



DENTAL TURBINE HANDPIECE OPERATION MANUAL

STB-2, ST-2 & AMB-2-M4, AM-2-M4, AM-2-B2



Please read this manual before use and file for future reference



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1. GENERAL DISCRIPTION

- ① Can be used for various dental clinical treatment and prevention.
- ② Can be connected to various E type handpiece.
- ③ High-temperature sterilization or chemical disinfection.
- ④ It is composed of motor, straight and contra angle.
- ⑤ Classification: Class II equipment, Type B applied part.

* The recycle of this product shall be according to the demand of relative laws.

CAUTIONS:

- Prior to each use, all instruments and accessories must be inspected for proper operation.
- When using the handpiece, protect the patient at all time.
- Before each use, be sure that bur is completely seated and locked in the instrument.
- Only use burs from reputable manufacturers with a shaft diameter of 2.348mm~2.350mm.
- Do not extend burs outward from handpiece head. Burs must be inserted all the way into chuck for proper bur retention. Extended burs could result in bent burs, inadequate cooling or personal injury due to bur ejection.
- End of product life, the metal can be handled by separation and recycling disposal.
- Products storage and transpotation should be carried out in environment with the following features: dry, stable (no collision), clean, normal temperature, normal pressure, away from acid gases and other harmful chemical substances, and humidity should be less than 90%.
- Maintenance should be made by professionals.

2. TECHNICAL PARAMETER

DESCRIPTION	E type handpiece 1:1 Ratio, with internal cooling system
AIR PRESSURE	245~392Kpa (2.5~4.0 kgf/cm ²)
WATER PRESSURE	198Kpa (2 kg)
ROTATION SPEED	22,000~27,000 rpm
NOISE	≤70dB

* Speed may vary slightly depending on the back-end configuration, the direction of rotaion, and type of hose used.

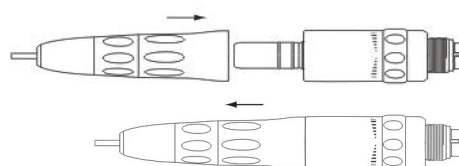
3. ASSEMBLE AND DISASSEMBLE

(1) Assemble

Insert the E-type handpiece in the motor.

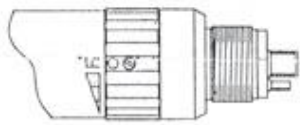
(2) Disassemble

Simply pull out the handpiece from the motor.

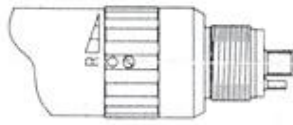


4. FORWARD/REVERSE ROTATION

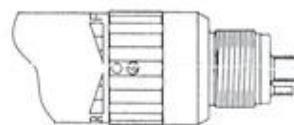
- (1) Forward Rotation: Turn the FWD/REV Change Ring to “F” as shown in Fig. 4.
- (2) Reverse Rotation: Turn the FWD/REV Change Ring to “R” as shown in Fig. 5.
- (3) When the FWD/REV Change Ring is positioned in the middle of “F” and “R”, the drive air is interrupted and the motor does not rotate. (Fig.6)
- (4) Highest rotation speed occurs when the FWD/REV Change Ring is positioned in the top of “F” or “R”



图—4



图—5



图—6

5. LUBRICATION

- (1) For Motor

Spray air turbine oil into the air-in hole of motor for 1 - 2 seconds. Lubrication after each use and/or before autoclaving.

- (2) For Straight

Spray air turbine oil into the connecting hole of straight for 1 - 2 seconds. Lubrication after each use and/or before autoclaving.

6. STERILIZATION

All handpieces are suitable for both steam or chemical autoclave.

Autoclaving Procedure:

- ① Wipe off dirt with alcohol-soaked cloth.
- ② Lubricate handpieces following the above lubrication ways(ref 5. **Lubrication**)
- ③ Place into autoclaving pouch and seal it in accordance with instructions on the pouch.
- ④ Autoclave the handpiece for 15 min. at 135℃.

7. Storage and shipping conditions

Temperature: -40℃ - 70℃ , humidity: 10% - 100% RH, pressure altitude: 50KPa - 106KPa

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