

# dragonfly

water pumps



Before operating the appliance, please read the instruction manual completely and keep it handy for future reference.

## SAFETY INSTRUCTIONS

### READ AND FAMILIARIZE YOURSELF WITH THE SAFETY INSTRUCTIONS BEFORE USING the PUMP

- Compare the incoming voltage and frequency of your electrical circuit with the data on the model plate. This data must correspond.

- Before reaching in the water always unplug power cords of devices in the water.

- The cable cannot be changed or lengthened. The pump may not be operated if the cable or the housing are defective.

- Pay close attention when this pump are used near children's activity areas.

Keep way from moving part to avoid any harm.

- Please disconnect all accessories if the pump does not work.

- Do not carry or pull the pump by the connecting power cord.

- Do not change the pump impellor with any other brand/type of pump, as parts are not interchangeable.

- Lay the power cord in a protected conduit to prevent the possibility of cable damage

## Installation

Insert the suction cups or rubber feet at the base of the pump motor body, then install the pump submersed under water surface completely.

### Use

The flow rate can be adjusted at the flow control valve. Pump with switch on immediately after plug is plugged into power supply.

### Maintenance

The bearing, shaft and shaft sleeve will wear, and perish and/or break over time. As a result, it will sound noisy. You can then change the impellor part when necessary.

●How to change:

① Unplug the power, ② Open the impeller chamber, replace the old impellor with the new one. Taking care to replace all the parts and not break the (ceramic) shaft.

### Caution

To avoid possible electric shock, special care should be taken when handling this product.

In each of the following situations, do not attempt repair unit by yourself. Discard the appliance:

★ If the appliance shows any sign of abnormal water leakage, immediately unplug unit from the power source.

★ Do not operate any appliance if it has a damaged cable or plug, if it is malfunctioning or it has been dropped or damaged in any manner.

★ To avoid the possibility of the plug getting wet, please ensure that the power supply is sufficiently far away from the unit before plugging into power supply.

★ If the plug or receptacle does get wet, don't unplug the cord. First disconnect the fuse or circuit breaker that supplies power to the appliance. Then unplug and examine.

### Technical Specifications

| Model No | Voltage  | Frequency | Power | Max Head | Max Flow | Working Conditions |
|----------|----------|-----------|-------|----------|----------|--------------------|
| DF-330   | 220~240V | 50Hz      | 5w    | 0.8m     | 400LPH   | Fresh Water        |
| DF-440   |          |           | 8w    | 1m       | 600LPH   |                    |
| DF-880   |          |           | 16w   | 1.3m     | 800LPH   |                    |
| DF-1050  |          |           | 22w   | 1.6m     | 1000LPH  |                    |
| DF-1770  |          |           | 40w   | 2.5m     | 1800LPH  | Fresh&Salt Water   |
| DF-2050  |          |           | 55w   | 2.5m     | 2000LPH  |                    |
| DF-3050  |          |           | 85w   | 3.5m     | 3000LPH  |                    |
| DF-5050  |          |           | 70w   | 5.6m     | 8000LPH  |                    |

The DF2050, 3050 and 5050 can be used in and out of water. i.e. They are amphibious.

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