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#### Microlite – Hygienist Handpiece

Operation and maintenance instructions: The PROPHY-Lite is designed for use with disposable or autoclavable prophylaxis angles with standard doriot style attachment.

Caution do not use non-sealed re-usable prophylaxis angles.

Cleaning and sterilization: The FDA recommends that reusable handpieces be cleaned and heat sterilized between patients.

#### Caution:

- Do not exceed 275 degrees F (135 degrees C).
- Do not submerge in any solution.
- Do not use ultrasonic cleaners.
- Do not use surface disinfectants.
- Proper maintenance of and periodic validation of sterilizer function and temperature is important for proper maintenance of the PROPHY-Lite and other dental handpieces.
- Failure to follow these instructions can result in hazard of infection.
- Failure to follow proper infection control guidelines, manufacturer's guidelines or both when disposing of accessory items or cleaning materials may result in hazard to environment.

Note: Periodically remove nosepiece assembly and rinse with warm water to remove debris or paste.

#### To Sterilize:

1. Ensure that the prophylaxis head has been removed.
2. Clean the exterior of the handpiece with a damp towel or lavage to remove any debris or paste.
3. Place the handpiece in appropriate sterilization bag as recommended by the sterilizer manufacturer. Sterilize by steam autoclave at 275o F (135o C) for 25 minutes.
4. Remove the bag from the sterilizer immediately after the cycle is complete and allow the handpiece to cool in the bag. Note running hot handpieces can cause internal damage to the motor.
5. Store the components in the bag until ready for use.

#### Maintenance:

Under most operating conditions the Prophy-Lite hygienist handpieces require NO LUBRICATION. However, it is not unusual for particulate matter from the air supply to accumulate in the motor after non usage. To prevent this problem, we recommend that you perform this cleaning procedure routinely on a monthly basis, or if the motor becomes sluggish.

1. Disconnect the air tubing connector.
2. Apply 3 or 4 drops of Air Motor Cleaner into the small inlet tube on the handpiece connector.
3. Reconnect the air tubing connector and run the motor for approximately 10 seconds or until the motor runs smoothly.
4. Repeat if necessary.

## Installation:

The PROPHY-LITE Hygienest handpiece series is designed to attach to standard dental tubing with ISO-Standard 4-Hole connectors, with or without coolant or chip air holes. Be sure the rubber gasket on the connector of the motor is in place. Attach and finger-tighten the tubing connector securely. **DO NOT USE A WRENCH.**

## Prophy Tool Selection:

### CAUTION:

- Do not re-use polishers or brushes. This may compromise asepsis. Used polishers or brushes may deteriorate or fail during use.
- Prophy brushes do not seal the head and should be used for special applications only.
- Routine use of prophy brushes may damage the head and will void the warranty.
- Prophy Angle Attachment:
- The PROPHY-Lite hygienist Handpiece will accept regular Doriot style latch angles and straight burs. However, the shaft will spin in the collet if excessive torque is applied. **THEIR USE IS NOT RECOMMENDED WITH THIS HANDPIECE.**

## 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 air supply line. Recommended air pressure is 35 PSI (241 kPA), measured at the handpiece tubing end. Maximum speed is approximately 4,000 RPM.

## Troubleshooting

Problem	Solution
Motor sluggish, low speed or low power. Will not start at low air pressure.	Check Air pressure. Ensure gasket is in place. Clean per cleaning instructions. Repeat up to 3 times if necessary. Re-new O-rings connector
Motor will not turn on.	Check air pressure. Ensure gasket is in place. If it will not turn, the motor has been jammed by a foreign particle from the airline. Return for service.
Air leak at connector.	Tighten tubing connector. Check for faulty or missing gasket. Re-new O-rings.
Motor runs but does not turn angle.	Faulty angle. Try a new one. Only use standard prophy angles with a standard shaft size (2.35mm)
Angle vibrates or spins excessively	Faulty angle. Try a new one or another brand.

Note: If problems still occur after following these instructions or replacement parts is needed, contact Vector R & D or your dental dealer.

## Product Warranty

The Prophy-Lite is warranted to be free from defects in material and workmanship for a period of one (1) year from the date of shipment. This warranty applies only if the product has been maintained per these instructions. The warranty will not apply if the product has been subject to misuse or abuse. Sole liability under this warranty is limited to the repair department, at the manufactures option, of the defective product. No warranties are expressed or implied. Any defective product must be returned to the address below with proof of purchase and transportation prepaid.

### Manufactured for:

Vector R & D Inc.  
6824 19<sup>th</sup> St # 230  
University Place, WA 98466

Caution federal law (USA) restricts this devise to sale or on order of a dentist

MADE IN USA