



## MOBILE DENTAL UNITS AND SCALERS

### SAFETY INSTRUCTIONS

#### OPERATORS SAFETY

- Always wear plastic safety spectacles or spectacles with plastic lenses when using high speed turbine, polishing or scaling as flying debris can cause serious eye injuries.
- A face mask is recommended to limit the exposure to bacteria and airborne particulates.
- Trailing electric wires and cables are a potential hazard – keep them tidy.
- Always flush water through Dental Units and Scalers before creating atomized spray.

#### SAFE OPERATING PROCEDURES

- Dental instruments are normally held with a modified pen grip using the 3rd/4th fingers to stabilize the hand.
- The turbine handpiece burs rotate at 300,000 rpm and the use of coolant spray is essential to protect the tissues and to prevent the burs over-heating and segmenting.
- The turbine should be used with brush like strokes with minimal pressure as excessive pressure creates more heat, damages the turbine and blunts burs more quickly. A blunt bur will also generate more heat therefore timely replacement of burs is essential.
- The motor has a speed limiter/ forward and reverse adjustment ring. When polishing set to a slowest speed where the polishing cup/brush does not stall – try it on your thumbnail where you will also experience how quickly heat can be generated at even slow speeds. Forward and reverse selection is dependent on the direction the handpiece is being moved – always move the handpiece against the rotation of the instrument/brush/cup as this prevents skidding off the tooth surface. Never use a polisher on a tooth for more than 5 seconds. A good practice is to polish three teeth simultaneously moving from posterior to anterior and back to posterior for distal to mesial aspects and vice versa with opposite rotation for mesial to distal.
- When scaling the universal sickle is the most commonly used tip and others are variations on the theme providing better access to some aspects because of their curved nature and also available are sub-gingival perio tips. Never place the point of the scaling tip on the tooth always apply tangentially. Always use scaler with coolant spray and the good practice point above for use of the polisher can also be applied to scaling but instead of changing rotation the instrument is turned over.

#### PLEASE NOTE

- 1 On completion of a procedure immediately remove all sharp burs and scaler tips from Handpieces, Safe-working practice prevents injuries.
- 2 The Compressor system sometimes supplied with Dental Units are outside of the scope of the Pressure Vessel Regulations, and therefore do not require certification every 25 months, but your Insurance Company should be advised that a Compressed Air system is used on the premises. It is also advisable to have a Service every 12 months so that the efficiency of the Dental Unit & safety systems can be check and filters/oil replaced also maintenance procedures can be audited & reinforced as necessary.

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