FOR TECHNICAL SUPPORT:
Call DENTSPLY PROFESSIONAL PRODUCT SERVICES DEPARTMENT at 1-800-989-8826.
DENTSPLY® CAVITRON® ULTRASONIC INSERTS
DIRECTIONS FOR USE and INFECTION CONTROL PROCEDURES

INSERTS ULTRASONIQUES DENTSPLY® CAVITRON®
MODE D’EMPLOI et PROCÉDURES DE CONTRÔLE DE L’INFECTION

INSERTOS ULTRASÓNICOS DENTSPLY® CAVITRON®
INSTRUCCIONES DE USO y PROCEDIMIENTOS PARA EL CONTROL DE INFECCIONES

DENTSPLY® CAVITRON® ULTRASCHALL-EINSATZSTÜCKE
GEBRAUCHSANLEITUNG und INFektionskontrollverfahren

INSERTI ULTRASONICI DENTSPLY® CAVITRON®
ISTRUZIONI PER L’USO e PROCEDURE DI CONTROLLO DELLE INFEZIONI

УЛЬТРАЗВУКОВЫЕ ВКЛАДЫШИ DENTSPLY® CAVITRON®
УКАЗАНИЯ ПО ПРИМЕНЕНИЮ и ПРОЦЕДУРЫ ПРОФИЛАКТИКИ ИНФЕКЦИЙ
**DIRECTIONS FOR USE**

**INDICATIONS FOR USE**

Cavitron® inserts are to be used with magnetostrictive ultrasonic scalers to perform:

- All general supra and subgingival scaling applications.
- Periodontal debridement for all types of periodontal diseases.
- Endodontic Procedures.

**CONTRAINDICATIONS**

- Cavitron inserts should not be used for restorative dental procedures involving condensation of amalgam.

**WARNING**

- Tips with high usage which exceed the warranty period should be discarded to avoid possible in-use breakage and possible injury.

**PRECAUTIONS**

- Cavitron ultrasonic inserts are designed and tested for maximum performance with Cavitron ultrasonic scalers. Companies that manufacture ultrasonic scaling systems carry the sole responsibility for proving the efficacy and performance of their systems when using Cavitron ultrasonic inserts. Please read the Warranty statement in this booklet before using Cavitron inserts with ultrasonic systems other than Cavitron systems.
- Do not bend or reshape insert. Inserts should be handled with care at all times. Ultrasonic Inserts tips that have been bent, reshaped or otherwise damaged are susceptible
to in-use breakage and should be discarded and replaced immediately.

- Like bristles of a toothbrush, ultrasonic inserts “wear” with use. Refer to the Efficiency Wear Indicators supplied with your Cavitron system or insert and the How to Use the Efficiency Indicator section of these Directions for Use. If excessive wear is noted, discard the insert immediately.

- Never operate system without fluid flowing through handpiece.

- Follow Infection Control Information recommendations carefully.

- Dental Healthcare Professionals are responsible for knowing and complying with industry guidelines, standards of care, and statutory and regulatory requirements that apply to the safe practice of dentistry.

- Dental Healthcare Professionals are responsible for practicing asepsis where such precautions are required by regulations, to comply with the appropriate standards of care, or in their best judgment.

**UNIT POWER SETTINGS**

- PEC, PEC-2, FSI® Slimline®-10S, L&R and Slimline®-10S. L&R inserts should be used up to medium power.
- All other Cavitron inserts may be used up to maximum power.

**INSERT SELECTION**

Base insert selection on the following:

- Patient’s health or disease status.
- Root anatomy, considering concavities and furcations.
- Type and location of deposits to be removed.

**For Gross Deposit Removal**

Classic P, TFI®, and FSI® Inserts
For Fine Definitive Debridement
FSI® Slimline® and Slimline® straight inserts and Cavitron THINsert™ for light calculus removal and deplaquing pockets <4 mm deep.

FSI® Slimline and Slimline® left and right inserts for fine periodontal debridement, excellent access and adaptation to root anatomy in pockets >4 mm deep.

OPERATING INSTRUCTIONS
1. Select the appropriate insert for the tooth or root to be treated.
2. Use the lowest effective power setting.
3. Adjust the water control until the water (lavage) flows with a rapid drip or small spray.
4. Use very light pressure with a light pen or modified pen grasp.
5. Use a light but stable intraoral or extraoral fulcrum.
6. Adapt the insert so the point is not directed into root surface.
7. Use a light, smooth gentle touch.
8. Keep the insert tip in motion at all times, using overlapping horizontal, vertical or oblique brush-like strokes.
9. Use the inactivated insert to explore/evaluate root surface.

O-RING CARE
Before placing the insert into the handpiece, performing the following steps will increase the o-ring life on Cavitron inserts:
country warranties will apply. This warranty is subject to the following conditions:

1) Inserts must not be subjected to abuse or improper use or application.

2) Inserts must not be subjected to abuse or improper cleaning, disinfection, or sterilization procedures.

3) Bending or reshaping the inserts will void the warranty.

4) Using inserts in units other than CAVITRON ultrasonic systems will void the warranty.

There are no warranties, expressed or implied beyond the description on the face hereof. DENTSPLY neither assumes, nor authorizes any person to assume for it, any other liability for incidental and consequential damages resulting from the use of the insert.

To receive reimbursement for any defective Cavitron ultrasonic insert, you must send the defective product within the warranty period to the dealer or manufacturer with specification of the defect and receipt of purchase.

FOR TECHNICAL SUPPORT:
Call DENTSPLY PROFESSIONAL PRODUCT SERVICES DEPARTMENT at 1-800-989-8826.
Fill entire handpiece with water.
Lubricate o-ring (black or green rubber material) with water.
Gently twist the insert down into the handpiece until the insert is fully seated in place.

WARNINGs
- Instruments are not sterile upon receipt and must be sterilized prior to use in accordance with the following instructions.
- The use of cleaning and disinfectant solutions is not recommended.

LIMITATIONS ON PROCESSING
- Repeated cleaning and sterilization cycles have minimum effect on these instruments. End of life is normally determined by wear and damage due to use.
- Do not use chemical disinfectants prior to sterilization or rapid deterioration of the material may occur.
- Cold liquid disinfection/sterilization, chemical vapor sterilization, and dry heat sterilization methods have not been tested or validated for efficacy and are not recommended for use.

INFECTION CONTROL PROCEDURES

Point of use:
Remove excess soil with disposable cloth or paper.

Containment and Transportation:
Protect instruments from damage. Instruments should be reprocessed as soon as is reasonably practical following use. Instruments left standing wet may stain or corrode.

Cleaning: Automated
- May be cleaned using an ultrasonic water bath for 15 minutes.
Cleaning: Manual
• Rinse all instruments under running water to remove any gross debris.

Disinfection:
Additional disinfection is not necessary prior to sterilization.

Packaging:
Place instrument in a paper or paper/plastic steam sterilization pouch. Instruments may be loaded into dedicated instrument trays.

Sterilization:
Use a steam autoclave. Place bagged instruments into the steam autoclave, paper side up when using a paper/plastic pouch. After warm-up is completed, operate at a sterilizing temperature and pressure of 273°F/134°C to 279°F/137°C and pressure of 31psi/216kPa for 6 to 12 minutes.

Alternate method: Place non-bagged inserts into the steam autoclave. After warm-up is completed, operate at a sterilizing temperature and pressure of 273°F/134°C to 279°F/137°C and pressure of 31psi/216kPa for 3 to 4 minutes. Instrument should be used immediately.

Drying:
To dry, use the drying cycle of the autoclave. Set cycle for 20-30 minutes.

Maintenance, inspection and testing:
• Visually inspect to ensure all contamination is removed.
• Visually inspect all o-rings for wear. Replace worn o-rings (Refer to O-Ring Replacement Kit Instructions). Lubricate o-rings with water before use.
• Check for distortion, damage and wear (Refer to Efficiency Wear Indicator Instructions). Discard damaged, worn or corroded instruments.
Storage:
To maintain sterility, instruments should remain bagged until ready for use.

HOW TO USE THE EFFICIENCY WEAR INDICATOR

1) Place the insert tip flat against the Applicable Insert Tip diagram with the engraved line aligned with the edge of the card.
2) Compare length to the red and blue lines.
3) Evaluate tip shape. If shape does not match profile, discard the insert.

To re-order Inserts, call your local DENTSPLY Professional Distributor or call Customer Service 800-989-8826

To order efficiency indicator cards for Cavitron® inserts: Call DENTSPLY Professional Customer Service at 1-800-989-8826.

WARRANTY

Cavitron® ultrasonic inserts manufactured by DENTSPLY Professional are warranted against defects arising from faulty materials or workmanship for ninety days from the date of purchase. This warranty extends to inserts purchased from an authorized DENTSPLY distributor and only to the original purchaser and is valid only for inserts purchased in the United States (U.S.) and for those countries without specific warranty requirements. For inserts purchased outside the U.S. in countries with specific warranty requirements, those applicable...