

DIRECTION FOR USE

Sonic handpiece Driver and Irrigator tips for use in endodontic treatment

Handpiece/Driver

Contra-angled design for easy access to posterior teeth

ON/OFF Switch

Battery Access Cap

Ergonomic, cordless, and battery-operated handpiece

Quick connect/disconnect, **colorcoded polymer Activators** for various procedures

1. INDICATIONS FOR USE

The Sonic Irrigator System is used in endodontic treatment by application of sonic energy. The Irrigator tips are used in conjunction with the Handpiece/Driver to provide the energy for tip oscillation and vibration. Evidence based endodontics has shown that cavitation and acousitic streamling improve debridement and the disruption of the smear layer and biofilm. Activated fluids promote deep cleaning and disinfection into lateral canals, fins, webs, and anastomoses. A cleaned root canal system facilitates 3-D obturation and long-term success.

2. WARNING

Do not submerge unit in water.

Do not autoclave unit.

3. PRECAUTIONS

The Sonic Irrigator System is only to be used by dental professionals.

The Sonic Irrigator System is comprised of the handpiece and Irrigator tips of various sizes.

The system functions as intended when the original component parts are used together. With the use of non-original components, serious consequences may result. The original components include the Sonic Irrigator handpiece, the Irrigator tip and protective battery.

The reference numbers of the Irrigator tips include: 15/02 (Small), 25/04 (Medium), 35/04 (Large).

The handpiece provides 3-speed sonic motor options (High, Medium, Low). The power settings used are ultimately determined by the procedure to be performed, the clinician's experience, and the power needed to efficiently complete the clinical task.

The Sonic Irrigator handpiece does not require calibration for normal use.

All endodontic procedures should be performed with an Sonic Irrigator protective barrier sleeve placed over the handpiece.

The Irrigator tips should be disinfected before use, or contamination of the root canal may result.

Proper use of the Sonic Irrigator System is required to prevent harm or hazard to the patient.

Improper handling of the Sonic handpiece may result in breaking the distal or proximal ends of the rocker arm.

Irrigator tips and protective barriers are intended for single-patient use only. Cross contamination may occur to the patient if tips and barriers are re-used.

Proper disposal of Irrigator tips and protective barriers is required in accordance with local laws and regulations.

Proper disposal of the battery when the battery is depleted is required in accordance with local laws and regulations.

The handpiece must be repaired as necessary under the direction of the manufacturer.

Proper disposal of the handpiece when the handpiece is deemed non-functional is required in accordance with local laws and regulations.

Removal of the battery is recommended when the handpiece is not to be used for an extended period of time.

The handpiece should be stored away from strong electromagnetic equipment as it may affect handpiece performance.

The handpiece should be stored away from portable or mobile RF communications equipment as it may affect handpiece performance.

The handpiece should not be used adjacent to or stacked with other equipment. Additionally, it should be checked for normal operating functions on a regular basis.

4. STEP BY STEP INSTRUCTIONS

Prepare canal to produce a fully tapered shape.

Fill pulp chamber with NaOCl, EDTA, or other final rinse solution.

Select the Irrigator tip that manually fits loosely within 2mm of working length.

Place the barrier sleeve over the complete length of the handpiece.

Attach the Irrigator tip over the barrier-protected handpiece. The Irrigator should snap on firmly, promoting a secure connection with the handpiece.

Place the attached Irrigator tip into the prepared root canal.

Depress the ON/OFF switch to activate. Note: Switch defaults to high speed upon activation.

Depress the 3-speed switch to select medium speed or low speed.

Use a pumping action to move the handpiece/ irrigator in short 2-3mm vertical strokes.

Hydrodynamically agitate the intracanal solution for 30-30 seconds.

Irrigate, then use intracanal suction to eliminate loose debris.

Repeat the above steps for each intracanal irrigant used.

When the clinical procedure has been completed, remove the attached tip by grasping the large circular clean guard portion of the connected Irrigator with fingers and snap off. Pull the Irrigator off the handpiece by firmly supporting the contra-angled neck of the handpiece. Next, remove the barrier sleeve and discard. Irrigator tips and protective barrier sleeves are intended for single-patient use only.

4.1 IRRIGATOR TIPS REMOVAL Firmly support the head of the handpiece with your thumb while grasping the white, circular, flange portion of the Irrigator tip with opposite thumb and forefinger.

Use your thumb to maintain support of the handpiece and pull the Irrigator tip STRAIGHT off. Keep the handpiece head and Irrigator tip aligned during the removal process.

The Irrigator tip snaps ON/OFF in exactly the same alignment. NEVER use a clockwise or counterclockwise motion to removal a Tip. NEVER twist, turn or torque the tip when removing.

4.2 BATTERY REPLACEMENT

The Sonic Irrigator handpiece comes with one (1) "AA" alkaline battery.

To remove the battery housing, firmly grasp the contra-angled portion of the handpiece with one hand and begin turning the non-removable, screw knob counterclockwise with your other hand. Rotate the screw knob counterclockwise to progressively disengage the battery housing and remove it from the handpiece. Replace with a high quality lithium battery.

To close compartment, slide housing over the new battery and position the Sonic Irrigator as pictured above. ALIGN the orientational tracks within the grooves, and turn the screw knob clockwise until snug.

4.3 DISINFECTION

For infection control, select the appropriately sized Sonic Irrigator tip and remove it from the plastic package. The Irrigator tip should be cleaned and disinfected, with a gauze moistened with a disinfecting solution such as sodium hypochlorite. IMPORTANTLY, the Irrigator tips are intended for single patient use only.

Use a barrier sleeve over the entire handpiece. Upon removing the barrier sleeve, the outer surface of the handpiece may be swiped down with a mild detergent or disinfection solution. DO NOT submerge the handpiece in any disinfection solution or autoclave. Never over-saturate the handpiece within any disinfection solution.

Special note: If the product is not going to be used for an extended period of time (two weeks or longer), the battery should be removed.

PRODUCT FEATURES

Irrigator Tips

Easy snap-on/snap-off design.

Strong, flexible, medical-grade polymer composition.

Color-coded by size

Handpiece/Drive

Contra-angled design for easy access to posterior teeth.

3-speed sonic motor provides options of 4,000, 6,000 and 10,000 cpm.

Ergonomic, coreless, and battery-operated handpiece.

TECHNIQUE SEQUENCE

Prepare canal to produce a fully tapered shape.

Fill pulp chamber with NaOCL, EDTA, or other final rinse solution.

Select the Irrigator that manually fits loosely within 2mm of working length.

Place the barrier sleeve over the Driver to protect the entire handpiece.

Attach the Irrigator over the barrier-protective Driver.

Place the attached Irrigator tip into the prepared root canal.

Depress the on/off switch to activate solution

(Note: Switch defaults to 100,000 cpm, as indicated for cleaning procedures)

Use a pumping action to move the Irrigator in short, 2-3mm vertical strokes.

Hydrodynamically agitate the intracanal solution for 30-60 seconds.

Irrigate, then use intracanal suction to eliminate loose debris.

Repeat the above steps for each intracanal irrigant used.

ENDO ACTIVATOR

Safe Effective Simple

PRODUCT FEATURES:

Tips:

Easy snap-on/snap-off design.

Strong, flexible, medical-grade polymer composition

Color-coded by size

22mm lengths with depth gauge rings at 18, 19, and 20mm

Handpiece/Driver

Contra-angled design for easy access to posterior teeth.

3-speed sonic motor provides options of 2.000, 6.000 and 10.000 cpm.

Ergonomic, cordless, and battery-operated handpiece

TECHNIQUE SEQUENCE:

Prepare canal to produce a fully tapered shape.

Fill pulp chamber with NaOCl, EDTA, or other final rinse solution.

Select the Activator that manually fits loosely within 2 mm of working length.

Place the barrier sleeve over the Driver to protect the entire handpiece.

Attach the Activator over the barrier-protected Driver.

Place the attached Activator tip into the prepared root canal.

Depress the on/off switch to activate solution

(Note: Switch defaults to 10.000 cpm, as indicated on cleaning procedures)

Use a pumping action to move the Activator in short, 2-3mm vertical strokes.

Hydrodynamically agitate the intracanal solution for 30-60 seconds.

Irrigate, then use intracanal suction to eliminate loose debris/

Repeat the above steps for each intracanal irrigant used.

Sequence for cleaning root canal systems.

For other applications, see Directions For Use.

Proper disposal of Irrigator tips and protective barriers is required in accordance with local laws and regulations.

Proper disposal of the battery when the battery is depleted is required in accordance with local laws and regulations.

The handpiece must be repaired as necessary under the direction of the manufacturer.

Proper disposal of the handpiece when the handpiece is deemed non-functional is required in accordance with local laws and regulations.

Removal of the battery is recommended when the handpiece is not to be used for an extended period of time.

The handpiece should be stored away from strong electromagnetic equipment as it may affect handpiece performance.

The handpiece should be stored away from portable and mobile RF communications equipment as it may affect handpiece performance.

The handpiece should not be used adjacent to or stacked with other equipment. Additionally, it should be checked for normal operating functions on a regular basis.

4.STEP BY STEP INSTRUCTIONS

. Prepare canal to produce a fully tapered shape

- Fill pulp chamber with NaOCl, EDTA, or other final rinse solution

Select the Irrigator tip that manually fits loosely within 2 mm of working length

Place the barrier sleeve over the complete length of the **handpiece**

Attach the Irrigator tip over the barrier-protected handpiece. The irrigator should snap on firmly, promoting a secure connection with the handpiece

Place the attached Irrigator tip into the prepared root canal

Depress the ON/OFF switch to activate. Note: Switch defaults to high speed upon activation.

Depress the 3-speed switch to select medium speed or low speed

Use a pumping action to move the handpiece/irrigator in short 2-3mm vertical **strokes**

Hydrodynamically agitate the intracanal solution for 30-30 seconds

Irrigate, then use intracanal suction to eliminate loose debris

Repeat the above steps for each **intracanal irrigant** used

When the clinical procedure has been completed, remove the attached tip by grasping the large circular clean guard portion of the connected Irrigator with fingers and snap off.

Pull the Irrigator off the handpiece by firmly supporting the handpiece. Next remove the barrier sleeve and discard. Irrigator tips and protective barrier sleeves are intended for single-patient use only.

4.1 IRRIGATOR TIP REMOVAL

- Firmly support the head of the handpiece with your thumb while grasping the white, circular, flange portion of the Irrigator tip with opposite thumb and forefinger.

Use your thumb to maintain support of the handpiece and pull the Irrigator tip STRAIGHT off. Keep the handpiece head and Irrigator tip aligned during the removal process.

The Irrigator tip snaps ON/OFF in exactly the same alignment. Never use a clockwise or counterclockwise motion to remove a Tip. NEVER twist, turn or torque the tip when removing.

4.2 BATTERY REPLACEMENT

The Sonic Irrigator handpiece comes with one(1)"AA"alkaline battery.

To remove the battery housing, firmly grasp the contra-angled portion of the handpiece with one hand and begin turning the non-removable, screw knob counterclockwise with your other hand.

Rotate the screw knob counterclockwise to progressively disengage the battery housing and remove it from the handpiece. Replace with a high quality lithium battery.

To close compartment, slide housing over the new battery and position the Sonic Irrigator as pictured above. ALIGN the orientational tracks within the grooves, and turn the screw knob clockwise until snug.

4.3 DISINFECTION

For infection control, select the appropriately sized Sonic Irrigator tip and remove it from the plastic package. The Irrigator tip should be cleaned and disinfected, with a gauze moistened with a disinfecting solution such as sodium hypochlorite.

IMPORTANTLY, the Irrigator Tips are intended for single patient use only.

Use a barrier sleeve over the entire handpiece. Upon removing the barrier sleeve, the outer surface of the handpiece may be wiped down with a mild detergent or disinfecting solution.

DO NOT submerge the handpiece in any disinfecting solution or autoclave. Never over-saturate the handpiece with any disinfecting solution.

special note: if the product is not going to be used for an extended period of time (two weeks or longer) the battery should be removed.

PRODUCT FEATURES

Irrigator Tips

- Easy snap-on/snap-off design
- Strong,flexible,medical-grade polymer composition
- Color-coded by size

Handpiece/Driver

- Contra-angled design for easy access to posterior teeth
- 3-speed sonic motor provides options of 4.000,6.000 and 10.000 cpm
- Ergonomic, cordless,and battery-operated handpiece

TECHNIQUE SEQUENCE

- Prepare canal to produce a fully tapered shape

- Fill pulp chamber with NaOCL, EDTA, or other final rinse solution
- Select the Irrigator that manually fits loosely within 2 mm of working length
- Place the barrier sleeve over the Driver to protect the entire handpiece
- Attach the Irrigator over the barrier-protected Driver
- Place the attached Irrigator tip into the prepared root canal
- Depress the on/off switch to activate solution

(Note: Switch defaults to 10.000 cpm, as indicated for cleaning procedures)

Use a pumping action to move the Irrigator in short, 2-3 mm vertical strokes

Hydrodynamically agitate the intracanal solution for 30-60 seconds

Irrigate, then use intracanal suction to eliminate loose debris

Repeat the above steps for each intracanal irrigant used