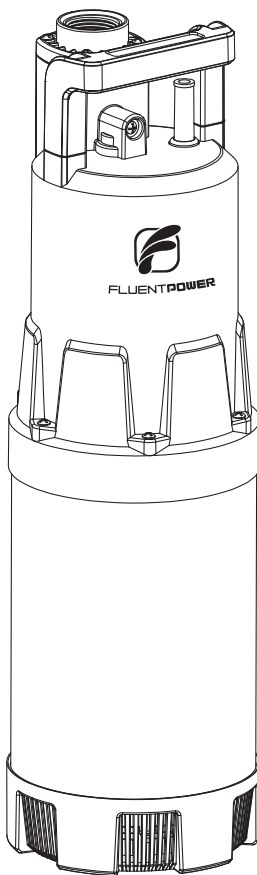


HIGH PRESSURE SUBMERSIBLE PUMP

AUTOMATIC

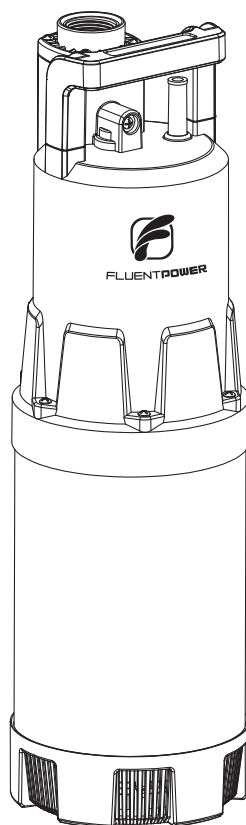
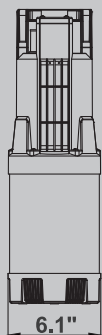
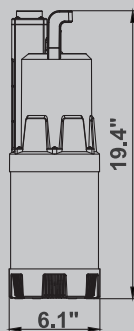


MODEL:FSP1300HC-1

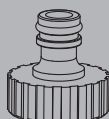
Instruction Manual



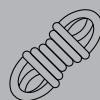
Find More Items



x1

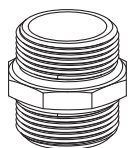


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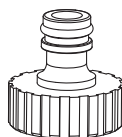


x1

HOSE ADAPTERS INCLUDED



NPT 1" to GHT 3/4"

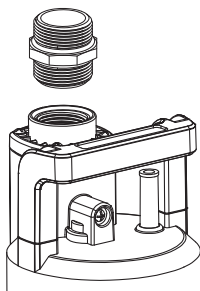


Quick connector

HOSE CONNECTION

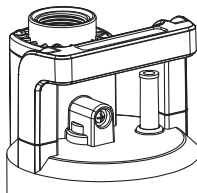


Hose shown is not included.

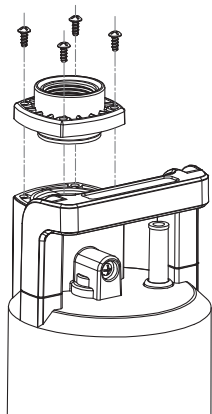


GHT 3/4"

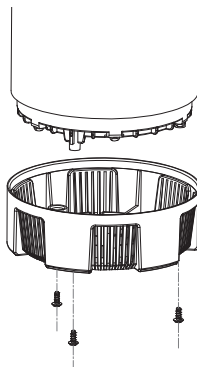
NPT 1"



MAINTENANCE

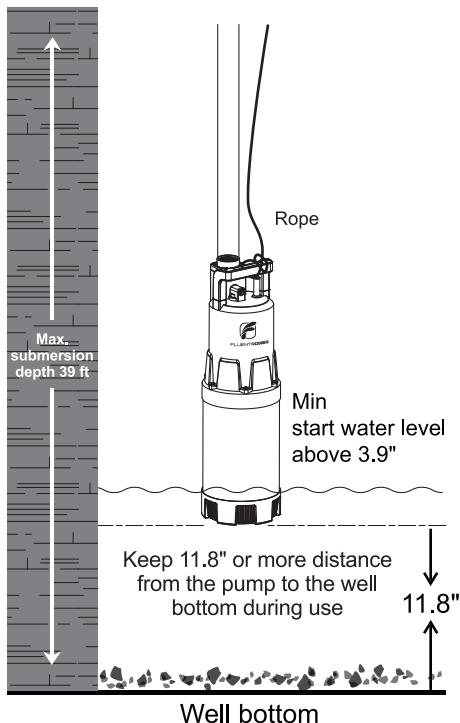


Open the check valve



Open the base filter

PUMP OPERATION



This product may be used under supervision, or if instruction regarding the safe use of the product has been provided and the resulting dangers have been understood, by children aged 8 and above, as well as by persons with physical, sensory or mental disabilities or a lack of experience and knowledge. Children must not be allowed to play with the product. Cleaning and user maintenance must not be performed by children without supervision. The use of this product by young people under the age of 16 is not recommended. Never operate the product when you are tired, ill or under the influence of alcohol, drugs or medicine.

Intended use:

The **Submersible Pressure Pump** is intended for the extraction of water from wells, shafts and other water reservoirs, for the operation of irrigation equipment and systems, also for pumping rainwater and tap water. This pump is also intended for domestic water supply in private domestic gardens and allotments.

Liquids to be pumped:

The Submersible Pressure Pump must only be used to pump water. The pump is fully submersible (water-tight encapsulation) and is submerged in water (for max. submersion depth 39 ft). The pump is equipped with an integrated check valve, which prevents automatic drainage of the pressure hose when the pump is shut down.

The product is not intended for long term use (continuous circulation operation).



DANGER! Risk of injury!

The pump should not be used for the delivery of salt water, muddy water, corrosive, easily inflammable or explosive liquids (e.g. petrol, paraffin, thinners), oil, heating oil or foodstuffs.

1. SAFETY

IMPORTANT!

Read the operator's manual carefully before use and keep for future reference.

Symbols on the product:



Read operator's manual.

General safety warnings

Electrical safety



DANGER! Electric shock!

Risk of injury due to electric current.

- To reduce the risk of electric shock, install only on a circuit protected by A Ground-Fault Circuit-Interrupter(GFCI).



DANGER! Risk of physical injury!

Risk of injury due to electric current.

- Disconnect the product from the mains before you maintain or replace parts.
Thereby the disconnected socket must be in the visual range.

Safe operating practices

- The water temperature should not exceed 95°F.
- The pump must not be used when people are in the water.
- Pollution of the liquid could occur due to leakage of lubricants.

Circuit breakers

Dry-running protection:

- If the water level is too low, the pump switches off automatically.
- Submerge the pump deeper into the water.

Thermal protection switch:

- In the event of an overload, the pump is switched off by the built-in thermal motor protection. After sufficient cooling of the motor, the pump is operational again.

Automatic venting:

- This pump is equipped with a vent valve which eliminates any air pockets in the pump. Depending on the function, a small amount of water can escape below the handle.

Additional safety warnings

Electrical safety



DANGER! Electric shock!

With a cut off mains plug, moisture can get into electrical parts via the mains cable and cause a short circuit.

- Never cut the mains plug off (e. g. to feed through wall).
- Don't use the power cable for plugging off.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
Mains plug and extension connections must be protected from water splashes.
- Ensure that the electrical connections for plugs and sockets are made in areas safe from flooding.

- Protect the mains plug and the mains power cable from heat, oil and sharp edges.
- Observe the mains voltage. The information on the nameplate must be in agreement with the data for the mains power grid.
The pump's mains plug must be disconnected before anybody enters the swimming pool.
- The mains power cable must not be used for fastening or transporting the pump.
- For submerging or lifting / securing the pump, please use the fastening rope. Please regularly check the connecting line.
Before using, always subject the pump (especially the power cables and the power connections) to a visual inspection.
Do not disassemble the pump any further than the delivery condition.
- Before use after maintenance, make sure that all parts are screwed together. When using our pumps with a generator, the warnings of the generator manufacturer must be observed.

Personal safety



DANGER! Risk of suffocation!

Small parts can be easily swallowed. There is also a risk that the polybag can suffocate toddlers. Keep toddlers away when you assemble the product.

- Observe the minimum water level in accordance with the characteristics given for the pump.
- Sand and other abrasive substances cause increased wear and reduce the pump's output.
- The pump must not be used to increase the pressure through the thread on the inlet side.
- The hose must not be disconnected during operation.
- Allow the pump to cool down before troubleshooting.

2. ASSEMBLY



DANGER! Risk of suffocation!

Injury when the product starts accidentally.

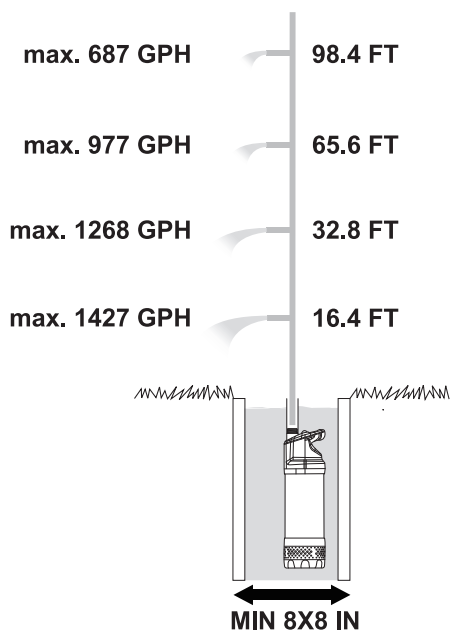
Disconnect the product from the mains before you assemble the product.

- The hose can be connected via the pump connection and the connection adapters.
 1. 3/4" garden hose connection,
 2. Quick connector system.

The bigger hose diameter, the bigger output flow.

Please see the hose connection diagram

Performance with 1" discharge hose



3. OPERATION



DANGER! Risk of injury!

Injury when the product starts accidentally.

Disconnect the product from the mains before you connect, adjust or transport the product.

To pump water :

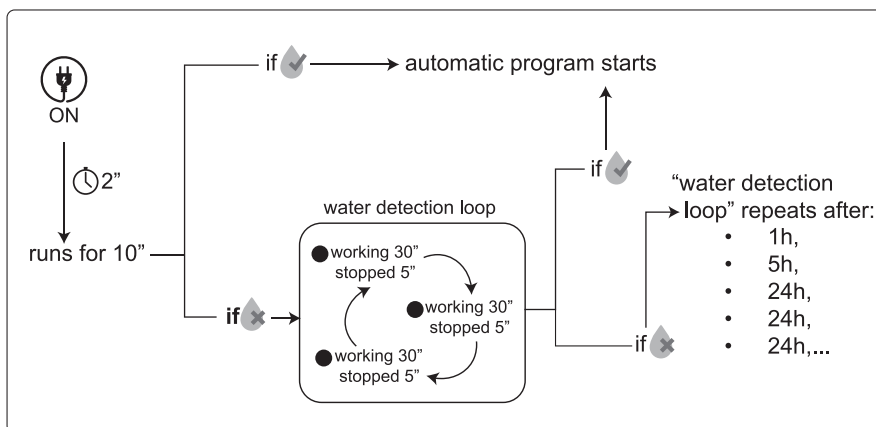
The pump must always be submerged in the well or water reservoir with the rope provided. For the pump to be primed, the pump must be submerged at least 3.9 in. So that the filter does not become dirty, the pump should be fixed at least 11.8 in above the ground.

1. Attach the rope securely to the plug.
2. Submerge the pump in the well or water reservoir via the rope.
3. Secure the rope.
4. With deep wells or shafts (from approx. 16.4 ft), route the connection cable along the rope with clips.
5. Connect the pump to the mains.

The pump starts approx. 2 sec. after connecting the connection cable.

The pump is ready for operation.

Due to the integrated non-return valve, the pressure is maintained in the hose until water is drawn via the hose.



1. It waits 2 seconds before starting, and runs 10 seconds for water detection.
2. A) If there is water, automatic program starts
 B) If there is no water, "water detection loop" starts. It consists of 3 loops of 30 sec. working and 5 sec. stopping
3. During "water detection loop" (B)
 - a. if water is detected, automatic program starts
 - b. if not, "water detection loop" is repeated after 1h, 5h, 24h, and goes on every 24 hours until water is detected.

When that happens, automatic program starts.

When unplugged and plugged in again, it starts from step 1 again

Automatic mode:

- The pump automatically switches off as soon as no more water is retrieved.
- Due to the integrated non-return valve, the pressure is maintained in the hose until water is drawn via the hose.
- When water is drawn via the hose (the pressure in the hose falls below approx. 1,5 bar, the pump switches on automatically.

Low quantity protection:

When the internal pressure more than 2.2 bar and output flow less than approx. 0.52gpm, the flow control switches off automatically and enters to low quantity protection. This happens in the event of leakage on pressure side(e.g. leaking on output hose or tap). It switches the pump on when internal pressure drops to 1.5 bar.

4. MAINTENANCE



DANGER! Risk of injury!

Injury when the product starts accidentally.

Disconnect the product from the mains before you maintain the product.

To clean the base and check valve

In order to ensure continuous trouble-free operation, the base and check valve should be cleaned at regular intervals.

After pumping dirty water, the base or check valve must be cleaned immediately.

1. Disassemble screws on the base or check valve cover by a screwdriver
2. Clean the base or check valve cover under running water.
3. Re-install the base or check valve cover in the opposite sequence.

The pump must not be operated without the base.

To flush the pump:

After pumping chlorinated water, the pump must be flushed.

1. Pump lukewarm water (max. 95°F), possibly adding a mild cleaning agent (e. g. detergent) until the pumped water runs clear.
2. Remove residuals according to the waste disposal laws applicable in your area.

5. STORAGE

To put into storage: The pump is not frost-proof!

The product must be stored away from children.

1. Disconnect the pump from the mains.
2. Turn the pump upside down until no more water runs out.
3. Clean the pump (see 4. MAINTENANCE).
4. Store the pump in a dry, enclosed and frost-free place.

Disposal: (in accordance with RL2012/19/EC)

The product must not be disposed of to normal household waste. It must be disposed of in line with local environmental regulations.

IMPORTANT!

Dispose of the product through or via your municipal recycling collection centre.

6. TECHNICAL DATA

Rated Power: 1100 W	Mains voltage: 120V(AC)
Mains frequency: 60 Hz	Max. delivery capacity: 1700 GPH
Max. submersion depth: 39 Feet	Residual water level: 0.6 Inch
Switch-on pressure: 1.5 Bar	Power cable: 49 Feet
Max. pressure / max. delivery head: 4.5 Bar/ 147 Feet	
Min. submersion depth for operation (approx.): 3.9 Inch	
Weight without cable (approx.): 16.5 Lbs	
Fastening rope length: 66 Feet	
Max. media temperature: 95°F	

7. TROUBLESHOOTING



DANGER! Risk of injury!

Injury when the product starts accidentally.

Disconnect the product from the mains before you troubleshoot the product.

Problem	Possible Cause	Remedy
Pump is running, but doesn't deliver	Air cannot escape, because the pressure line is closed. (Possible kink in the pressure hose.)	Open the pressure line (e. g. shut-off valve, delivery units).
	Air in suction foot.	Wait for about 60 seconds until the pump has vented; if necessary, turn off and then on again.
	Filter is clogged.	Clean the filter (see 4. MAINTENANCE).
	Water level below minimum water level when put into operation.	Submerge the pump deeper.
Pump does not start, or stops suddenly during operation	Thermal switch has turned the pump off because of overheating.	Clean the filter (see MAINTENANCE). Observe the max. media Temperature (95 °F).
	Check valve is stuck.	Disassemble the outlet and clean check valve by running water.
	Pumping without electricity.	Check fuses and electrical plug connections.
	RCD has triggered (residual current).	Disconnect the pump and contact the seller
	Leak on pressure side.	Eliminate any leak on the pressure side.
Pump is running, but the delivery drops	Filter is clogged.	Clean the filter (see MAINTENANCE).

8. WARRANTY

Warranty statement:

This manufacturer's warranty does not apply to products acquired second hand. This warranty includes all significant defects of the product that can be proved to be material or manufacturing faults. This warranty is fulfilled by supplying a fully functional replacement product or by repairing the faulty product sent to us free of charge; we reserve the right to choose between these options. This service is subject to the following provisions:

- The product has been used for its intended purpose as per the recommendations in the operating instructions.
- Neither the purchaser nor a third party has attempted to open or repair the product.
- Only Original replacement parts and wear parts have been used for operation.
- Presentation of the receipt.

Normal wear and tear of parts and components (such as blades, blade fixing parts, turbines, light bulbs, V-belts / toothed belts, impellers, air filters, spark plugs), visual changes, wear parts and consumables are excluded from the warranty.

This manufacturer's warranty is limited to replacement and repair of products in accordance with the abovementioned conditions. The manufacturer's warranty does not constitute an entitlement to lodge other claims against us as a manufacturer, such as for damages. This manufacturer's warranty does not, of course, affect statutory and contractual warranty claims against the dealer / retailer.

In case of a warranty claim, please return the faulty product, together with a copy of the receipt and a description of the fault, with postage paid to the service address.

Consumables:

The impellers are consumables and are not included in the warranty.

9. CUSTOMER SUPPORT:

PLEASE DON'T RETURN THIS
PRODUCT TO THE STORE

- HAVING PROBLEMS ?
- INSTALLATION QUESTIONS ?
- NEED PARTS ?
- TROUBLESHOOTING ?

CONTACT US FIRST : fluenttools@gmail.com

This image shows a single page from a notebook or ledger. The page is white with light gray horizontal ruling lines spaced evenly apart. There are no vertical margin lines, and the page is completely blank except for the lines. The corners of the page are rounded.

