

Pastel Plus Propphy HANDPIECE

Instructions for Use



Precision Performance

REF 11422, 11423, 11424, 11425



Manufacturer: Lares Research

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Chico, CA 95973, USA

EC REP MDSS Schiffgraben 41, 30175 Hannover, Germany



Not Sterile

GENERAL INFORMATION

Pastel Plus Propphy Low Speed handpieces are designed to minimize arm and hand fatigue. Features include light weight, balanced profile, and smooth swivel action to offset the torque created by connecting supply tubing. Before operating handpiece, carefully read and follow these instructions. Save them for future reference. Observe all cautions and warnings.

⚠ Caution: This product is intended for use by dental professionals only. United States federal law restricts this device to sale by or on the order of a licensed dentist or healthcare practitioner.

SPECIFICATIONS

Weight: 1.6 oz (47 grams)
Length: 3.9 in (9.9 cm)
Max Diameter: 0.63 in (1.6 cm)
Speed: 2500 rpm @ 40 psi. (2.8 bar)
Connection: 'MidWest' style 4 Hole Connectors. (ISO 9168 -Type 2)
Air Consumption: 45 NL/min @ 40 psi (2.8 bar)

INDICATIONS FOR USE

Pastel Plus Propphy Low Speed Handpiece is intended for cleaning and polishing teeth by a trained professional in general dentistry.

CONTRAINDICATIONS

It is not recommended to treat intrinsic stains which are typically deeply marbled in the tooth and not to use device on patients with respiratory and infectious diseases as polishing creates aerosols.

OPERATING RECOMMENDATIONS

AIR SUPPLY:

Moist or dirty air from the compressor can damage the **Pastel Plus Propphy** Low Speed handpieces. Check the filters often. If dirt or moisture is present, replace the filter and clear the air system and dental unit.

EMPTY OPERATION:

The **Pastel Plus Propphy** Low Speed handpiece will not be damaged if operated without a prophy angle engaged.

USE:

The **Pastel Plus Propphy** Low Speed handpiece accepts ADA & ISO compliant re-usable and disposable prophy angles.

INSTALLATION INSTRUCTIONS

1) **Pastel Plus Propphy** Low Speed handpiece is packaged not

sterile. Clean and autoclave the handpiece before its first use. Follow autoclave and maintenance steps 1 – 4.
2) Preset the air pressure between 32 and 40 psi. Recommended pressure is 40 psi.
3) Screw the **Pastel Plus Propphy** Low Speed handpiece to the dental unit hose nut, making sure contact between the handpiece and gasket is flush.
4) Secure the disposable prophy angle or Doriot Attachment, if applicable, to the **Pastel Plus Propphy** Low Speed handpiece, as follows.

SECURING PROPHY ANGLES OR DORIOT ATTACHMENTS

1) Align prophy angle or Doriot slot with pin on nose cone.
2) Insert prophy angle or Doriot attachment fully onto the nose cone up to the shoulder.
3) Double check to be sure prophy angle or attachment is secured in place.
4) To remove prophy angle or Doriot attachment from chuck, pull straight out from the nose cone.

FORWARD/REVERSE DIRECTION

There is no speed-direction control. The **Pastel Plus Propphy** Low Speed handpiece rotates clockwise in a forward direction.

Detach handpiece from the delivery tube at the end of each day and prior to other extended periods of non-use.

⚠ CAUTIONS

- Non-sterile products present a risk of infection from contaminated handpieces. Take suitable personal protective measures (i.e. exam gloves, eye protection, 5 µm particulate filter mask).

- The handpiece has the potential to accelerate materials at high velocities in unanticipated directions that could affect the eye. Use proper eye protection for the practitioner, staff and patient.

- Do not use burs or diamond instruments in the **Pastel Plus Propphy** Low Speeds.
- Never force a prophy angle or Doriot attachment into the **Pastel Plus Propphy** Low Speed. If the shank does not enter the handpiece smoothly, it should not be used.
- The prophy angle must be fully inserted in the **Pastel Plus Propphy** Low Speed before operation.
- Do not extend prophy angles from handpieces.
- Never operate handpiece without double checking that it is securely retained.
- Never operate handpieces at air pressure in excess of recommended maximum setting.
- Never submerge handpieces in any cleaning solutions.
- Do not use ultrasonic cleaning systems.
- Do not autoclave for extended periods (such as overnight).
- Do not leave handpieces in autoclave after cycle is completed.
- Do not use this handpiece without autoclaving between patients to prevent cross contamination which could result in serious illness or even death from infectious organisms such as HIV or Hepatitis B.

MAINTENANCE

The **Pastel Plus Propphy** Low Speed handpieces should be lubricated prior to each sterilization cycle.

1. Screw the lubrication nozzle onto the Lares One-Step Handpiece Conditioner tip.
2. Insert the lubrication nozzle into the drive air tube of the handpiece (the small tube).
3. With the back end tubes pointed away from you, spray lubrication into the handpiece for 1-2 seconds.
4. Run the handpiece for approximately 15 seconds to flush out excess lubricant.

MAINTENANCE (continued)

5. Wipe down the exterior of the handpiece with a clean cloth to remove any excess lubricant.

If your nose cone is not swiveling effectively, use the lubrication nozzle to spray Lares One-Step Handpiece Conditioner into the tip of the nose cone for 1-2 seconds. Manually rotate the nose cone to free any stuck debris. If this does not resolve the issue, return the device to the factory for repair. Do not remove the nosecone.

Lares Research recommends sending your **Pastel Plus Prophecy** low speed handpiece back to the factory for service every 300 autoclave cycles or one year, whichever occurs first.

AUTOCLAVE & MAINTENANCE INSTRUCTIONS

1) Prepare **Pastel Plus Prophecy** Low Speed handpieces for autoclave by carefully scrubbing the external surface with a soft brush and warm tap water 40°C ± 5°C (104°F ± 10°F) to remove visible debris and particles. Be careful not to run water into backend tubes. Dry with a towel or dry syringe air.

2) Seal handpieces in separate autoclave bags. Make sure to remove prophy angle from handpiece prior to sealing.

3) Process in gravity steam autoclave as follows:

- Place handpiece(s) in autoclave tray(s).
- Autoclave at a temperature of 270° F (132°C) for at least 15 minutes.



• **Alternate validated sterilization cycle:**

Forced (dynamic) air removal sterilization (pre-vacuum or steam pressure pulse)

Cycle exposure time 4 minutes at 132°C (270°F)

Drying time 30 minutes minimum

- NOTE: Temperature should not exceed 275° F (135° C).

4) After autoclave cycle is completed, allow to cool down 30 minutes prior to handling.

⚠ The FDA & CDC strongly recommend that handpieces be heat sterilized after each patient use.

Troubleshooting		
Problem	Cause	Solution
Handpiece Stalls	No/Low Air Pressure	Check that the supply tubing is engaged & the tubes are not blocked.
	Supply improperly seated	Reconnect handpiece to supply tubing making sure the gasket is fully contacted.
	Dry Motor	See lubrication instructions.
	Damaged or Defective angle	Replace with a new angle.
	Worn backend gasket	Replace gasket if visibly damaged.
	Pinched supply tubing	Service or replace supply tubing.

LIMITED WARRANTY INFORMATION

The following warranty conditions apply to this Lares Research **Pastel Plus Prophecy** Low Speed handpiece: Lares provides the end customer with a warranty of proper function and guarantees zero defects in respect of material and processing for a period of 2 years from date of purchase, subject to the following conditions: In case of justified complaints, Lares will honor its warranty with a free replacement or repair performed by trained Lares technicians.

Other claims of any nature whatsoever, in particular with respect to compensation, are excluded. In the event of default, gross negligence or intent, this shall only apply in the absence of mandatory legal regulations to the contrary. Lares will not warranty and cannot be held liable for defects and their consequences that have arisen or may arise from natural wear, improper handling, cleaning or maintenance, non-compliance with operating, maintenance or connection instructions, mineral deposits or corrosion, contaminated air or water supplies or chemical or electrical factors deemed abnormal or impermissible in accordance with Lares Research' instructions for use or other manufacturer's instructions.

ADDITIONAL CONDITIONS OF WARRANTY:

Use of replacement or repair parts not manufactured by Lares Research may void this warranty. No liability is assumed when defects or their consequences are derived from manipulations or changes to the product by the customer or a third party. Service warranty claims will only be accepted when product is submitted directly to Lares Research, attention: Technical Service Department. The serial number must be clearly visible on the product. For warranty repairs outside the USA, contact your local authorized Lares distributor.

DISPOSAL

Prior to disposal, the product must be reprocessed per this instruction.

SERIOUS EVENT NOTIFICATION

If a serious event occurs during the operation of this device it should be reported to Lares Research. In the European Union it should also be reported to the competent authority of the Member State in which the user and/or patient is established.

REPAIR SERVICE

Toll Free Ordering & Technical Assistance:

(888) 333-8440

Non Toll-Free Worldwide: (530) 345-1767

Internet & Online Ordering: www.laresdental.com

For authorized repair, send your handpiece directly to Lares Research (in U.S.A. only), shipping pre-paid. For repair outside the U.S.A. send your handpiece to your authorized Lares distributor.

Replacement Parts and Accessories

Description	Item No.
4 Hole Gasket	10009
One-Step Handpiece Conditioner	10083
Lubrication Nozzle	10361
Repair Return Pouch	10420

Symbol	Description
	Catalog Part Number
	Product Serial Number
	European Community Representative
	Consult Accompanying Documents
	Conformity Marking
	Manufacturer
	YYYY-MM Manufacture Date
	Parts Applied to Patient
	Steam Autoclave