

Safety Instructions for all Maximus Models

INTRODUCTION

All pumps are intended for submersible use. To ensure optimum performance and safety from your pump please comply with the following instructions.

ELECTRICAL CONNECTION

- All pumps are designed for permanent installation to the mains supply via a switched fused connection (3 amp rating).
- A 30 mA (or less) Residual Current Device (RCD i.e. Standard Circuit Breaker) **MUST BE** fitted to the mains supply.
- This appliance **MUST BE** earthed.
- Always unplug or disconnect the pump from the electricity supply before putting your hands (or any part of your body) in the water or whilst the pump is being installed, repaired, maintained or handled.

The wires in the mains lead are coloured in accordance with the following code:
BROWN – LIVE BLUE – NEUTRAL GREEN/YELLOW – EARTH

INSTALLATION

WARNING: Always unplug or disconnect the pump from the electricity supply before putting your hands in the water or whilst the pump is being installed, repaired, maintained or handled.

- All pumps are intended for submersible use and **MUST BE** under water at all times for proper operation and cooling.
- Never run a pump dry.
- The pump should be installed on a firm base in the pond so that the fountain jet is just above the surface of the water.

WINTER MONTHS

During the winter months, when most decorative fountains are not required, the pump should either be removed from the pond **and thoroughly dried** or operated for a few minutes every week to ensure that the rotating parts remain free. During frosty periods, operation of the pump with the fountain jet removed will assist in preventing the pond from icing over.

LOW FLOW TO WATERFALL AND/OR FILTER

- Check sponge and/or filter are clean.
- Check hose is not blocked or kinked.
- Check impeller housing is clean.

LOW FOUNTAIN JET

- Check Fountain Jet is clean.
- Check sponge and/or filter housing are clean.
- Check Waterfall connection is **BLOCKED**.

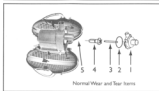
PUMP DOES NOT APPEAR TO BE WORKING AT ALL

- Check that power supply is properly connected and working.
- Check fuse.
- Disconnect electrical supply. Remove pump and follow maintenance instructions.



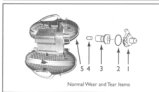
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Maintenance Maximus 600, 800, 1250 • SEALED FOR LIFE/3yr. WARRANTY



- 1) Turn off electricity supply.
- 2) Remove outer shell (5) and clean in water.
- 3) Remove Sponge (if fitted) and clean in clear water.
- 4) Remove Impeller Housing (1) by rotating anti-clockwise. Inspect and clean as necessary.
- 5) Remove O Ring (2).
- 6) Withdraw Ceramic Shaft (3) and clean. Caution: Shaft is hard but brittle. Note the position of the 'D' section.
- 7) Withdraw Magnet/Impeller Assembly (4). Check that the impeller turns freely through 270°. Check there is no limescale built up on the magnet. Check for hairline cracks on magnet – if cracked, replace it.
- 8) Re-assembly is a straightforward reversal of the above procedure. Ensure that the 'D' section of the Ceramic Shaft sits properly in the base of the sealed-for-life electric motor.

Maintenance Maximus 1500, 2000, 3000 • SEALED FOR LIFE/3yr. WARRANTY



- 1) Turn off electricity supply.
- 2) Remove outer shell (5) and clean in water.
- 3) Remove Sponge (if fitted) and clean in clear water.
- 4) Remove Impeller Housing (1) by rotating anti-clockwise. Clean if necessary.
- 5) Remove O-Ring (2). Clear any debris in and around the impeller.
- 6) Check to ensure impeller runs freely; if not, go to point 7. If OK, go to point 10.
- 7) If impeller does not run freely or bearings are worn, withdraw the rotor assembly (3) from the potted electric motor.
- 8) If rotor is corroded or scaled, then clean up with a wire brush and re-insert into the potted motor.
- 9) If new rotor assembly has been obtained, then simply slip assembly into the potted motor. Ensure that bearing bush (4) sits in place by using the shaft and rotor as a guide to drilling it home.
- 10) Re-assembly is a straightforward reversal of points 5 back through to 1.

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