

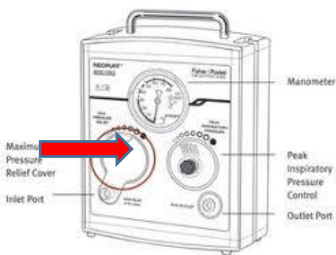
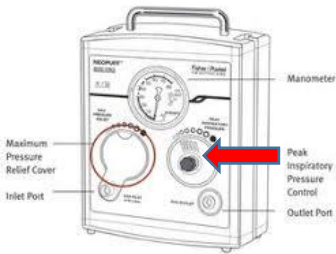
T-PIECE RESUSCITATOR DEVICE



Steps to Setting up:



Step 1	Equipment *Green oxygen tubing *Oxygen blender *Flow meter	Ensure one end of the green oxygen tubing is connected to the flow meter at the oxygen blender. Turn the gas flow on the flow meter to 10 L/min
Step 2	Equipment *Patient supply line *Test lung	Connect the other end of the green gas tubing to the gas inlet on the T-piece resuscitator. Attach the patient circuit tubing to the gas outlet on the T-piece resuscitator. Attach a test lung to the t-piece on the patient circuit tubing.

Steps to Check and Verify Settings

Gas Flow rate		*Ensure to adjust the flow rate to 10 L/min
Step 1	<p>To Set Maximum Pressure</p> 	<p>This maximum pressure acts like your “pop-off” or pressure limit; restricting you from going beyond what you have set.</p> <p>To set, with test lung attached to end of patient tubing, occlude PEEP cap or hole on the white dial and turn the inspiratory pressure control knob fully clockwise until it cannot turn any further.</p> <p>Swing the cap open on the maximum pressure relief dial and turn the maximum pressure relief dial to adjust the maximum pressure to 40 cmH₂O.</p> <p>Swing the maximum pressure relief cap back to its original position covering to protect the maximum pressure relief knob.</p>
Step 2	<p>To set the PIP</p> 	<p>With the end of the patient tubing occluded with a test lung or the palm of your hand, cover the hole on the white dial with your finger and look at the manometer on the T-piece resuscitator.</p> <p>The level to what the needle rises to will be the desired PIP value.</p> <p>Use the Inspiratory Pressure Control knob to increase or decrease the desired PIP settings.</p> <p>Set the PIP to 30 cmH₂O for (term babies)</p> <p>Set the PIP to 20 – 25 cmH₂O for (preterm babies)</p>

Step 3	<p>To set the PEEP/CPAP</p>  	<p>The white dial on the patient tubing is what's used to set the PEEP/CPAP.</p> <p>Occlude the end of the patient tubing with a test lung or the palm of your hand and look at the manometer on the T-piece resuscitator. The level to what the needle rises to will be the desired PEEP/CPAP.</p> <p>Use the white dial to increase or decrease the desired PEEP/CPAP settings; usually between 5 – 8 cmH₂O.</p> <p>The end of the circuit tubing must be kept occluded when turning the white dial; else the PEEP/CPAP value will fall to zero.</p> <p>Caution: If the PEEP/CPAP has been set on a flow rate of 10 L/min, any increase or decrease in the flow rate will alter PEEP/CPAP levels.</p> <p>If any adjustments were made to the flow rate you must re-set and re-check the PEEP/CPAP level.</p>
Step 4	<p>Adjusting for a higher/lower PIP whilst using the T-piece resuscitator</p>	<p>This can be adjusted while resuscitating but will require a second person to increase or decrease the inspiratory control knob to achieve appropriate PIP levels efficiently and effectively without harming the patient.</p>
Step 5	<p>Checking for functionality of settings</p>	<p>Remove test lung and attach appropriate size face mask to the patient circuit tubing T-piece.</p> <p>Place the face mask onto the baby's face from the chin upwards to the bridge of the nose or fit T-piece onto the endotracheal tube.</p> <p>Ventilate by occluding the PEEP/CPAP cap using your thumb or finger for 0.5 secs on inspiration, then release for 0.5 secs on expiration.</p> <p>Continue to ventilate checking your mask seal and ensuring that PEEP/CPAP returns to 5cmH₂O on the manometer after each manual inflation.</p>

Prepare T-piece resuscitator with Default Settings

	Non-Ventilated Neonates	Ventilated Neonates
Oxygen Blender	Set flow meter at 10 L/min	Set flowmeter at 10 L/min
Oxygen Cylinder	Set flow meter at 8 L/min	Set flow meter at 8 L/min
Maximum pressure relief valve	Set at 40 cmH ₂ O	Set at 40 cmH ₂ O
Peak Inspiratory Pressure (PIP)	Set PIP to 25 cmH ₂ O	Set PIP to 2 cmH ₂ O above ventilator PIP
PEEP/CPAP	Set PEEP to 5 cmH ₂ O	Set PEEP to 5 cmH ₂ O or to same PEEP as ventilator