

3. Circuit wiring should be carried out by qualified electricians. Ensure that the motor supporting rack must be grounded. The wire for ground mat should be copper conductor with a section area not less than 2.5mm^2 .
4. The product is designed for stationary services.

V. Warranty and service

1. The Company promises that it will offer one-year warranty for pump (excluding normal abrasions).
2. In case any fault or damage occurs in the product caused by our product quality during the warranty period, the Company will be responsible for relevant repair or replacement after we have tested and validated the fault or damage.
3. If any fault or damage occurs in the product under one of the following conditions, the Company is willing to offer service, and break-even cost should be charged.
 - a. The product was improperly operated or mounted, or accident has happened to the product;
 - b. The product has been disassembled and repaired;
 - c. The model, serial number or data plate has been removed or destroyed.
 - d. The product's warranty period is overdue.

Filtration Cycling Pump

Instruction Manual

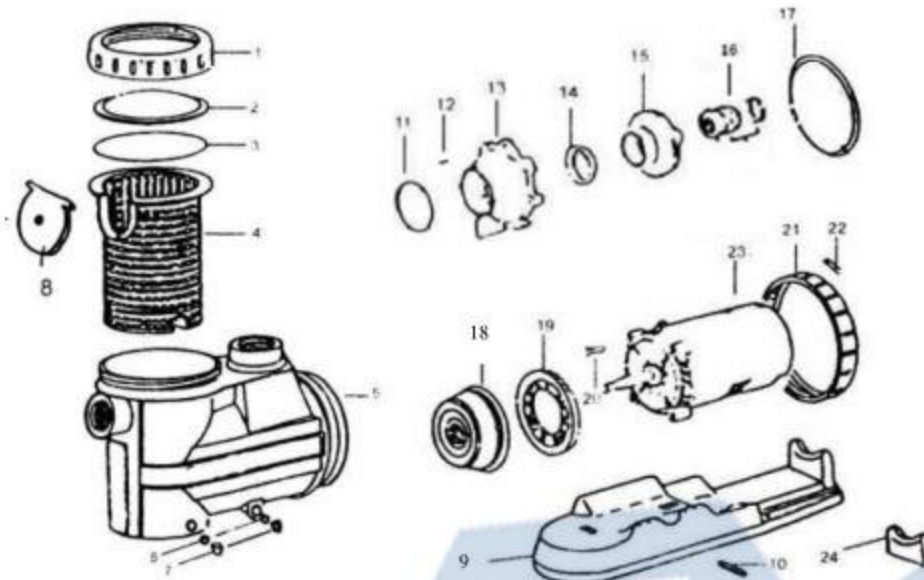
KP Series

I. Installation and operating instruction

1. Water pump should be levelled and securely mounted outside pond and below normal water level.
2. The water inlet/outlet pipes connected to the water pump should be strictly airtight.
3. Connect the power cable according to the wiring diagram on the motor nameplate. A stationary power supply should be offered for each water pump, and the power supply must satisfy the voltage and frequency specified on the nameplate. The power supply must be equipped with leakage protection switch.
4. The motor must be properly grounded for fear of electrical shock.
5. Power on the 3-phase pump motor instantaneously for 0.5~1 second and validate that the motor rotation direction is consonance with the sign. And then fill the reservoir with water and start the motor
6. Before starting the water pump, screw off the reservoir cover and fill the reservoir with water. Screw down the reservoir cover, and start the motor.
7. To avoid breakage caused by freezing, water within pump body should be completely discharged before it is not in use in winter. Reservoir strainer should be periodically cleaned up so as to avoid clogging
8. After long-term service, leakage caused by abrasion may occur in the mechanical packing. Just repair or replace it.

II. Structure of the product

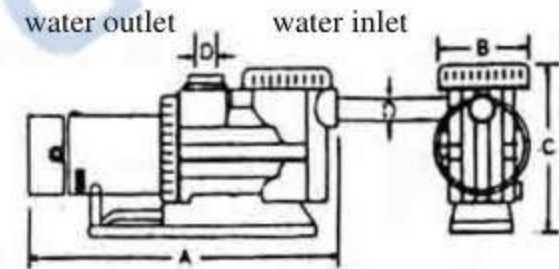
For disassembly, maintenance or ordering spare part, please refer to the serial numbers and designations as shown in the following figure.



- | | | |
|--------------------------|--------------------------|----------------------|
| 1. Reservoir locking nut | 10. Pin | 17. O ring |
| 2. Transparent cover | 11. O ring | 18. Rear cover |
| 3. O ring | 12. Screw | 19. Flange |
| 4. Strainer | 13. Front cover | 20. Bolt |
| 5. Reservoir body | 14. Impeller rubber ring | 21. Big locking nut |
| 6. Plastic plug | 15. Water pump impeller | 22. Lock fastener |
| 7. Plastic plug | 16. Mechanical packing | 23. Motor |
| 8. Non-return pad | | 24. Supporting block |

III. Dimensions and parameters

Models	Power	Length A (mm)	Width B (mm)	Height C (mm)	Water inlet/outlet diameter	Number of phases
KP1005	1.0H.P	635	192	294	2"	single
KP1501	1.5H.P	645	192	294	2"	single
KP2003	2H.P	645	192	294	2"	single
KP3004	3.0H.P	645	192	294	2"	single
KPT2006	2.0H.P	645	192	294	2"	three
KPT3002	3.0H.P	660	192	294	2"	three



IV. Precautions

1. Do not start the motor in case of no water in the pump.
2. Use suitable power supply according to the content in the motor nameplate, and properly connect phase line, neutral line and ground wire. Use safe and acceptable leakage protection switch. Periodically check if leakage protection switch is normal before operation