

esamate

Distributed by: Preventive Technologies, Inc. (800) 474-8681
4330 Matthews-Indian Trail Road, Indian Trail, NC 28079

Operation and Maintenance Instructions

These handpiece instructions may be different from other air drive motors you have used, especially the NO LUBRICATION feature. Please read and follow these simple instructions so that you may enjoy years of dependable service.

esamate – MW-type Motor



Technical Facts

T Y ~~A~~ Type Motor

Maximum rpm: 0-5,000 min⁻¹

Attachment: accepts the esa MW disposable prophy angles

Air Requirements: Clean filtered moisture free air with recommended pressure of 30- 45 psi. **Do not exceed 60 psi.**

Operation Instructions

esamate handpiece is designed to attach to standard dental tubing with (Midwest) 4-hole connectors, with or without coolant or chip air holes. Be sure the silicone (sterilizable) gasket on the connector of the motor is in place. Attach and finger-tighten the turbine connector securely. **DO NOT USE A WRENCH.**

Air Supply Requirements

Clean, filtered air is essential for long, trouble-free life. An air filter NO LARGER THAN 50 MICRONS is recommended to be installed in the supply line. Recommended air pressure for optimum performance is 35 psi (2.5 kg/cm²), measured at handpiece tubing end.

Operation

Engage motor by applying pressure to the foot control. Note: Motor speed may be varied during a procedure by the foot control. However, reducing the speed will also reduce the torque output of the motor.

Connect and disconnect esa disposable prophy from T-type motor:

Connect: To connect esa disposable angles to the esamate handpiece, slide the disposable angle into the motor until it snaps into place. The attachment will stay in place until manually removed.



Disconnect: The motor must not be moving before disconnecting the attachment. Press on the black retaining ring of the esamate hanpiece to remove the esa prophy angle.

Cleaning and Care



Your esamate slow speed motor is a high quality precision instrument. Incorrect maintenance and care can shorten the life of this product. We recommend for motor cleaning and maintenance original Johnson-Promident DCL-90.

External Cleaning

Remove angle or attachment from motor and disconnect from hose and clean the external surface thoroughly with a sponge or gauze using warm tap water. DO NOT IMMERSE INSTRUMENT. Wipe dry with a clean cloth.

Clean Internal Surface

Although the motor does not require lubrication, under normal operating conditions, particulate from the air supply and environment will build up in the motor. Using a motor cleaner or combination cleaner/lubricant like Johnson-Promident DCL-90 spray into the drive air tube. Run motor on air source for 30 seconds so that all excess fluid is expelled. This ensures all internal parts of motor are completely cleaned.



Weekly: We recommend this procedure routinely for maximum operating efficiency and longevity. If the motor becomes sluggish, this procedure should be used.

Sterilization



Place motor into autoclave bag or pouch. Cycle per autoclave/chemiclave manufacturers' instructions. DO NOT EXCEED 275° F (29 psi)/ 135°C (2 bar).

CAUTION



DON'T immerse instrument in water or use ultrasonic cleaner.
DON'T use any type of disinfectant, chemical or soap on instrument. Use of chlorine products, aldehydes, etc. will damage handpiece and void all warranties.
DON'T operate motor while inserting or removing attachments
DON'T exceed 275° F (29 psi)/ 135°C (2 bar) in autoclave.
DON'T dry heat or heat transfer sterilize.

Problem Solution

Motor sluggish – Check air pressure. Ensure low speed or low power gasket is in place. Clean per cleaning instructions. Repeat up to 3 times if necessary.

Motor will not turn on – Check air pressure. Ensure air leak at connector gasket is in place. Tighten tubing connector. Check for faulty or missing gasket.

Product Warranty

The *esamate handpiece* is warranted to be free from defects in materials and workmanship for a period of two (2) years from date of purchase. This warranty applies only if the product has been used exclusively with the *esa MW* disposable prophylaxis angle and maintained per these instructions.

The warranty will not apply if the product is used with a straight attachment or has been subject to misuse or abuse. Sole liability under this warranty is limited to the repair or replacement, at our option, of the defective product. No other warranties are expressed or implied. Any defective product must be returned to the address below with proof of purchase.

esamate handpiece Repairs
c/o Preventech
4330 Matthews-Indian Trail Road
Indian Trail, NC 28079

