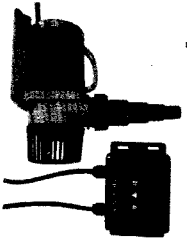


pondXpert



VarFlow 10,000 / 20,000 / 30,000 OWNERS MANUAL



Introduction

Congratulations on your purchase of one of the most advanced technological pumps on the market. With pondXpert VarFlow you have full control over the water flow from your pump.

The pumps are carefully inspected and tested to ensure both safety and operating performance. However, failure to follow the instructions and warnings in this manual may result in pump's damage and/or serious injury. Be sure to read and save this manual for future reference.

Performance Parameters Table

Model No:	Control Box (W)	Max Power (W)	Max Flow (L/H)	Max Head (M)	Min Flow (L/H)	Min Power (W)	Hose Tail Fittings
PXVF10000	100	85	9200	5.0	4400	15	20/25/32/38
PXVF20000	200	187	19800	7.0	9300	34	25/32/38/50
PXVF30000	400	385	30000	10.0	12000	45	25/32/38/50

All pumps voltage: AC220-240V 50/60Hz.
2m power cord to LCD controller unit then 8m power cord to pump.

Control and Panel Function

LED figures on LCD screen indicates the wattage output going to the pump.

There are three buttons located on the control panel with the following functions:

- ⏪ Pump 'On' or 'Stop'
- ⏩ Slow water flow (reduce power)
- ⏪ Increase Flow (increase power)

Operating instructions

After first attaching power to the unit a Power setting is revealed on LED display ('PXXX' in red digits).

"P" is short for "power" and this is how much power is going through to the pump in watts. When slow/fast button is pressed the "Flow" or "F" setting is revealed – there are 70 flow settings from 030 to 100. Press Slow or Increase to reveal setting, press again in quick succession to change setting by one level, leave finger on button for rapid increase/decrease.

Led Protection Mode

To protect the LED Screen after 30 seconds without touch the LED changes from micro bright to the screen saver mode; Press any button to return to normal.

Memory Function

Control Panel stores the last setting used. It will return to this setting when re-connected.

Fault Code Description

Using intelligent circuitry the control panel will sense any pump malfunction and will return an error code to the LCD display for viewing:

- E01:** Abnormal working current;
- E02:** Controller overheating;
- E03:** Pump idling;
- E04:** The impeller has stopped turning;
- E05:** Abnormal running voltage.

Auto-Off function

Should your pond or water reservoir become too shallow for the pump to operate correctly sensors built into the pump will detect this. After a period of two minutes unless this situation is rectified the pump will switch off automatically to prevent motor damage.

Methods of Use

Your pump must always be immersed in water before it is switched on. The pump can be submerged or run externally. In "dry" use water flow should be connected to the water intake hose. As the name implies an external pump sits outside of the pond in a dry location.



Fig. A) VarFlow Submerged Pump can be positioned underwater (fig. A) or dry-mounted (fig. B)



Fig. B) VarFlow Dry Mounted Pump

General safety Instructions

Read and observe all of the instructions clearly before installing, connecting and using the pump. Make sure the pump is securely and correctly installed before switching. Always disconnect the pump when not in use and when carrying out maintenance. Always disconnect all equipment in the pond before starting to handle/maintain/install any pond equipment.

The appliance is not intended for use by persons (including children) with reduced sensory or mental capabilities, or lack of experience and knowledge, unless they have 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. For safety reasons, servicing or repair of this item should only be carried out by people who are qualified to do so. Never hang or carry the pump by the power cord.

Do not operate the pump with a damaged cord or plug. The supply cord of the appliance cannot be replaced.

If the electrical cord is damaged the product should be scrapped.

Safety and Electrical Connections

This unit is designed for outdoor use only. Take care to ensure that you can easily lift the pump out of the water for routine maintenance. If this is necessary do not pick the pump up by the electrical cable but by the main body/cage of the pump.

Always disconnect all equipment in the pond before starting to handle/maintain/install any pond equipment.

The pump is electrically operated so great care must be taken during installation and operation. The following electrical and safety guidelines must be carefully followed. Each pump is supplied with an 8 metre length of 3 core electrical cable which is permanently connected to the pump.

Safe Operation Conditions

The pump maximum operating depth is 1.5 meters.

The pump can handle solid particles up to 6mm (8mm with the larger 20000 and 30000 Pump) can be used in salt or freshwater conditions.

The LCD Control Unit is weatherproof and there are four slots on the unit to provide opportunity for wall fastening. For longer life it is advised that the unit is sheltered and protected as much as possible from the weather to prevent UV damage or water ingress.

Pump – Electrical Safety

Each pump is supplied with a 8metre length of 3 core electrical cable which is attached to the Control Unit via a plug-in connector. A 2m length of permanently attached power runs from the connector to the mains supply.