



## ECLIPSE MOBILE DENTAL UNIT MAINTENANCE GUIDE & SAFE OPERATING INSTRUCTIONS

### START OF SESSION

- 1 Fill water bottles to below fill line 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 mounts and loosely tighten, switch selector to that bottle and gently tighten bottle only sufficient to stop any air escaping this prevents over tightening and possible consequent damage to washers and threads.
- 2 Switch on compressor - green switch will be illuminated. Air will begin to escape, from the valves left open from end of previous session, gently close the moisture trap drain on the bottom of the glass cylinder on the underside of the top of the Unit and the compressor drain on the underside of the compressor reservoir (only very slight finger pressure is required to close the valves sufficient to stop the air escaping).
- 3 Ensure the water switch on foot pedal is pointing towards the blue dot and open all the water control valves then lift all the tubing's and place them over a container depress the foot pedal for 20 seconds allowing water to flow from all the tubing's. When the water ceases replace the tubing's 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 Attach the Airmotor to the normal outlet (usually adjacent to the syringe) and turn the water valve to this off, the next tubing normally holds the Turbine handpiece (**this should always be used with coolant water spray**), if applicable attach the 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 may operate at different air pressures that would have been set at time of installation).**

### END OF SESSION

- 1 Remove, empty and replace each water bottle ensuring the bottle switch is pointing towards the bottle not being removed at the time.
- 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 (under compressor), (turning clockwise) to release unused compressed air, and after 20 seconds open moisture trap drain valve (turning counterclockwise) – leave both drains open.
- 4 It is important that all burs and tips are removed then wipe clean all instruments with alcohol. All the handpieces can be autoclaved (refer to individual instructions for care maintenance and autoclaving procedures for each handpiece). It is recommended that after lubrication handpieces and motors be placed in a beaker with the head pointing downwards thus allowing the oil to percolate to the heads.

**FOR MAINTENANCE, ADVICE OR DENTAL SUPPLIES TELEPHONE 01455 698449**