

1. Introduction

This user manual provides essential information for the safe and operation, setup, and maintenance of the Greeley GU-204 Portable Dental Unit. Please read this manual carefully before operating the unit and retain it for future reference. Understanding and adherence to these instructions are crucial for performance and longevity of the equipment.

The difference between Gu-P206 and GU-P204

The GU-P206 adds a built-in ultrasonic scaler and LED curing light compared with the GU-P204. All other configurations are the same.



Figure 1: Greeley GU-204 Portable Dental Delivery Unit. This image displays the complete portable dental unit in its open configuration, showcasing the various instruments and controls housed within its compact, wheeled case.

2. Safety Information

Always observe the following safety precautions to prevent injury to personnel or damage to the equipment:

Electrical Safety: Connect the unit only to a grounded power outlet with the

specified voltage (110–240V, 50/60Hz). Do not operate with damaged power cords.

Water and Air Supply: Ensure all water and air connections are secure to prevent leaks. Use only clean, distilled water for the water supply system.

Operating Environment: Operate the unit in a well-ventilated area. Avoid extreme temperatures or humidity.

Maintenance: Disconnect power before performing any maintenance or cleaning. Only qualified personnel should perform repairs.

Noise Level: The unit operates at 48dB. Prolonged exposure to noise levels above recommended limits may require hearing protection.

3. Product Overview

The Greeloy GU-204 is a portable dental delivery unit designed for mobility and functionality. It integrates essential dental instruments and controls within a compact case.

3.1. Main Components



Figure 2: Handpiece Connections. This image shows the connection points for various dental handpieces and hoses, including the high-speed and low-speed air lines.

- **Handpiece Holders:** Securely hold high-speed and low-speed handpieces.
- **3-Way Syringe:** For air, water, and spray functions.
- **Saliva Ejector:** For suction during procedures.
- **Water Bottle:** Provides independent water supply for instruments.

- **Air Compressor:** Integrated oil-free compressor for air supply.

3.2. Integrated Instruments



3.3. Control Panel



Figure 4: Control Panel. This image provides a close-up view of the unit's control panel, featuring a pressure gauge and toggle switches for Saliva Ejector, Water Supply, and Handpiece (HS/LS) activation.

Pressure Gauge: Displays air pressure for handpieces.

Saliva Ejector Switch: Activates/deactivates the saliva ejector.

Water Supply Switch: Controls water flow to instruments.

Handpiece (HS/LS) Switches: Activates high-speed (HS) or low-speed (LS) handpiece air.

Power Switch: Main power control for the unit.

4. Setup

1. **Unpacking:** Carefully remove the unit from its packaging. Inspect for any shipping damage.
2. **Positioning:** Place the unit on a stable, level surface. Ensure adequate space for operation and ventilation.
3. **Power Connection:** Connect the power cord to the unit and then to a grounded electrical outlet (110–240V, 50/60Hz).
4. **Water Supply:** Fill the water bottle with clean, distilled water. Securely attach it to the designated port.
5. **Instrument Connection:** Connect your dental handpieces, 3-way syringe, and saliva ejector to their respective ports. Ensure all connections are tight.
6. **Foot Pedal:** Connect the foot pedal to its designated port.
- 7.

5. Operating Instructions

1. **Power On:** Flip the main power switch to the 'ON' position. The integrated air compressor will start, and the pressure gauge will indicate the air pressure build-up.
2. **Water Supply Activation:** Turn on the 'WATER SUPPLY' switch on the control panel to enable water flow to the instruments.
3. **Handpiece Operation:**
 - Select the desired handpiece (HS or LS) by flipping its respective switch to 'ON'.
 - Depress the foot pedal to activate the handpiece. Adjust air pressure as needed using the regulator (if available).
4. **3-Way Syringe:** Use the buttons on the syringe to dispense air, water, or a spray mixture.
5. **Saliva Ejector:** Turn on the 'SALIVA EJECTOR' switch to activate suction.
6. **Curing Light:** Activate the Woodpecker LED curing light as per its specific instructions for polymerization.
7. **Ultrasonic Scaler:** Operate the scaler according to its dedicated instructions for dental scaling.
8. **Power Off:** After use, turn off all instrument switches, then flip the main power switch to 'OFF'. Disconnect the power cord.

6. Maintenance

Regular maintenance ensures the longevity and proper functioning of your unit.

- **Daily Cleaning:** Wipe down the exterior surfaces with a mild disinfectant solution. Clean and sterilize all instruments after each patient.
- **Water Bottle:** Empty and clean the water bottle daily. Refill with fresh distilled water.
- **Saliva Ejector Filter:** Check and clean the saliva ejector filter regularly to prevent blockages.
- **Air Filter:** Periodically inspect and clean or replace the air filter for the compressor to maintain optimal air quality and pressure.
- **Hoses and Connections:** Inspect all hoses and connections for wear, cracks, or leaks. Replace damaged components immediately.
- **Storage:** When not in use, ensure the unit is clean, dry, and stored in a cool, dry place.

7. Troubleshooting Guide

Problem	Possible Cause	Solution
Unit does not power on	No power supply; Power cord disconnected; Main switch off	Check power outlet; Ensure power cord is securely connected; Turn main switch to 'ON'.
No air pressure / Low air pressure	Compressor not running; Air filter clogged; Air leak in hoses	Check compressor power; Clean or replace air filter; Inspect hoses for damage and tighten connections.
No water flow to instruments	Water bottle empty; Water supply switches off; Water line blockage	Refill water bottle; Turn 'WATER SUPPLY' switch to 'ON'; Check water lines for kinks or blockages.
Excessive noise during operation	Compressor issue; Loose components; Unit not on a stable surface	Ensure the unit is on a stable surface. If noise persists, contact qualified service personnel.
Saliva ejector not working	Saliva ejector switches off; Filter clogged; Suction line blockage	Turn 'SALIVA EJECTOR' switch to 'ON'; Clean the filter; Check suction lines for blockages.

8. Specifications

Brand: Greeley



Model:GU-P206

Volt. /HZ: 110V-240V 50/60Hz

Power: 600W

Pressure: 0 -5Bar

Noise:48dB

Tank Volume:6 Liters

Pump Flow / Air Flow Capacity:118 L/min (118 Liters Per Minute)

Dimensions: 430*320*630mm

Weight: 24KG

Package With:

Self-contained bag with pull-out handle and wheels

Self-contained electric dental system

Self-contained clean water supply system(1000ml)

Self-contained drainage bottle(1000ml)

Self-contained oil free compressor(600w motor)

1pc 3-way syringe

1pc foot switch

2pc handpiece tubing(2H/4H)

1pc saliva ejector

9. Warranty and Support

Warranty: 1 year.

Contact Us

If you have any question or need any assistance, please contact us by email or telephone. All our team members would stand by for you anytime.

Working Hours: Monday - Friday: 9:30 a.m. to 5:30 p.m. (UTC+8);

E-mail Address:

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You can send an email to us regarding your questions; we will get back to you within 12 hours or 48 hours on weekends.

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(If the phone can get through, but no one answers it. In this case, our customer service may not be online. You can leave us a message and we will contact you

soon once we receive your message.)

10. Certification

