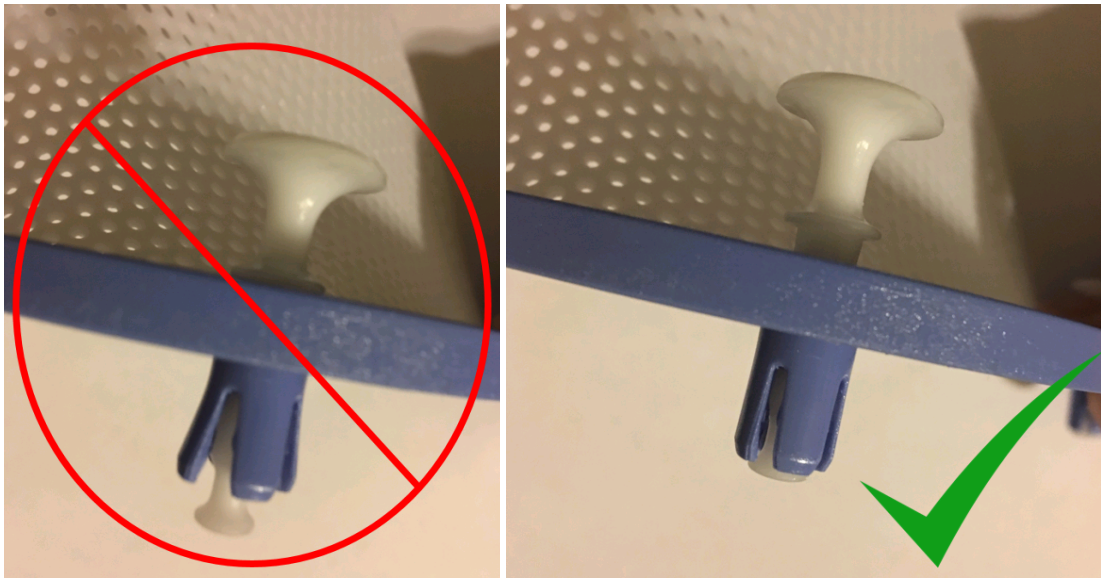




INNOVATIVE ONCOLOGY
SOLUTIONS

Indications For Use: IOS S-Type and U-Frame Claustrophobic Thermoplastic Masks

1. Ensure the water bath is set to the optimal water bath temperature for IOS masks of **149-158 degrees Fahrenheit**. Do not exceed 170-degrees.
2. Lay a clean towel on an easily accessible work bench close to the water bath.
3. Prepare ice packs or cooling mitts, if applicable.
**** Note:** Ice packs and cooling mitts are optional and will speed up the set time of the masks.
4. Position the patient on the appropriate base plate.
5. Insert the pins into the mask (S-Type only), pressing the pins into the frame and then ensuring they are retracted to prepare for baseplate coupling.
**** Note:** If the pins are not fully retracted in the frame prior to docking, the mask will not dock and the pin spreaders may sustain damage.



6. Place the mask into the water bath. For HN&S masks, ensure that ample water is in the water bath to submerge the mask without needing to wedge the mask in the bottom of the bath. **Allow 3:30 minutes of soak time for optimal performance.**

**** Note:** IOS masks are treated with a non-stick coating to prevent them from sticking to most materials; however, if the mask is wedged in the bottom of the bath then adhesion of the bottom of the mask to the side of the water bath could occur.

**** Note:** If the claustrophobic masks are not left in the water bath for the prescribed time, the eye and mouth openings will become too large, possibly destabilizing the mask.
7. Remove the mask from the water bath, place it onto the towel and pat dry. Rotate the mask and repeat the process to ensure excess water is removed. Work swiftly, as IOS masks



are designed to cure quickly to reduce time required for simulation. For optimal performance, the in-air time of the masks should be limited to approximately 15 seconds.

8. Applying the mask. Begin by targeting the patient's eyes with the mask's eye openings, then align the mouth opening with the patient's philtrum. Note that the mouth opening may not fall precisely on the philtrum depending on the patient's head geometry. It is important to ensure that the mouth opening remains inferior to the patient's nose and does not encapsulate it. Dock and mold the mask over the patient's contours to try and incorporate as many rigid body structures as possible (nose, chin, cheeks, neck, shoulders, etc). Continue molding until the mask holds its shape on the patient.
9. Cool the mask. As with all thermoplastic masks, the longer the mask is left on the patient, the less it will shrink. Optimally, the mask would be cooled for 10-15 minutes without the use of cooling techniques, and 8-10 minutes with the use of ice packs and cooling mitts.
10. Remove the mask from the patient and store in an appropriate cool storage area away from direct sunlight.

**** Note: The pins in all IOS S-Type masks are slightly elongated, designed to lock securely into the baseplate channel. For expedited removal of the mask, it is suggested that the mask be removed vertically off of the patient rather than at an angle to avoid the pins hanging in the baseplate docking channel.**