Dental Instruments
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PULIHUA PLH-US1 Dental Piezosurgery Unit

User Manual



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Notice：

Install the water pipe first and start the device in cleaning mode. Ensure the blade is fully flushed with water before switching to any working mode.

Basic Device Info

Protection class: Class II equipment; applied part Type B.

Waterproof rating: Foot control IPX6; main unit IPX1.

Power: AC 100-120V, 50/60Hz.

Intended Use

For dental and oral surgery only.

Suitable for patients 18–70 years old.

Must be operated by a specially trained implant dentist.

Safety Warnings & Cautions

Avoid electromagnetic interference; keep away from magnetic wave sources.

No unauthorized modification; discontinue use if malfunctioning (vibration, noise, overheating).

Continuous operation ⩽30 seconds to prevent motor overheating.

Use grounded power; stop motor completely before changing burs.

Do not bend irrigation tubing during pump operation.

Do not disassemble or lubricate the motor.

Control unit and foot control cannot be sterilized; clean with damp/ cloth after power off.

Do not use near flammable anesthetic gases.

Require effective coolant to prevent bone burning.

Contraindications

Not for patients with:

Cancer, cardiovascular, blood, or immune system diseases.

Anticoagulant therapy, chemotherapy, or radiotherapy.

Poor bone quantity/quality.

Cardiac pacemakers (doctors and patients).

Contents & Installation

Includes foot control, irrigation tubes, main unit, motor handle, etc.

Installation: connect foot pedal, install infusion bottle holder, mount saline bottle, connect power and motor cable, fit peristaltic pump tubing.

Cleaning & Maintenance

Control unit/foot control: wipe with damp cloth + cloth (power off).

Motor handle: clean and disinfect with medical before/after use.

Dispose of equipment and disposable tubes per local regulations.

Environment

Operation: 0–40°C, 10–75%RH, 700–1060hPa.

Storage: −10–50°C, 10–85%RH, 500–1060hPa; cool, dry, ventilated; away from toxic/corrosive/flammable materials.

Transport: avoid shock, vibration, sun, rain, and mixing with dangerous goods.

Functions & Modes

Preset modes: Bone, Endo, Perio, Rhino, Custom, Clean.

Adjustable power (1–10) and water flow (0–100 mL/min); default power 5, default water 80 mL/min.

Foot control: adjust water, switch modes, press to start/release to stop.

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