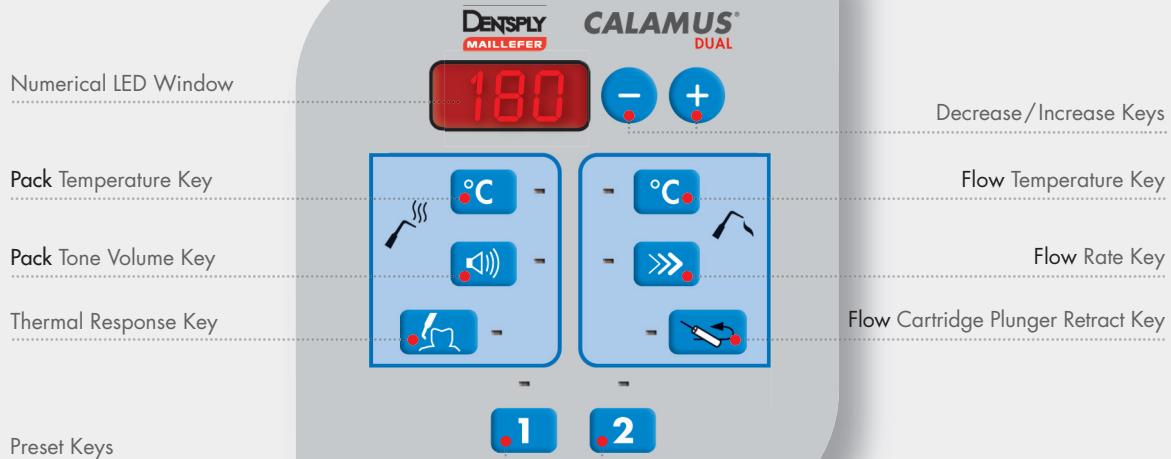


# CALAMUS<sup>®</sup>



## DUAL - SEQUENCE CARD



### TO STORE TEMPERATURE, VOLUME AND FLOW RATE SETTINGS

To store your new settings, press either preset key and hold until the preset LED lights (after approximately two seconds).

# CALAMUS®

## DUAL - OBTURATION TECHNIQUE

### PACK - DOWNPACK

- 1 Activate the Calamus® Pack electric heat plugger and sear off the master cone at the level of the orifice.
- 2 Select the larger manual plugger and step its working end around the circumference of the canal using short, firm strokes to move gutta percha apically, clean the canal walls and flatten the material.
- 3 Use this larger manual plugger and press for five seconds to compact warm gutta-percha vertically and laterally into this region of the root canal system (first wave of condensation).
- 4 Activate the electric heated plugger and, in one deliberate and continuous motion, press the heated plugger through the thermo softened gutta-percha until the silicone stop is 2 mm from the reference point. This procedure must be limited to two to four seconds to prevent thermal injury.
- 5 Deactivate the plugger and continue to maintain firm apical pressure on the cooling instrument until the silicone stop reaches the reference point.
- 6 Maintain firm apical pressure for ten seconds to compact the mass of warm gutta-percha into the apical one-third of the root canal system and to offset shrinkage during the cooling phase.
- 7 Activate the electric heated plugger for one second, then deactivate and remove the plugger from the root canal using a back and forth motion. This procedure separates and removes gutta-percha from the coronal two-thirds of the canal without disturbing the gutta-percha in the apical one-third.
- 8 Select the small manual plugger and step its working end around the circumference of the canal using short, firm strokes to clean the canal walls and re-condense the most coronal aspect of the gutta-percha within the apical onethird.

### FLOW - BACKFILL

- 1 Position the tip of the warm Calamus® Flow cannula against the previously packed filling material for 5 seconds.
- 2 Press the activation cuff on the Calamus® Flow handpiece and dispense a small (a few millimeters) segment of warm gutta-percha into this region of the canal. Hold the handpiece lightly so it will back out of the canal during use.
- 3 Select the smaller manual plugger and step its working end circumferentially around the canal using short, firm strokes to clean the canal walls and flatten the dispensed warm gutta-percha.
- 4 Use the same small manual plugger and press for five seconds to three-dimensionally compact warm gutta-percha into this region of the canal and to offset shrinkage during the cooling phase.
- 5 Position the tip of the warm cannula against the previously packed filling material for five seconds.
- 6 Press the activation cuff on the Calamus® Flow handpiece and dispense a few more millimeters of warm gutta-percha into this region of the canal.
- 7 Select the medium size manual plugger and step its working end circumferentially around the canal using short, firm strokes to clean the canal walls and flatten the dispensed warm gutta-percha.
- 8 Use the same medium size manual plugger and press for five seconds to three-dimensionally compact warm gutta-percha into this region of the canal and to offset shrinkage during the cooling phase.
- 9 Continue the backfilling technique, in the manner described, until the canal is completely filled or stop at any point to accommodate a post to facilitate the restorative needs.



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Manufactured by: Aseptico Inc., Woodinville, WA 98072, USA

Distributed by: Dentsply Maillefer  Advena Ltd. Hereford, HR4 9DQ, UK

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Dentsply Maillefer • CH-1338 Ballaigues • Switzerland • [www.dentsplymailefer.com](http://www.dentsplymailefer.com)

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