Delta Series Pool & Spa Pumps

Installation & Operating Instructions

PUMP INSTALLATION

Thread the union tail with o-ring onto suction and discharge ports of pump. Depending upon pump size, a choice of union sizes is supplied, either 40mm or 50mm. Leave at least 100mm clearance at rear of motor to provide adequate motor ventilation. Pump and motor should be installed in a ventilated enclosure to provide protection from rain, lawn sprinklers, splashing pool water etc. Do not store (or spill) pool chemicals in the enclosure which houses the pump and motor. Do not connect power cord to an extension lead.

PRIMING THE PUMP

To prime the pump, remove the lid from the pump by turning black locking ring 1/8th of a turn anti-clockwise and lift up. Fill pot with water at least up to the level of the suction line. Replace the lid by aligning the “START” arrow on the locking ring with the arrow on the front of the pump, making sure the lubricated o-ring is in place, and push down and turn 1/8th of a turn clockwise.

Open any valves, turn on the power and the pump will now start to prime. The priming time will depend upon the suction lift and the horizontal distance of the suction piping.

ELECTRIC MOTOR

The electric motor should be protected from foreign matter. Never allow grass, shrubs or weeds to grow around the motor. Whenever a motor has become wet, let it dry before running it. If a motor has been shorted out by water, it voids the motor warranty. The motor is manufactured by Fasco Australia Pty. Ltd. Their warranty is that the motor shall be free from any defects for a period of two years from date of manufacture. If the supply cord on the motor is damaged, it should be replaced with a new one. Cord part number : 445 096 02. The replacement of this cord should be done by a competent or licensed tradesman. The electric motor is fitted with a thermal overload switch. If motor overheats it will cut out and automatically re-start when the motor cools.

THE MECHANICAL SEAL

The mechanical shaft seal consists of two parts, a rotating ceramic seat and a stationary seal with a polished carbon face. It is the contact of these two materials which creates a seal between the pump “wet end” and the electric motor. Running the pump with out water creates heat and this in turn will damage the mechanical seal and other internal components. Pumps can run dry of water due to: low water level in pool, blocked skimmer or pump baskets, jammed skimmer weir flap, dirty filter or closed suction or discharge valves.

DAMAGE CAUSED BY THE PUMP RUNNING WITHOUT WATER IS NOT COVERED UNDER WARRANTY.

IF PUMP LEAKS

If pump leaks through the suction or discharge unions, turn pump off, close the necessary valves and then tighten the union locking rings. The union o-ring may need lubricating or replacement over time.

If pump constantly leaks around the lid when system is off, remove lid and lubricate o-ring. If leak persists, contact the installer or Aqua-Quip. Please note: Under certain conditions it is quite normal for a small drip of water to exit around the pump lid as the pump is turned off.

If pump leaks underneath through the drain hole where the motor joins the pump, then the mechanical seal has failed. Immediately attend to this problem as a prolonged leak can cause motor damage.

PUMP WARRANTY

The pump "wet end" carries a two year warranty from date of installation. This warranty does not include the mechanical seal unless otherwise arranged between the installer and the manufacturer. For more information on warranty, refer to the Aqua-Quip warranty card.

CLEANING PUMP BASKET

Turn motor off and close any suction or discharge valves. Remove the pump as described in *"Priming the Pump"*.
Remove the plastic basket and empty the debris, be sure to clean out any smaller objects such as pebbles and gum nuts which may have gathered at the bottom of the pot under the basket. Replace the basket in the same way it was removed. Warranty will be voided if basket is not emptied regularly or if it is replaced incorrectly. Fill the pot with water and replace the lid, ensuring o-ring is properly located in the groove at the top of the pump pot.

DO NOT PLACE O-RING ON LID, IT WILL NOT SEAL AND WILL CAUSE PUMP TO FAIL. IT MUST BE PLACED IN THE GROOVE ON TOP OF THE PUMP POT.

Once basket and lid have been installed and any valves re-opened, then the motor can be turned on. Pump lid o-ring should be lubricated every 3 months using a silicone-based lubricant.