



HEAT SETTING OVEN

MODEL HSO-250

- Provides cost-effective heat setting for extended periods
- Capable of housing multiple balloon catheters for increased production throughput
- Simple setup, compact design and easy to operate



FIGURE 1

DESCRIPTION

Heat setting wrapped balloons at too high a temperature, such as those used for balloon forming, can lead to shrinkage and changes in mechanical properties. Heat setting at lower temperatures over too short a time has limited impact. The Interface Catheter Solutions HSO-250 Heat Setting Oven provides a cost-effective approach to improve fold memory retention after balloon fluting and wrapping by using lower temperatures over an extended time. One key use is to reduce the wrapped balloon profile by minimizing relaxation of folds after unsheathing prior to stent crimping to improve this production process. The HSO-250 has multiple chambers 21.6" x 6.8" x 6.0" for heat treatment of folded, wrapped balloon catheters. Each heat chamber has a tapered guide at the back for mandrel insertion that will keep the sheathed balloon centered to prevent bending and to eliminate direct contact. The heat chambers have precise and uniform temperature control. The heater remains on and maintains the set temperature for consistent results and reduced cycle times. The HSO-250 incorporates both an audible and visual alarm to alert when the heat setting process has been completed. The HSO-250 is simple to operate for repeatable results.

HOW IT WORKS

The HSO-250 is easy to use. The equipment is powered on by the power switch in back of the enclosure. Select the desired heat setting temperature through the controller and set the desired time through the timer. The heater maintains the set temperature throughout each cycle. Insert the sheathed wrapped balloons with mandrels inserted into the chambers until they reach the tapered insert at the back of each chamber. Press the Start button to begin the timer. The alarm is audible and will flash to alert the operator when the process is completed. Press the Alarm Off button to turn off the alarm and to reset the timer.

TECHNICAL SPECIFICATION

HPT-1000

Dimensions	21.6" x 6.8" x 6.0" 549 mm x 173 mm x 152 mm
Power Options	Part # 721001-01 (110V) Part # 721001-02 (220V)
Temperature Setting Range	110V – 116°C (240°F) 220V – 140°C (284°F)
Temperature Accuracy	2°F, 1°C
Timer Range	99:99 (Min/Sec)
Front Panel	Chamber length 125 mm Diameter* up to 0.14" (3.5 mm) 28 chambers
Side Panel	Chamber length 250 mm Diameter* up to 0.14" (3.5 mm) 8 chambers

*Diameter for sheathed, wrapped balloons