

# FOUNTAIN PUMP

HJ-743

HJ-943

HJ-1143

HJ-1543

HJ-1843



INSTALLATION AND OPERATING INSTRUCTIONS. READ INSTRUCTIONS CAREFULLY AND FULLY BEFORE INSTALLATION.

IMPORTANT

- 1 .WARNING: Always unplug or disconnect all appliances in the pond from the electricity supply before putting your hands in the water while equipment is being installed, repaired, maintained or handled.
- 2 .Do not use the supply cable to lift the pump as this may cause damage.
3. Do not operate or leave the pump in freezing conditions.
4. Do not allow the pump to run dry, The pump must be fully submerged.
- 5 .A 10 ma or 20 ma Residual Current device MUST be fitted to the mains supply.

WARNING: SAFETY AND ELECTRICAL CONNECTIONS

- 1 .The pump is supplied with 5m of 3 core electrical cable which is permanently connected and sealed to the motor.
- 2 .The supply cable cannot be replaced. If the cable is damaged the pump should be discarded.
- 3.Your installation must conform to the regulations of the local electrical authority which could include the use of plastic or metal conduit to protect the cable.

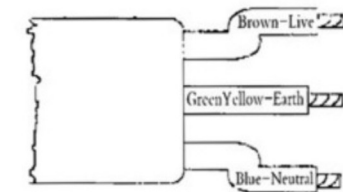
4.A 10ma or 20 ma Residual Current device MUST be fitted to the mains supply.

5.This appliance MUST be earthed and it is essential that the connections are made using the following code:

Brown-Live

Blue-Neutral

Green/Yellow-Earth



6.If an extension cable is required this should be connected to the end of the pump cable using a waterproof cable. The joint must be positioned in a suitable weatherproof housing.

7.Do not connect to any voltage other than that stated on the pump.

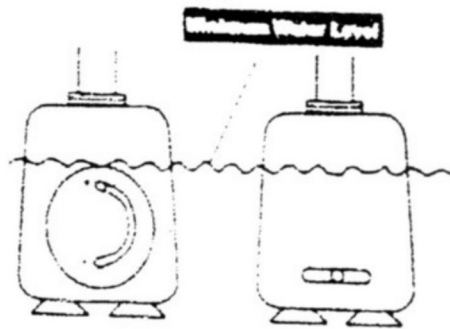
8.CONSULT A QUALIFIED ELECTRICIAN OR LOCAL AUTHORITY IF ANY DOUBT ABOUT WIRING TO THE MAINS SUPPLY.

## SAFETY INSTRUCTIONS

- ▼ Always UNPLUG the pump from the electrical outlet before cleaning and handing.
- ▼ Use with the Water ONLY. Do not place in other liquid.  
Connect only to a properly grounded outlet to reduce the risk of electrical shock.
- ▼ Do NOT connect to any voltage other than that shown on the pump.
- ▼ Do not use water above 90For 30°C.

Ensure that the electrical chord loops below the electrical outlet to from a 'drip loop'. This will prevent water from running down the electrical chord.

Flow control valve  
(+)faster water  
output  
)-(slower water  
output



- ▼ REGULAR MAINTENANCE WILL INCREASE THE PUMP'S LIFE

To clean the pump. Unplug from electrical outlet, use a small soft brush and place under running water to remove debris.

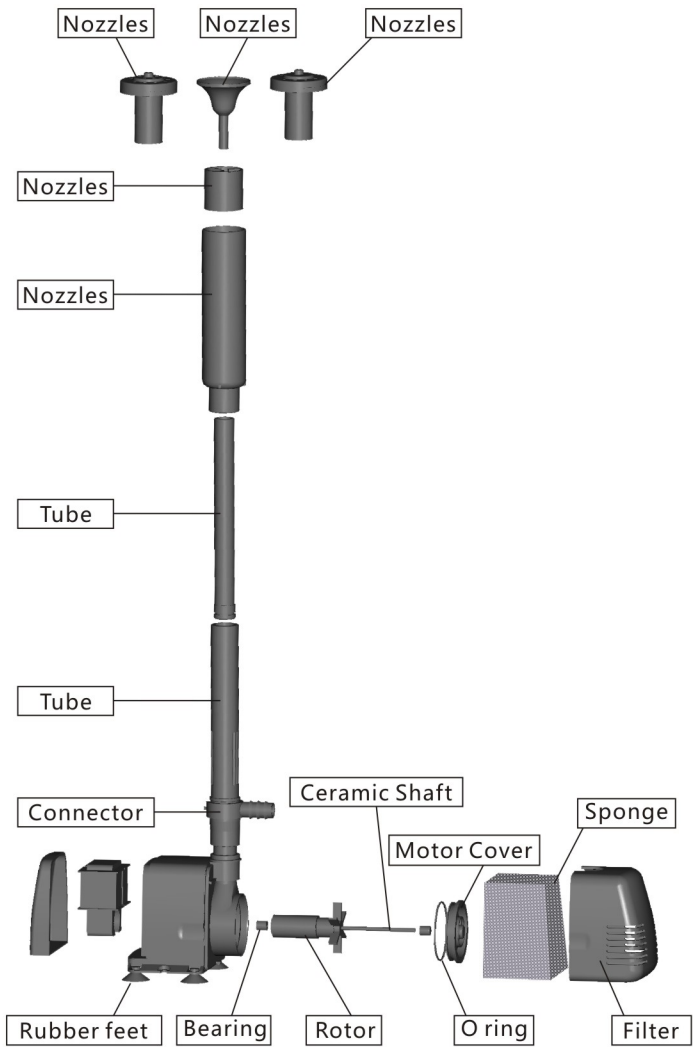
## USER'S MANUAL

## TROUBLE SHOOTING

- ▼ If the pump fails to operate, check the following:  
Check the circuit breaker, or try a different outlet to make sure the pump is getting electrical power. NOTE: Always disconnect from electrical outlet before handing the pump.
- ▼ Check the pump discharge and tubing for kinks and obstructions.  
Algae buildup can be flushed out with a garden hose remove the pump front cover&plate to access the impeller area. Turn the rotor to ensure it is not broken or jammed.
- ▼ If the pump gurgles, spews, or "burps":  
Check the water level to make sure the pump has enough water to function. Obtaining a desired water level check the water level daily. In the first week to measure the water loss due to Evaporation, refill the water when needed.
- ▼ If abnormal noise is heard during operation (with water):  
Remove pump front cover&plate. Use hand to grip the impeller, gently pull the impeller/rotor assembly out of the pump housing. Rinse the impeller/rotor assembly and the cavity with clean water to remove any debris. If breakage or surface damage is found on the assembly contact your distributor for part replacement.

FLOW PERFORMANCE

| Model   | Voltage       | Power | H-max | Output  | Weight  |
|---------|---------------|-------|-------|---------|---------|
| HJ-743  | 220-240V/50Hz | 8 W   | 1.0 m | 600L/h  | 0.38 kg |
| HJ-943  | 220-240V/50Hz | 16 W  | 1.3 m | 800L/h  | 0.65 kg |
| HJ-1143 | 220-240V/50Hz | 22 W  | 1.6 m | 1000L/h | 0.85 kg |



FLOW PERFORMANCE

| Model   | Voltage       | Power | H-max | Output  | Weight |
|---------|---------------|-------|-------|---------|--------|
| HJ-1543 | 220-240V/50Hz | 28W   | 2.0m  | 1400L/h | 1.2kg  |
| HJ-1843 | 220-240V/50Hz | 40W   | 2.5m  | 1800L/h | 1.4kg  |

