

D3000



Preventative Service Guide



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Safety

Always wear the required Personal Protective Equipment (including gloves and goggles that must be worn when potentially exposed to any hazardous materials and when carrying out hazardous work tasks). Turn the dispenser off during cleaning and note that parts may be contaminated with product. If possible, flush tubing out with water prior to carrying out any maintenance. For information on products that are used in this dispenser, please carefully read the product label and Material Safety Data Sheet (MSDS).

Electrical installation of this dispenser should only be performed by trained personnel in accordance with local electrical wiring regulations. Before working on this dispenser, isolate it from any electrical source and lock out/tag out.

Routine Service

The unit should be examined for leaks or split tubing at every opportunity. The pump head should also be checked to ensure that it is correctly fastened to the motor gearbox and neither fixing pin is loose.

The Uniview door should always be left in a closed state.

The external enclosure should be wiped with a damp cloth on a regular basis to ensure a satisfactory appearance.

Peristaltic Tube

The life of the peristaltic tube is a function of the pressure into which the pump pumps, the distance which the tube has to intake product, and the general mechanical wear of the tube. The conditions on a particular installation tend to remain consistent which enables a pattern of tube life to be determined for that particular site.

If the D3000 is being used in conductivity mode, any reduction in flow rate will be compensated with a longer feed time. When used in timed or speed control mode, there is no automatic compensation and so therefore appropriate checks are necessary to ensure consistency. This will help to indicate when the tube requires to be replaced.

The Rack Count data can be used to help give an indication of tube usage. Look at menus 17,18 and 19 with menu 19 being the last two digits. If the racks washed is high then the tube will need to be replaced more frequently.

If a tube would generally last for approximately 9 months, it is recommended it is changed every 6 months.



NOTE: *It is very important not to let the tubes become worn to the point where they split and allow chemicals to leak into the pump housing.*

Replace the pump cartridge on site (see Reference Guide) and replace the tube in the cartridge off site.

Pick up and delivery tubes/fittings

All of the tubes and fittings should be examined on a regular basis to ensure that there are no leaks from the fitting. The pick up and delivery tubes should also be inspected regularly for signs of wear or abuse.

Detergent bulkhead fitting

This fitting in the tank should be checked for cracks or general deterioration due to product and temperature cycling. The fitting must be changed immediately if the fitting is cracked or brittle.

Product Concentration

Conductivity Mode: Perform a regular titration to determine wash water product concentration. This will indicate if the probe is contaminated and requires cleaning. A further indication of the status of the probe can be obtained by looking at mode 1 menu 3 ie tank concentration in BU and comparing it with Mode 1 menu 22. This last reading shows the tank concentration without the scale compensating software of C3M.

The difference between the two readings indicates probe scale contamination. The greater the difference, the more scale there is on the probe.

Experience of a particular site and different water conditions will ensure the probe is cleaned when required and left when OK.

If the concentration is higher than expected, drain the tank and clean the probe (See Reference Guide).

To obtain an overview of the dishwasher's use, the Drain Count data can be read to see if the dishwasher is drained on a regular basis. If it is not drained on a regular basis, product concentration and cleaning results will be affected.

Timed or Speed mode: The wash water product concentration is more difficult to determine if it is correct, but, a titration will indicate if the setting is significantly incorrect.