DCI International 5655

DCI International 5655 Autoclavable Premium Saliva Ejector Valve User Manual

Introduction

This manual provides instructions for the proper use, maintenance, and care of the DCI International 5655 Autoclavable Premium Saliva Ejector Valve with Anti-Suck Back. This device is designed for efficient fluid evacuation during dental procedures, ensuring patient comfort and safety. Please read this manual thoroughly before operating the device.



Image: DCI International 5655 Autoclavable Premium Saliva Ejector Valve.

Safety Information

Always follow standard dental safety protocols and local regulations when using this device. This valve is intended for use by trained dental professionals only.

- Inspect the valve for any visible damage or wear before each use. Do not use if damaged.
- Ensure proper sterilization procedures are followed to prevent cross-contamination between patients.
- Dispose of used saliva ejector tips and any contaminated components according to biohazard waste protocols.
- Wear appropriate personal protective equipment (PPE) during use and cleaning.

Setup

1. **Unpacking:** Carefully remove the saliva ejector valve from its packaging. Retain packaging for future storage or transport if needed.
2. **Initial Cleaning and Sterilization:** Before first use, clean and sterilize the valve according to the detailed instructions in the "Maintenance and Sterilization" section.
3. **Connection to Dental Unit:** Connect the DCI International 5655 valve to the dental unit's evacuation system hose. Ensure a secure and tight fit to prevent air or fluid leaks. The valve features a Luer Lock thread type for reliable attachment.
4. **Saliva Ejector Tip Insertion:** Insert a new, disposable saliva ejector tip into the designated port on the valve. Ensure the tip is fully seated.

Operating Instructions

The DCI International 5655 valve is designed for efficient and safe fluid evacuation during various dental procedures.

1. **System Activation:** Ensure the dental unit's suction system is active and operating at the desired vacuum level.
2. **Positioning:** Carefully position the saliva ejector tip in the patient's mouth to effectively remove saliva, water, and debris without causing discomfort.
3. **Anti-Suck Back Feature:** The integrated anti-suck back mechanism actively prevents the backflow of fluids from the evacuation system into the patient's mouth, enhancing patient safety and hygiene.
4. **Monitoring:** Continuously monitor the suction effectiveness and reposition the tip as necessary throughout the procedure.
5. **Post-Procedure:** After the procedure, carefully remove the saliva ejector tip from the valve.
6. **Disposal:** Dispose of the used saliva ejector tip according to established biohazard waste disposal protocols.

Maintenance and Sterilization

Proper maintenance and sterilization are crucial for the longevity, hygienic operation, and patient safety associated with the DCI International 5655 valve.

Cleaning

1. **Disassembly:** Disconnect the valve from the dental unit's evacuation hose.
2. **Rinsing:** Rinse the valve thoroughly under running water to remove any gross debris and visible contaminants.
3. **Detergent Cleaning:** Clean the valve using a suitable dental instrument cleaning solution and a soft brush. Ensure all internal and external surfaces, including the anti-suck back mechanism, are free of contaminants. Follow the cleaning solution manufacturer's instructions.
4. **Final Rinse:** Rinse thoroughly with distilled or deionized water to remove all traces of the cleaning solution.
5. **Drying:** Dry the valve completely using a lint-free cloth or compressed air.

Sterilization (Autoclaving)

The DCI International 5655 valve is designed to be autoclavable, allowing for high-level sterilization.

1. **Preparation:** Ensure the valve is thoroughly cleaned and completely dry before placing it into the autoclave.
2. **Packaging:** Place the valve in an appropriate sterilization pouch or tray designed for autoclaving.
3. **Autoclave Cycle:** Follow the manufacturer's instructions for your specific autoclave unit. Typical sterilization cycles include:
    - **Gravity Displacement:** 121°C (250°F) for 30 minutes, or 132°C (270°F) for 15 minutes.
    - **Pre-vacuum:** 132°C (270°F) for 4 minutes.
4. **Cooling:** Allow the sterilized valve to cool completely within the sterile packaging before handling or storage.

Troubleshooting

This section addresses common issues you might encounter with the DCI International 5655 valve.

Problem	Possible Cause	Solution
Reduced Suction	Blocked saliva ejector tip; Clogged valve due to debris; Loose connection to dental unit.	Replace the saliva ejector tip; Disassemble and clean the valve thoroughly; Ensure the Luer Lock connection is secure.
Leakage at Connection Point	Improperly seated Luer Lock connection; Damaged O-rings or seals within the valve.	Ensure the Luer Lock connection is fully tightened; Inspect and replace O-rings or seals if they show signs of wear or damage.

Problem	Possible Cause	Solution
Valve Sticking or Difficult to Operate	Residue buildup inside the valve mechanism; Insufficient cleaning or lubrication (if applicable).	Thoroughly clean and sterilize the valve. Ensure all moving parts are free of debris.
Anti-Suck Back Malfunction	Internal component obstruction or damage.	Discontinue use and contact DCI International support for inspection or replacement.

Specifications

- **Model Number:** 5655
- **Brand:** DCI International
- **Material:** Stainless Steel
- **Exterior Finish:** Stainless Steel
- **Valve Type:** Check valve with Anti-Suck Back mechanism
- **Thread Type:** Luer Lock
- **Number of Ports:** 2
- **Sterilization:** Autoclavable

Warranty and Support

For detailed warranty information, technical assistance, or to inquire about replacement parts, please contact DCI International directly. It is recommended to keep your purchase receipt as proof of purchase for any warranty claims.
You can find more information and contact details on their official website:
Visit DCI International Website

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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