

## User Manual | Soft-Core® Endodontic Heater and Obturators



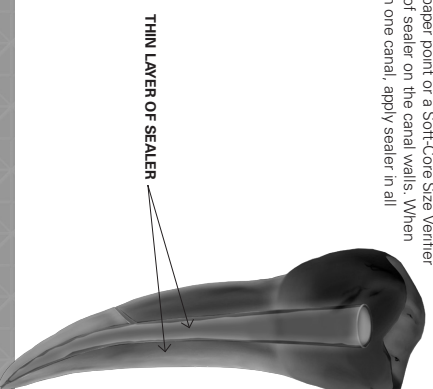
## » 2: Heating of the obturator

The selected obturator in the Soft-Core heater and activate the heater. For more information on how to use the heater, please see section 1 of this manual.



## » 3: Application of sealer

The obturator is heating, mix any heat resistant sealer with long curing time (a non-eugenol sealer is recommended). Make sure that the obturator is completely dry, before applying sealer. Place a very thin layer on the wall of the canal. Too much sealer is neither desirable nor necessary. Utilize a paper point or a Soft-Core Size Verifier to apply a thin layer of sealer on the canal walls. When applying more than one canal, apply sealer in all canals at once.



## STEP 4: Insertion of the obturator into the canal

When the oven indicates that the obturator is ready for use, the obturator may be removed from the heater.

Immediately insert the obturator into the canal to the working distance, without twisting the handle, and while using a firm and steady pressure.

**Important:** The obturator should be inserted to the full working length.

## STEP 5: Removal of the handle, excess central core and gutta percha

The handle, excess core and gutta percha may be removed once the gutta percha has hardened.

**1.** For canals less than 18mm: Twist the handle and plastic core to one side to break off the excess.

**2.** For all Canals: Stabilize the plastic core with a finger or cotton pliers, and cut away the handle and excess plastic core with a small inverted cone bur.

**Important:** Be careful to prevent vertical movement of the core to minimize the chance of disturbing the apical seal. Trim away the extra gutta percha using an endo excavator or similar instrument.



# Section 1

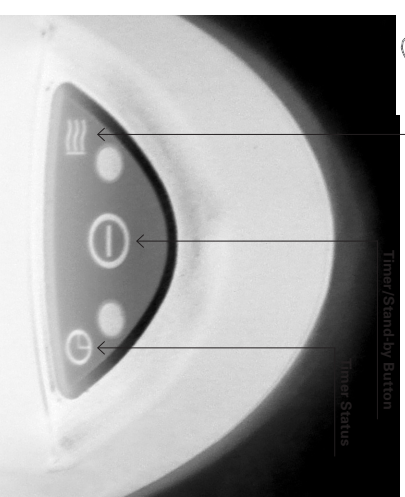
## Technical Specifications

The Soft-Core Heater is intended to be used in heating Soft-Core obturators. The heater should not be used for any other purpose.

Unit Power	100-240V AC, 50/60 Hz
Power Supply	9V DC, 1.7A
Power Consumption (120V)	43.2 w
Operating Temperature	110 (degree) C
Warranty	All Soft-Core Obturators 1 year



Temperature Status



## Product Precautions

Read this entire manual before use

- This product should only be used in accordance with directions in this manual. Use of this product for any other purpose, will void the warranty and may cause serious harm to people or property.
- Do not allow any persons to use this equipment without trained supervision.
- Do not reach inside the oven chamber while unit is plugged in or until after unit has cooled.
- Remove any obturator or gutta percha that is in contact with heater chamber walls or heating elements.
- Disinfect heater and sterilize obturator rest after each procedure.
- Do not immerse unit in water or spray any liquid into heating chamber.
- Do not allow obturators to warm in oven for more than 30 minutes.
- Do not leave plugged in unit unattended.
- Do not attempt to service unit. Heaters should only be serviced by an authorized Soft-Core distributor.

## Pre-heating the Heater

1. Connect the power supply to the oven's DC inlet and an electrical outlet.
2. When the unit is plugged in the oven temperature status will be red and timer light will be green.
3. Once the heater is pre-heated, it will chirp and the temperature status light will turn green. Pre-heating time should be no more than 15 minutes.

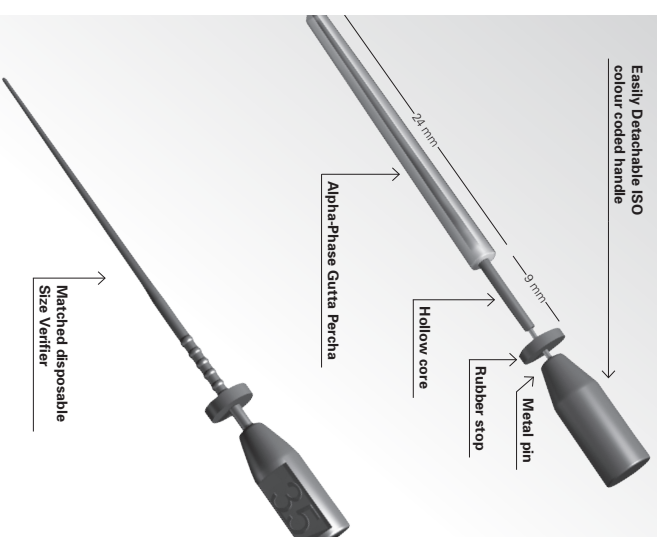
**NOTE:** When the oven is used for the first time, it may have a slight scent during the first use. This will not affect heater performance.

## Stand-By Feature

To place the heater in stand-by mode, hold down the timer/stand-by button for 3 seconds. The heater will then go on stand-by and the heating elements will turn off. To re-activate the heater, if the heater is in stand-by, hold down the timer/stand-by button for 3 seconds and the heating cycle will begin.

## Soft-Core Endodontic Obturator

Core Endodontic Obturator is a core of biocompatible plastic, sized according to ISO standards sizes 20 to 60, coated with thermoplastic gutta. The obturator sizes correspond to the ISO standards of root canal single obturator. It is all that is needed to totally obturate a root canal. It will always be a perfectly placed root canal filling with a tight seal.



A Soft-Core Endodontic Obturator consists of three parts:

### 1. Plastic handle with a metal insertion pin

The injection molded plastic handle is color-coded according to the size of the obturator. The stainless steel insertion pin is 9 mm long, and is permanently attached to the plastic handle. The hollow portion of the plastic core surrounds 6 mm of the pin.

### 2. Outer layer of thermoplastic Natural GP™ gutta percha

The gutta percha is reversible thermoplastic. This means that it becomes soft and highly adhesive when heated to temperatures above approx. 100°C. When cooled it returns to a firm rigid state. Another heating will once again make the gutta percha soft and adhesive.

### 3. Plastic core with endo stop

The tapered plastic core is sufficiently flexible to negotiate curved canals.

The Soft-Core plastic core is slightly oval-shaped. This secures adequate backflow of the heated gutta percha. The length of the core is 24 mm. The coronal 6 mm of the core is hollow to accommodate the metal insertion pin. A rubber endo stop is provided to indicate the working distance measurement. The plastic core and gutta percha are radiopaque.