



Roots Vet Dental Supplies Ltd

Sparkenhoe House, Southfield road, Hinckley,

Leicestershire LE10 1UB

Tel: 0844 8700109 Fax: 0844 8700108

VAT Reg No 899 6562 38



ULTIMA 500 MOBILE DENTAL UNITS MAINTENANCE GUIDE & SAFE OPERATING INSTRUCTIONS

START OF SESSION

- 1 Switch on compressor - Air will begin to escape, from the valve left open from end of previous session, gently close the moisture drain on the bottom of the compressor reservoir (only very slight finger pressure is required to close the valve - sufficient to stop the air escaping).
- 2 Fill water bottles $\frac{3}{4}$ full using clean jug or funnel (contamination with hairs must be avoided - use de ionized or purified water - not tap water otherwise lime scale could adversely affect the operation of the machine). When re-attaching a bottle screw onto mount and loosely tighten, then gently tighten bottle sufficient only to stop any air escaping as pressure builds - this will prevent over tightening and possible consequent damage to washers and threads.
- 3 Ensure the water switch is in the On position, open all the water control valves then lift all the tubings and place them over a container depress the foot pedal for 20 seconds allowing water to flow from all the tubings. When the water ceases replace the tubings in their respective holders. Pick-up the syringe and introduce a nozzle now hold over a container depress and hold water button for 20 seconds when water ceases replace in holder. **(NB This is an important procedure to clear the stagnant water that may have remained in the system for days in warm conditions).**
- 4 From left to right attach the Turbine handpiece (**this should always be used with coolant water spray**), then the Airmotor to the next outlet (this is normally has no spray) then, if applicable, attach the air scaler and finally check and adjust the water spray to the appropriate handpieces. **(NB It is important that the various motors, Turbines and Scalers are placed on the same tubing each time as they usually operate at different air pressures that have already been preset).**

END OF SESSION

- 1 Remove, empty and replace at least one water bottle switching the flow to that bottle on the front panel (1/2) thus filling the water lines with compressed air.
- 2 Remove all the handpieces and flush the airlines (as at Start) until water flow ceases (this reduces the stagnant water that may remain in the machine).
- 3 Switch off compressor, open drain valve on the compressor reservoir, (turning anti-clockwise) to release unused compressed air – leave drain open. Check drain bottle and empty if necessary when all the air has escaped – never allow it to become more than half full.
- 4 It is important that all burs and scaler tips are removed and wipe clean all instruments with alcohol. All the handpieces can be normally be autoclaved (refer to manufacturers instructions for care maintenance and autoclaving procedures for each handpiece). It is recommended handpieces and motor are lubricated and placed in a beaker with the head pointing downwards thus allowing the oil to percolate to the heads ready for next use.

FOR MAINTENANCE, ADVICE, REPAIRS OR SUPPLIES

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