4	1800	1550	1320	1080	780	360	28 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 1-1/4 in.

INSTALLATION

1. Connecting adapter: Attach the included 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



WARNING

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. This pump has water detector sensors. As long as the water level is over 1-1/4 in., the pump will automatically start operating.

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.

2. If the water level is over starting level 1 1/4 in, the pump will automatically start and pump out water until the water level is down to 1/4 in. When water reaches starting level 1 1/4 in again, the pump will start again.

NOTE: The pump will not start working unless the water level is over 1-1/4 in.

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

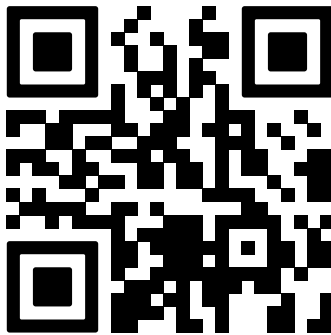
- Unplug the pump from electrical power.
- Remove the screws and take out the bottom plate from the pump
- Remove debris from the screen.
- Remove the screws and take out the volute from the pump and clean the debris on the impeller.
- Reassemble the volute.

TROUBLESHOOTING

PROBLEM	POTENTIAL CAUSE	POSSIBLE SOLUTION
Pump Will Not Run	<ol style="list-style-type: none"> 1. Pump is air-locked 2. Be sure pump is actually running, not just humming 3. Discharge hose or pipe is blocked or too restrictive 4. Discharge hose/pipe goes up too high 5. Impeller or other internal parts are worn, damaged, or clogged 6. Check valve (if installed) is installed backwards 	<ol style="list-style-type: none"> 1. If pump is equipped with an anti-airlock hole, be sure it is clear of debris. Lay pump down on its side and stand it upright while in the water to allow air to escape from and water into the impeller area. 2. See section below called "Motor hums-pump not running" 3. Check hose/pipe for blockages. Check manual for maximum lengths of pipe/hose that pump can handle. Do not use a hose/pipe that is narrower than the discharge of the pump itself. 4. Every pump has a maximum "head" capability, which is the highest it can lift water. Do not route discharge hose/pipe higher than the rating. 5. Inspect the impeller and volute for wear or breakage. Repair or rebuild as needed. Check for clogs in the impeller screen and in the outlet iser (part that extends from volute to outlet). 6. Check body of check valve for an arrow indicating flow direction, or markings of "in" and "out" or similar. Install in proper direction to allow water flow
Motor does not run or make any noise at all	<ol style="list-style-type: none"> 1. Pump is not getting any power 2. Water sensing probes not submerged in at least 1-1/4 in. of water. 3. Water sensing probes are damaged or covered with debris. 4. Pump has overheated from continuous use 5. Internal connection or otor has failed 6. The liquid temperatures below 30 degrees F or above 77 degrees F. 	<ol style="list-style-type: none"> 1. Check outlet where pump is plugged in. Make sure it has power. If no power check your home's fuse or circuit breaker panel and repair as needed. Pump is not plugged in properly. Ensure pump's plug is making good contact in outlet. 2. Ensure pump is sitting flat in the water. Pump will not begin operating until the water sensing probes are submerged in at least 1-1/4 in. of water. 3. Remove sensor protector screen. Flush the sensor housing with fresh water and ensure the probes are clean. 4. The pump has turned off to protect itself and user. Allow pump to cool before next use. 5. If all items above check out OK, the motor has failed. Replace pump. 6. Do not operate pump in temperatures as indicated.
Pump runs and moves water but the quantity of water is less than it should be	<ol style="list-style-type: none"> 1. Discharge hose is restrictive 2. Debris partially blocking intake area 3. Discharge elevation too high 4. Impeller or other internal parts are worn or damaged 	<ol style="list-style-type: none"> 1. If you are using a hose that is narrower than the pump discharge, or a long hose, the pump will not be able to discharge water at the rate for which it was designed. Use a shorter, fatter hose. Check hose for coils or kinks. Lay hose out straight for best performance 2. Remove debris and ensure intake area is clear for optimum performance 3. The higher the discharge hose goes, the less water the pump can move. For improved performance the hose should go up too high. Inspect the impeller, diffuser, and other internal parts for wear and damage. Repair as needed

TERMS AND CONDITIONS OF SALE

Orders for this product are expressly made conditional on buyer's assent to company's terms and conditions of sale, which can be found by scanning the QR code below, or are available upon request by mail. Any terms and conditions in any of buyer's documents that are inconsistent with or add to seller's terms and conditions of sale are hereby rejected and are not binding upon company.



Installed by:

Model:

Date of Installation:

Serial Number:



FLOODSTOP®

Preferred by the pros.



500 Distribution Parkway
Collierville, TN 38017
Phone: 800-888-8312
Fax: 901-853-5008
www.ipscorp.com

Warranty

See warranty information for more details.

All dimensions listed are nominal. MAINLINE® reserves the right to make product and material changes at any time without notice.



Contact your sales representative for more information or visit our website at mainlinecollection.com



WARRANTY INFORMATION

Mainline products will be covered by IPS Diversified Products Group ("Seller")'s limited warranty. It is as follows:

Warranty. For a period of one year from the date of shipment**, and provided payments for the products have been made by Buyer to Seller, Seller warrants to Buyer that its products: (i) substantially conform to Seller's published specifications and (ii) are free from defects in material or workmanship. Product performance is limited by the capability of the structure and/or system it is installed in. If a warranted product fails to conform to these warranties, Buyer must promptly notify Seller in writing. For a valid warranty claim, Seller will, at its discretion and at no product charge to the Buyer: (i) repair the product; (ii) replace the product; or (iii) offer a full refund of that portion of the purchase price allocable to the non-conforming product. Warranty repair or replacement by Seller will not extend or renew the applicable warranty period. Buyer will obtain Seller's agreement on the specifications of any tests it plans to conduct to determine whether a product non-conformance exists. Buyer will bear the costs of access for Seller's remedial warranty efforts (including removal and replacement of systems, structures or other parts of Buyer's facility), de-installation, decontamination and re-installation. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. This warranty allocates the risks of product failure between Seller and Buyer. This allocation is recognized by both parties and is reflected in the price of the products. Buyer acknowledges that it has read this warranty, understands it, and agrees to and is bound by its terms.

**The products listed below have different warranty periods. All other terms of the Limited Warranty set forth herein apply to these products, just the duration of the warranty is different. Duration of the warranty begins at date of shipment.

Studor Products: 3 years

Water-Tite Roofing Products: Life of the current roof system

Roof Top Blox: 20 years

Test-Tite Pneumatics: 2.5 years

AB&A: 6 months

FloodStop Pumps and Smart Accessories: 3 years

What is Not Covered by Warranty. No representative of Seller has authority to waive, alter, vary or add to the scope of the warranty without prior written approval of an officer of Seller. Seller's warranty does not apply to: (i) products impacted by adverse water conditions, extreme weather or temperatures, or other natural conditions; (ii) improper or unauthorized repair, installation or maintenance of the products by a party other than Seller; (iii) use for purposes or under conditions other than those for which designed, or other abuse, negligence, misuse, unauthorized access, or normal wear and tear; (iv) unauthorized attachments, modifications or disassembly; (v) damage during shipping; or (vi) products purchased from unauthorized distributors, resellers or internet sites. Buyer's care in selection, adequate testing at time of installation and proper installation, operation and maintenance of all products is required for adequate performance.



Limitations of Liability. NOTWITHSTANDING ANY PROVISION OF THIS CONTRACT OR THE LAW, IT IS EXPRESSLY AGREED THAT SELLER'S TOTAL LIABILITY FOR ANY DAMAGES, COSTS OR EXPENSES ARISING OUT OF OR RELATED TO THIS CONTRACT OR ITS PRODUCTS, WHETHER BASED IN CONTRACT, WARRANTY, INDEMNITY, TORT/EXTRA-CONTRACTUAL LIABILITY (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE, IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE PRODUCT, AS APPLICABLE, OR, AT SELLER'S OPTION, A RETURN OF AN AMOUNT THAT WILL NOT EXCEED THE PURCHASE PRICE. UNDER NO CIRCUMSTANCES WILL SELLER, ITS OFFICERS, DIRECTORS, EMPLOYEES OR ASSIGNS BE LIABLE FOR ANY OTHER REMEDY, LOSS, COST, DAMAGE OR EXPENSE WHETHER DIRECT OR INDIRECT. IN NO EVENT WHATSOEVER WILL SELLER BE LIABLE FOR ANY CONSEQUENTIAL, LIQUIDATED, EXEMPLARY OR PUNITIVE DAMAGES, INCLUDING BUT NOT LIMITED TO, LOSS OF USE, INCOME, PROFIT, OR PRODUCTION; INCREASED COST OF OPERATION; SPOILAGE OR DAMAGE TO MATERIAL OR DATA; OR CHANGE OUT COSTS. BUYER WILL INDEMNIFY, DEFEND AND HOLD SELLER HARMLESS FROM ANY LOSS, COST, EXPENSE, DAMAGE, OR CAUSE OF ACTION TO OR BY A THIRD PARTY THAT EXCEEDS THESE LIMITATIONS OF LIABILITY.

**Effective July 1, 2023, due to an update in California law, the start date for product warranties will now be aligned with the date of delivery of the product. This change is for all Mainline products purchased on or after July 1, 2023 by California consumers. (California Legislative Information AB-2912)*

