



Little Frog Series Pond Pump

Owner's Manual



Anjon Manufacturing
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Anjon Flood Pump

Please read these instructions completely before using one of Anjon Pond Pumps in the table below.

Model	Rated Voltage	Rated Current Input	Motor	Flow	Max Total Head	Max. Operation Depth
FL-1200	120V, 60Hz	2.35A	EM12000	2000 G/h	20 ft	6.5 ft
FL-2100	120V, 60Hz	2.45A	EM12500	3000 G/h	21 ft	6.5 ft
FL-3200	120V, 60Hz	2.55A	EM15000	4000 G/h	21 ft	6.5 ft

These pumps are used as submersible and non-submersible pumps provided with overload-protected devices in garden ponds, fountains, terraced fountains, indoor fountains to circulate and oxygenate clear water. You can use the suction cups or four screws to mount it. If mounted to appropriate base, make sure that the appliance is securely installed before operation.

These pumps are not for use in swimming pools!

CAUTION: These pumps should be installed according to your local electrical code. Please contact an electrician. For all technical data, please refer to the content stated on the rating label of the pump.

WARRANTY

Anjon Manufacturing (Anjon) warrants to you, the original purchaser, that the products listed below will be repaired or replaced free of charge if it fails to work due to defects in material and workmanship within a period of 2 years from the date of original purchase.

Flood Pump Models: FL-1200, FL-2100, FL-3200

This warranty is subject to the following terms and conditions:

- 1.) Should it be necessary to return the product during the warranty period, it may be shipped, at the owner's expense, to Anjon Manufacturing, Warranty Services, 1000 Liberty Industrial Drive, O'Fallon, MO 63366. Warranty claims must be accompanied by proof of purchase, either written or by prior registration of the product at www.anjonmfg.com/warranty.
- 2.) An RMA (return merchandise authorization) form must be completed before returning any item for warranty evaluation and/or repair.
- 3.) Anjon's decision on all questions related to alleged defects and repair shall be conclusive.
- 4.) Repair parts or replacement product will be given on an exchange basis and will either be new, equivalent to new, or reconditioned. All customer returned parts or products we replace become the property of Anjon.
- 5.) The warranty or extended warranty protection does not cover normal wear and tear, nor any deterioration suffered through freezing water in the product, improper use, negligence or accident. Similarly, modifications made to this product by the purchaser or installer shall invalidate this warranty.
- 6.) This warranty does not cover UV bulbs (unless damaged or broken in shipping from Anjon to the original purchaser), filter media or bio balls.
- 7.) This warranty does not invalidate your statutory rights, but preserves your full benefits.
- 8.) Anjon does not assume and will not accept liability for compensation for any loss or damage whatsoever sustained by the purchaser.

WARNING:

- Risk of electric shock – This pump is supplied with a grounding conductor and grounding type attachment plug. To reduce risk of electric shock, be certain that it is connected only to properly grounded, grounding-type receptacle
- To reduce the risk of electrical shock, use only on portable self-contained fountains no larger than 5 ft in any dimension.
- Risk of Electric shock. Do not remove cord and strain relief. Do not connect conduit to pump.
- This pump has been evaluated for use with water only.
- Reduce risk of electric shock during operation of this pump requires the provision of acceptable grounding
- Risk of electric shock – This pump has not been investigated for use in swimming pool or marine areas.
- Do not connect to any voltage other than that shown on the pump
- Always disconnect from electrical supply before handling pump.
- Don't operate without water
- Operate pump completely submerged for proper cooling

DISPOSAL: Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

Used as submersible pumps

IMPORTANT: Do not let the pump run dry – this could cause damage to the motor.

- Submerge the pump completely so as to make the pump body fill with water.
- A water level of approx. 6 in. is required for submersible use in order to prevent the pump from taking in air.
- To prevent the filter becoming prematurely clogged, do not place the pump in the mud.
- The pump is designed to accommodate 1" internal threads as well as 1" external threads through the socket (fountain jets, nozzles, water height regulators, standpipes, etc.).
- Running in conjunction with fountain jets, the pump should be stationed firmly and horizontally (on a brick)
- The pump can be switched on by simply plugging it in and switched off by un-plugging it.
- The water temperature should not exceed 95°F (35°C) and do not let the pump freeze in the wintertime.
- This appliance is not intended for use by persons, (including children) with reduced physical sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

Safety Instructions

- Read and observe all the instruction supplied with the appliance and on the appliance
- Make sure that your outlet voltage corresponds to those stated on the rating label of the pump(s).
- Make sure the appliance is securely installed before operating it.
- The electrical connection should be located in a water-proof area and should be at least 6 feet away from the edge of the pond. (see fig. 1)
- Keep the electrical connections dry! Ensure that the electrical cord loop below the electrical outlet to form a "Drip Loop". This will prevent water from running down the cord into the electrical outlet
- Always unplug the appliance when not in use, before putting on or taking off parts, before cleaning the pump and before doing any work for the fountain or pond.
- The pump must not be used when people are working in water. Please disconnect the pump first.
- Do not operate any appliance with a damaged cord or plug, or in abnormal state. The supply cord of the appliance cannot be replaced. **If the cord is damaged the appliance should be scrapped.**
- For safety reasons, any repair work should be done only by the manufacturer of the products or the authorized service facility or discard it
- Never hang or transport the pump by means of pulling the power cord!
- Close supervision is necessary when the appliance is used by or near children.
- If you want to disconnect the pump, you can pull out the plug and the plug must be placed where you can access it.
- Never use any accessories which are not recommended by the appliance manufacturer. It may result in fire, electric shock, personal injury and/or voided warranty.
- The pump is to be supplied through a residual current device (RCD) with a rated residual operating current not exceeding 30mA.
- Min Length of power cord is 30ft.
- To protect against the risk of electrical shock, do not immerse the plug in water or other liquid.

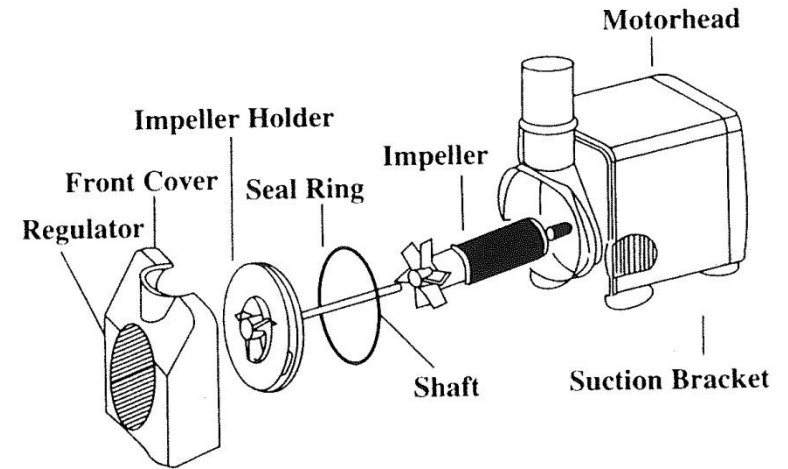
Performance

A clogged or dirty intake screen will greatly reduce performance. If the pump is used on a dirty surface, raise it slightly to reduce the amount of debris contacting the intake. If less flow is desired, adjust the flow control lever on the side of the pump or restrict the discharge flow.

Do not let the pump run when not submerged in water. Doing so may damage the pump. Always submerge the pump first, and then plug in the electrical outlet. At the beginning it may not pump water because of air in the pump and tube. Turning the pump off and on a few times (burping the pump) by unplugging and plugging back in, will force the air out.

Monthly maintenance will add to your pump's life. NOTE; Ensure that the electrical cord loops below the outlet to form a "Drip Loop." This will prevent water from running down the cord into the electrical outlet.

Drip Loop



Maintenance and Cleaning

1. Follow these safety instructions. Make sure that the pump is unplugged.
2. Press Front Cover and take it from Motorhead.
3. Rotate the Impeller Holder $\frac{1}{4}$ turn CCW. Unclip it from the Motorhead..
4. Remove the Seal Ring, Shaft and Impeller.
5. Clean all parts using water and a soft sponge. In hard water conditions a mixture of CLR and water bath is recommended.

Assembling the pump together

1. Place Impeller and Shaft assembly in the Motorhead with caution.
2. Make sure the Impeller is assembled correctly and will turn freely.
3. Put the Impeller Holder on and turn CW $\frac{1}{4}$ turn..
4. Place the Front Cover on.

Overload Protection

The pump has a built-in thermal overload trip which prevents the pump from overheating. The pump must be allowed to cool down before restarting. If the pump will not start again automatically when cooling down please check the following conditions;

- Is there sufficient water supply? → *add water if necessary*
- Has the filter become clogged? → *clean if necessary*
- Has dirt entered the Motorhead? → *follow the cleaning instructions above*
- Have hoses or jets become clogged? → *clean if necessary*
- Has the pump sufficiently cooled down after overheating?
- As soon as you have completed this checklist, you can start the pump again by plugging it back in.