Neo Tee

PROCEDURE

STEPS

1. Inspect the circuit, manometer, gas supply, and pressure relief before use
2. Connect the gas source and set the flow to 10 L/min
3. Test on a neonatal test lung (or protective cap): occlude the PEEP opening, set PIP to 25–30 cm H2O
4. Release the opening and set PEEP to 5 cm H2O — verify both pressures on the manometer
5. Remove the protective cap and attach the mask or airway interface to the patient
6. Occlude the PEEP opening to deliver a breath; uncover it promptly for expiration
7. Ventilate at the approved neonatal rate, watching chest movement throughout
8. Recheck PIP and PEEP after any flow change; if ventilation is ineffective, switch to the backup device immediately

BEFORE YOU START

- For trained neonatal / infant resuscitation providers only
- Device is intended for patients under 10 kg
- Have an alternative means of ventilation immediately available
- Never exceed 15 L/min — the manufacturer flow range is 5–15 L/min

KIT YOU NEED

- Neo-Tee circuit with manometer and pressure relief, gas source
- Neonatal test lung or protective cap for the pre-use check
- Mask or airway interface, plus a backup ventilation device

IF IT GOES WRONG

- Ineffective ventilation: abandon the device and use the backup immediately
- Monitor chest movement, heart rate, SpO2, and delivered pressures continuously
- Do not leave the patient unattended at any point

Take Home Message:

Set it up and prove it on the manometer before it touches the baby — PIP 25–30, PEEP 5, flow 10 — and keep a backup device in reach.