Regarding the efficacy of removing calculus, a review of collective studies reveals...

“The best results are probably obtained by combining sonic/ultrasonic instrumentation with manual scaling.”


Hu-Friedy - the world leader in scalers and curettes - offers ultrasonic scaling solutions in both magnetostrictive and piezoelectric technologies; we are proud to give you multiple options to perform at your best. Featured products include:

**MAGNETOSTRICTIVE**
- Swivel Direct Flow® Inserts
- SWERV® Scaling Unit

**PIEZOELECTRIC**
- Symmetry Scaling Tips
- Symmetry IQ® Multifunctional Device
Hu-Friedy inserts give you the power, efficiency, and comfort you need to treat a wide range of patients. With a variety of water delivery designs, Swivel® options, and compatibility with all magnetostrictive ultrasonic scalers, our inserts will truly allow you to perform at your best.
**POINTS OF PERFORMANCE**

**EFFICIENT AT LOWER POWER RANGES**
Allows you to turn down the power to increase patient comfort and still achieve efficient, thorough scaling.

**COLOR-CODED HANDLES**
Colorful resin handles help instantly identify tip design and increase tactile sensitivity.

**WATER DELIVERY OPTIONS**
Choose from 4 water delivery options for your preferred combination of spray and lavage.

Compatible with the SWERV® Ultrasonic Scaler as well as all Cavitron® and Cavitron-compatible generators.
SWIVEL™ INSERTS
Hu-Friedy exclusive inserts

WATER DELIVERY:
INTERNAL FLOW FROM BASE OF TIP

No need to stop scaling to adjust the insert. SWIVEL inserts reduce the drag from the handpiece cord, increasing overall balance for hassle-free scaling.

A large diameter grip reduces finger pinching, resulting in less hand fatigue* and enhanced tactile sensitivity.

360° SWIVEL TECHNOLOGY

SWIVEL DIRECT FLOW® INSERTS
The Ultimate Ultrasonic Insert

WATER DELIVERY: THROUGH-TIP

Swivel Direct Flow inserts have all of the features of the revolutionary SWIVEL inserts plus unsurpassed through-tip water delivery. This design focuses the water flow directly to the tip, reducing excess spray and increasing visibility.

A special blend stainless steel alloy improves reliability for a longer life. These inserts also feature a longer 30kHz grip to improve grasp, access and adaptability in posterior areas.

The beveled edges of the #1000 Triple Bend make it ideal for removing tenacious stain and calculus.

Reach deep into pockets and achieve efficient subgingival scaling with the thin tips of the After Five Straight, Left and Right inserts. These probe-size tips enhance access into periodontal pockets.

AFTER FIVE® INSERTS

POWER LEVEL

- MED—MED/HIGH
- LOW—MED
- LOW/MED—MED/HIGH
- LOW—MED
- LOW—MED
- LOW—MED
- LOW—MED

See page 9 for more information on Hu-Friedy’s SWERV® Magnetostriective Ultrasonic Scaling Unit.
STREAMLINE® INSERTS
Efficient at low to medium/high power settings

WATER DELIVERY:
INTERNAL FLOW FROM BASE OF TIP

Routine scaling is more efficient with our Streamline inserts, even at lower power settings. The water is delivered directly from the tip base, eliminating the need for an external water tube. The #3 Beavertail design is excellent for removal of gross calculus and orthodontic cement.

ORIGINAL PROPHY INSERTS
The Original Ultrasonic Insert

WATER DELIVERY:
EXTERNAL OR EXTERNAL FIXED

Designed for the removal of all types of debris. The standard diameter Prophy style tip is the original ultrasonic insert design, with a finely beveled external water delivery tube. The PLUS™ insert features a fixed water delivery tube in a lightweight resin handle.

See page 9 for more information on Hu-Friedy’s SWERV® Magnetostrictive Ultrasonic Scaling Unit.
AFTER FIVE® PLUS INSERTS
Thinner probe-like tip design

WATER DELIVERY:
EXTERNAL OR EXTERNAL FIXED

Reach deep into pockets and achieve efficient subgingival scaling with these thin tips, exclusively from Hu-Friedy. Probe-size tips (same tip design as the After Five inserts) enhance access into periodontal pockets.

Also available in metal handle.

POWER LEVEL
LOW–MED  LOW–MED  LOW–MED  LOW–MED
The SWERV³ magnetostrictive power scaler combines power and handling in a unique ergonomic design that ensures the comfort of dental patients and professionals. It integrates finely tuned electronics that improve control and scaling efficiency in all clinical indications.

**POINTS OF PERFORMANCE**

**SUPERIOR PATIENT & CLINICIAN COMFORT**
Finely tuned electronics provide a full range of power for outstanding results.

**ACCURATE POWER ADJUSTMENT**
Switching from low to medium/high power setting is easy with the color-coded dual power modes.

**EFFECTIVE DISINFECTION**
The smooth surface makes disinfection simple and easy.

**EFFORTLESS IDENTIFICATION OF SELECTED SETTING**
The color-coded, lighted display enhances vision and is easy to adjust with the touch of a button.

**MAINTAIN WATERLINES**
The auto-purge function helps remove air from waterlines and saves the clinician time between patients.

**SWERV³ PART-CODES**

<table>
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<tbody>
<tr>
<td>SWERV³ Series - 25K</td>
<td>UM3-25</td>
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HANDPIECE FEATURES

ERGONOMIC DESIGN
A lightweight, well-balanced design reduces clinician fatigue.

REDUCED MUSCLE STRAIN
Large diameter handpiece reduces finger pinching for increased clinical comfort.

COMFORT ZONE HANDPIECE
Enables use of a relaxed grasp that eliminates undesired pressure points.

PATENTED SWIVEL™ INSERTS
For unmatched durability and superior scaling efficacy.
INSTRUCTIONS FOR USE:

To increase the o-ring life of Hu-Friedy ultrasonic inserts and to prevent water flow from the tip after release of the foot control, take the following steps before placing the insert into the handpiece: Hold the handpiece upright over the sink, activate the foot control and flush the water line for 2 minutes. Fill entire handpiece with water. Gently twist the insert into the handpiece until completely seated.

Swivel™ and Swivel Direct Flow® inserts - To maintain a smooth swivel, activate the foot switch and rotate insert 2-3 times.

All thin inserts (#100 Swivel, #100 Swivel Direct Flow, #100 Streamline, Swivel XT™ 30k, After Five® inserts) should be used on LOW TO MEDIUM power settings only. Swivel XT 25kHz should be used on low power only.

Warning: Do not expose resin or silicone handled ultrasonic inserts to solutions containing phenols, gluteraldehydes, iodophors or to dry heat sterilization. Use steam sterilization (autoclave) only for Swivel™ and Swivel Direct Flow® inserts.

Detailed care and maintenance instructions are available upon request or go to Hu-Friedy.com.

APPLICATION CHART:

<table>
<thead>
<tr>
<th>Light to moderate deposits</th>
<th>#10 Universal</th>
<th>#100 Thin</th>
<th>#1000 Triple Bend</th>
<th>Swivel XT</th>
<th>#3 BeaverTail (Left, Straight, Right)</th>
<th>Original Prophy</th>
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REPLACEMENT OF WORN INSERTS | Actual Size Guide

Scaling efficiency can significantly diminish with worn insert tips. Inferior performance and poor water delivery can result from worn, damaged, bent or altered tips. For optimal scaling efficiency, we recommend checking inserts regularly for signs of wear.

OPTIMUM EFFICIENCY

1mm loss can result in
25% efficiency loss (reorder)

2mm loss can result in
50% efficiency loss (discard)
**CROSS REFERENCE GUIDE:**

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<th>DENTSPLY CAVITRON‡ INSERTS</th>
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<td>Set of 3*</td>
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<tr>
<td>Set of 3*</td>
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</table>

*Set of 3 includes a straight, right and left.

IMPORTANT NOTE: Hu-Friedy® and Dentsply® are competitors. This chart is not intended to suggest that the respective Dentsply® and Hu-Friedy® ultrasonic inserts are equivalent or comparable. Instead, this chart suggests an alternative Hu-Friedy brand ultrasonic insert based on the experience and recommendations of clinicians who have previously used the listed Dentsply inserts. ‡Dentsply, Cavitron, Slimline, Classic “P”, TFI, SLI and FSI are trademarks of DENTSPLY International, Inc.
Our special blend of stainless steel works in harmony with your generator’s ultrasonic energy to optimize vibration for superior scaling efficiency and unmatched durability. S-Series tips are compatible with Hu-Friedy’s Symmetry IQ®, Satelec and NSK generators. E-Series tips are compatible with all EMS generators.
AFTER FIVE DESIGNS

STRAIGHT, LEFT & RIGHT AFTER FIVE TIPS

These probe sized tips are designed to enhance access into periodontal pockets and improve adaptation in interproximal areas, allowing the clinician to more thoroughly debride difficult to reach areas to achieve better clinical results.

AFTER FIVE STRAIGHT
S-SERIES: USAFS
E-SERIES: not available

AFTER FIVE RIGHT
S-SERIES: USAFR
E-SERIES: not available

AFTER FIVE LEFT
S-SERIES: USAFL
E-SERIES: not available

Footnote: S-Series tips are compatible with Symmetry, Satelec/Acteon and NSK Piezo Generators. E-Series tips are compatible with EMS Piezo Generators.
**SYMOMETRY PIEZO SCALING TIPS**

**S10 UNIVERSAL**

**S-SERIES:** USS10  
**E-SERIES:** UES10  
Standard diameter tip used to remove heavy supragingival deposits.

**P UNIVERSAL**

**S-SERIES:** USP  
**E-SERIES:** UEP  
Standard diameter tip used to remove moderate to heavy deposits located supragingivally and in shallow pockets.

---

*See page 23 for more information on Hu-Friedy’s Symmetry IQ® Piezo Ultrasonic Scaling Units.*
P10 UNIVERSAL

S-SERIES: USP10  
E-SERIES: not available

Standard diameter tip used to remove light deposits and plaque. Tip features smooth edges for safe removal of soft and hard deposits.

100 UNIVERSAL

S-SERIES: US100  
E-SERIES: UE100

Probe-sized tip used to remove light deposits in shallow to moderate pockets and for periodontal maintenance.

Footnote: S-Series tips are compatible with Symmetry, Satelec/Acteon and NSK Piezo Generators.  
E-Series tips are compatible with EMS Piezo Generators.
**S-SERIES:** not available

**E-SERIES:** UE100M

Thin tip used to remove light deposits and plaque. Tip features smooth edges for safe removal of soft and hard deposits.

---

**S-SERIES:** not available

**E-SERIES:** UE100M

Thin tip used to remove light deposits and plaque. Tip features smooth edges for safe removal of soft and hard deposits.

---

**POWER LEVEL**

**MED**

**MED—MED/HIGH**

---

See page 23 for more information on Hu-Friedy’s Symmetry IQ® Piezo Ultrasonic Scaling Units.
LEFT PERIO

**S-SERIES:** US4L  
**E-SERIES:** not available

Standard diameter contra-angle tip used to remove calculus on all surfaces of premolars and molars, especially difficult to reach interproximal surfaces.

RIGHT PERIO

**S-SERIES:** US4R  
**E-SERIES:** not available

Standard diameter contra-angle tip used to remove calculus on all surfaces of premolars and molars, especially difficult to reach interproximal surfaces.

---

Footnote: S-Series tips are compatible with Symmetry, Satelec/Acteon and NSK Piezo Generators. E-Series tips are compatible with EMS Piezo Generators.
S-SERIES: US2LD
E-SERIES: UE2LD
Thin, contra-angle diamond-coated finishing instrument used for removal of residual debris and designed to enhance access to deep periodontal pockets and furcations.

LEFT DIAMOND
S-SERIES: US2LD
E-SERIES: UE2LD
Thin, contra-angle diamond-coated finishing instrument used for removal of residual debris and designed to enhance access to deep periodontal pockets and furcations.

3 PERIO
S-SERIES: USP3
E-SERIES: UEP3
Thin-bladed curette-like tip used to remove heavy deposits and necrotic cementum on anteriors and premolars.

POWER LEVEL
LOW
LOW

See page 23 for more information on Hu-Friedy’s Symmetry IQ® Piezo Ultrasonic Scaling Units.
RIGHT DIAMOND
S-SERIES: US2RD
E-SERIES: UE2RD
Thin, contra-angle diamond-coated finishing instrument used for removal of residual debris and designed to enhance access to deep periodontal pockets and furcations.

STRAIGHT DIAMOND
S-SERIES: US1D
E-SERIES: UE1D
Thin, straight diamond-coated finishing instrument used for removal of residual debris and designed to enhance access to deep periodontal pockets primarily in anterior areas.

Footnote: S-Series tips are compatible with Symmetry, Satelec/Acteon and NSK Piezo Generators.
E-Series tips are compatible with EMS Piezo Generators
Symmetry Piezo Tips come with the color-coded Guardian Tip Carrier—an innovative torque-limiting wrench/tip carrier designed for remarkably safe and easy connection to the handpiece.

THE EXCLUSIVE COLOR-CODED GUARDIAN WRENCH/TIP CARRIER* ENSURES PROPER POWER SETTING SELECTION FOR OPTIMAL TIP PERFORMANCE.

SAFE
Tip is recessed in the patented Guardian Tip Carrier to minimize the risk of injury when attaching the tip to the handpiece.

EASY
Simply twist the Guardian Tip Carrier clockwise until you hear the “click” sound to ensure the tip is securely attached to the handpiece.

CONVENIENT
Holds tip during cleaning and sterilization to prevent loss or damage to tip.
SCALING WRENCH/TIP CARRIER
Tips contained in an ORANGE wrench should be used primarily on medium to high power (in orange mode or scaling mode if applicable).

POWER LEVEL  HIGH

SCALING WRENCH/TIP CARRIER
Tips contained in a BLUE wrench should be used primarily on low to medium power (in blue mode or scaling mode if applicable).

POWER LEVEL  MED

PERIO WRENCH/TIP CARRIER
Tips contained in a GREEN wrench should be used primarily on low power (in green mode or perio mode if applicable).

POWER LEVEL  LOW

What type of Sterilization unit does your office use?
If a Statim 2000 unit is the only sterilizer in your office, you will need to order special shorter Hu-Friedy Guardian Wrenches to ensure compatibility with your sterilizer:

USRTWSG - Green, S-Series
USRTWSB - Blue, S-Series
UERTWSG - Green, E-Series
UERTWSB - Blue, E-Series

Note: Please order tips separately.

Refer to Power Setting Cross Reference on page 26 for equipment specific power settings.
*Color of the Guardian indicates equipment application mode (if applicable). Refer to your equipment for Scaling and Perio application mode.
Hu-Friedy’s Symmetry IQ® 4000 features a lightweight, ergonomically balanced handpiece, a self-contained, large-capacity irrigation supply allowing for portability and the use of medicaments and touch-pad controls with a memory feature for more efficient patient treatment.

**POINTS OF PERFORMANCE**

**ENSURE MORE PATIENT COMFORT**
Smooth circuitry and adjustable water flow allow for a better patient experience.

**SPEND MORE TIME ON PATIENT CARE**
Convenient memory feature allows for faster set-up time between patients.

**MAINTAIN THE DEVICE EFFICIENTLY**
Modular plug and play design provides convenient serviceability of unit and eliminates the cost and inconvenience associated with sending the unit out for repair.

**CLEAN SIMPLY AND THOROUGHLY**
The smooth surface simplifies infection control procedures and minimizes the risk of cross contamination.

**USE MEDICAMENTS & WATER EFFORTLESSLY**
Stand alone, large capacity (350 or 500mL) irrigation supply allows for increased portability and use of medicaments. Switch to city water with the touch of a button.

**SYMMEtery IQ PART CODES**

<table>
<thead>
<tr>
<th>Device Description</th>
<th>Part Code</th>
</tr>
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<tbody>
<tr>
<td>Symmetry IQ 3000 Device (no irrigation bottle)</td>
<td>UP3-120</td>
</tr>
<tr>
<td>Symmetry IQ 4000 Device</td>
<td>UP4-120</td>
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</tbody>
</table>
FIBER-OPTIC LIGHTING
Fiber-optic illumination reduces eye strain and enhances visibility.

LARGE DIAMETER, ERGONOMIC DESIGN
The large diameter ergonomic handpiece relaxes hand grasp for accuracy and control, eliminates pressure points and improves tactile sense.

LIGHTWEIGHT
The lightweight handle reduces muscle strain and hand fatigue, enhancing clinician comfort.
CARE & MAINTENANCE: PIEZOELECTRIC

CLEANING & STERILIZATION:

• Piezo tips remain in the Guardian Tip carrier during the complete cleaning, disinfection and sterilization reprocessing cycle.

• Clean using ultrasonic cleaner or thermodisinfector.

• Steam sterilize for at least 5 minutes at 273°F/134°C or 20 minutes at 250°F/121°C. Do not heat above 350°F/177°C.

• Clean, disinfect, inspect and and steam sterilize before each use following the respective equipment manufacturer’s users instructions.

• Do not expose to phenols, iodophors or dry heat sterilization.*

HU-FRIEDY ITEM CODE CROSS REFERENCE:

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REPLACEMENT OF WORN TIPS

Scaling efficiency can significantly diminish with worn insert tips. Inferior performance and poor water delivery can result from worn, damaged, bent or altered tips. For optimal scaling efficiency, we recommend checking inserts regularly for signs of wear.

APPLICATION CHART:

- **Light to moderate supragingival deposits**
  - 1mm loss can result in 25% efficiency loss (reorder)
  - 2mm loss can result in 50% efficiency loss (discard)

- **Heavy supragingival deposits**

- **Light to moderate deposits in shallow pockets**

- **Light to moderate deposits in deep periodontal pockets**

- **Moderate to heavy deposits in deep periodontal pockets**

- **Furcation areas**

*Detailed care and maintenance instructions are available upon request or go to Hu-Friedy.com*
### Power Settings Cross Reference:

<table>
<thead>
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<th>Power</th>
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