Simulaids

CPR PREMIE
CPR CATHY
CPR BONNIE
CPR BILLY
CPR TIMMY

Instructions for use, care and maintenance

...Serving Emergency Life Support for over 30 years

FEATURES: Your manikin is designed to assist in the training and practice of CPR.

VENTILATION: The lung will inflate and the chest will rise when mouth-to-mouth, bag-valve-mask or mechanical ventilation is properly performed.

EXTERNAL CARDIAC COMPRESSION: the manikins feature the important anatomical landmarks necessary to effectively teach and practice external cardiac compression. These include the rib cage, jugular notch, sternum and the xiphoid process. Pressure on the chest will depress the "heart" and may be monitored by using the ELECTRONIC CONSOLE, which is a key component of the Complete Models.

PREPARATION FOR USE: Your manikin is essentially ready for use directly out of the carton.

NOTE: IF MANIKIN IS STORED IN LOW TEMPERATURES ALLOW IT TO WARM UP TO ROOM TEMPERATURE BE-FORE USING.

TO FILL WITH AIR: Your manikin may deflate during shipment or due to leakage over time to re-inflate:

Slip tubing from black air pump over metal valve on manikin's foot.

Turn valve counterclockwise to open.

Pump bulb until desired firmness is reached.

Turn valve clockwise to reseal.

CAUTION: *<u>DO NOT OVER INFLATE</u> THIS MAY CAUSE MALFUNCTION OF THE SWITCHING MECHANISM IN THE ELECTRONIC MODELS AS WELL AS DIFFICULTY IN COMPRESSION IN ALL MODELS. REPAIR OR REPLACE-MENT COSTS DUE TO DAMAGE BY OVER INFLATION ARE NOT COVERED BY OUR WARRANTY.*

NOTE: *<u>DO NOT OVER INFLATE.</u> A good indicator of proper inflation in the TIMMY model is to place the manikin on a table and depress the leg at the knee with the heel of your hand. Proper inflation will cause the manikin's heel to rise from the tabletop approximately 1 ½ to 2". If less the an 1 ½ " more air is needed. If more then 2" air must be expelled.*

TO FILL TIMMY WITH WATER: NOTE: MAKE SURE ALL ELECTRONICS HAVE BEEN DISCONNECTED PRIOR TO FILLING. To simulate realistic weight and to use in water rescue and safety training (for electronic models only):

Place 2 red or clear caps which are provided into the ports on the left foot of the manikin (white and blue color coded). The ventilation port has a permanently attached cap. This is to prevent water from flowing into the internal parts of the manikin.

(For all Timmys) open the aqua drain on the foot to fill with water.

Make sure metal inflation valve is in the closed position.

Remove caps from red, white and blue ports on electronic models.

TO DRAIN WATER FROM MANIKIN: <u>IMPORTANT</u> Water must be drained every seven (7) days to prevent microbiologic growth inside the manikin. Generally the manikin should not be stored filled with water especially if stored in extreme temperatures.

Place manikin's feet into a sink and open metal valve and aqua-drain.

Let manikin drain for 30 minutes.

Gently press the manikin's chest until water stops flowing.

Let manikin drain for an addition 30 minutes.

Inflate manikin with air for storage.

COMPLETE MODELS WITH ELECTRONICS PREPARATION FOR USE:

Connect blue tube extending from console to blue port on bottom of left foot (left side on the Premie Model).

Connect white bulb and clear plastic tube to white port on bottom of the left foot (left side on the Premie Model).

Connect red tube extending from console to red port on bottom of right foot (right side on the Premie Model).

Connect male jack on wafer switch from the manikin to the female jack on the console.

FUNCTIONS OF THE ELECTRONIC CONSOLE

EXTERNAL CARDIAC COMPRESSION:

CARDIAC COMPRESSIONS: A wafer switch is attached to the sternum with Velcro. Pressure on the wafer switch activates a sensor to indicate correct finger/hand placement for compression. A switch inside the console activates another sensor to indicate correct depth of compression (½ – 1" for Infants and 1 – 1 ½" for Child). If the chest is over compressed an additional plunger below the sternum activates another sensor.

LUNG VENTILATION: gentle puffs of air entering the lung will cause a discernible rise of the chest.

BILLY, CATHY, BONNIE, PREMIE

TO FILL WITH WATER:

1. Hold manikin upside down.
2. **For electronic models only**: Place 2 red or clear caps (provided) into the white (pulse) and blue (compression) ports of the manikin. The red (ventilation) port has a permanently attached cap to use to close the port. This is to prevent water from flowing into the internal components of the manikin.
3. Open both metal valves located at the bottom of each foot.
4. Attach hose from faucet to metal valve on the bottom of left foot.
5. Fill with warm water until water begins to flow from the valve on the right foot.
6. Shut off flow of water.
7. Remove hose from valve on left foot.
8. Gently squeeze air from manikin until water flows from left valve.
9. Hold and close valve tightly.

<u>TO DRAIN WATER FROM MANIKIN</u>:

1. Place manikin's feet into sink and open both metal valves.
2. Let drain 30 minutes or until all water has drained out. **For electronic models only**: Gently press chest of manikin repeatedly until water stops flowing. Let drain additional 30 min. Remove plugs from color coded ports.
3. Inflate with air for storage (all models).
4. After use: The manikin should be washed with warm, soapy water, rinsed well, dried, and lightly dusted with baby powder.

WATER MUST BE DRAINED FROM MANIKIN EVERY SEVEN (7) DAYS TO PREVENT MICROBIOLOGIC GROWTH INSIDE MANIKIN. WHEN STORING MANIKIN, PLEASE FILL WITH AIR.

SENSORS AND LIGHT SIGNALS: Sensors located within the manikin or the console indicate:
Correct finger placement for cardiac compression activates blue light.
Correct depth of chest compression activates white light.
Correct lung ventilation activates green light.
Over compression of chest activates red light and audio signal.
Over ventilation of the lung activate red light and audio signal.
Note: Using the toggle switch on the console will deactivate the audio signal.

<u>NOTE:</u> MAKE SURE ALL ELECTRONICS HAVE BEEN DIS-CONNECTED PRIOR TO STORING.

ADDITIONAL FEATURES: The Infant electronic manikin feature a palpable Brachial Pulse, which may be activated by gently compressing the bulb attached to the tubing connected to the left foot of the manikin. A Carotid Pulse is a feature of the CPR TIMMYä II only, and is activated when the bulb attached to the tubing is connected to the left foot of the manikin and is gently compressed. All Simulaids' Infant and Child manikins are air filled for easy carrying and handling during transport.

POWER SUPPLY: The manikin console box contains four AA batteries. To replace weak batteries remove the panel from the back of the console and discard the old batteries. Insert new batteries in the proper polarity (+ or -) direction and replace panel. Should lights fail to flash generally either the batteries are dead or have become disconnected. Check to make certain that they are in correct position and that contact is being made. If a bulb ever fails return the console to us for a free bulb replacement.

CARE AND MAINTENANCE

DISINFECTING BETWEEN STUDENTS: The face should be disinfected as per CDC protocols.

CLEANING AND DISINFECTING AFTER TRAINING SESSION: The manikins are rugged and designed so that effective flow through cleaning and sanitizing can be done simply and without disassembly. AFTER USE: The manikin should be washed with warm soapy water, rinsed well and dried. The face should receive additional cleansing attention as indicated below:

Detach all external tubes and attachments and discard disposable lung. Non-re-breathing valve on CPR Timmy may be disinfected or replaced.

Gently scrub manikin with warm soapy water. The face should be disinfected as per CDC protocols.

On electronic models open the permanently attached cap on the bottom of the manikin's right foot (right side on Premie II0. Basic models do not have foot or side ports only mouth and chest.
Fill bulb syringe (which is provided with the manikin) with warm soapy water. Insert syringe nozzle into chest opening (port). Force soapy water through manikin by squeezing syringe. Liquid will drain form port in foot and or mouth (side of Premie I).
Remove syringe and hold chest port firmly against a funning sink faucet. This will completely flush inside of airway and lung tube.
After 10 minutes repeat step 5.
Carefully dry all parts. If water is allowed to remain microbiologic growth can occur. Because it is difficult to thoroughly dry the air-way and lung tube pour in a mixture of one part alcohol to five parts of water: drain then shake manikin dry. It may be necessary to hand the manikin by its feet for a short time in order to permit it to drain through its mouth and chest.
Reattach external tubes. Plug in new lung to new non-re-breathing valve on CPR Timmy.

REPLACEMENT ACCESSORIES:
No. 2018 Lungs for all Infant Models (dozen)
No. 2019 Lungs for CPR Timmy Models (dozen)
No. 1703 Non-re-breathing Valves for CPR Timmy (dozen)
No. 2252 Carry Bag for all Infant Models
No. 2260 Carry Bag for all Timmy Models

	Length	**Weight Air Filled**	**Weight Water Filled**
CPR Cathy	18"	2 lb	5 lb 8 oz
CPR Bonnie	18"	2 lb	5 lb 8 oz
CPR Premie	15"	1 lb 8 oz	3 lb 12 oz

RETURN POLICY: Should it be necessary to return an item for any reason contact our customer service Department to obtain an RGA number. Please refer to your invoice number when phoning in your request for returning merchandise. Should you have any questions or wish further information on any product we manufacture call or write our Customer Service Department at: 800-431-4310

LIMITED WARRANTY: Simulaids warrants this product to be free from any defect in materials and/or workmanship for a period of three years from the date of purchase, as evidenced by the date of invoice when the product was shipped to the end user. This warranty expressly does not cover abuse, accidental or purposeful damage, or any form of modification to the product. Simulaids reserves the right to either repair or replace affected parts or the entire unit, at their sole discretion, after investigating and reviewing the actual product and the damage. In most instances, a digital photo of the product in question showing the damage will help qualify a product for return to the factory. At no time will any product be accepted at the plant without proper return authorization issued by Simulaids.

Freight and Shipping charges are the sole responsibility of the end user. No product will be received with shipping charges due. Any product considered for warranty work must be identified by serial number and invoice number from the agency through whom the product was purchased. Without this information the product will not receive a return authorization number as required above.

The Manufacturers of Training Manikins, Casualty Simulation Kits, Medical Training Devices
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