

NIPPY 4 BIPAP Device Information Sheet



Operating Device

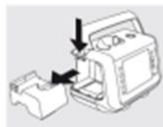
1. Ensure the water for humidification is emptied and refilled daily. Water is inserted via the circular port at the side of the humidifier. **(See below)**
2. Ensure the device is plugged into the mains.
3. Check that the settings displayed are correct as prescribed (Prescription found in medical notes).
4. Ensure the tubing is connected and free from kinks etc.
5. Ensure the mask is clean.
6. Attach the mask to the patient.
7. Ensure the fit is correct, it should be snug not tight on the patients face.
8. Attach the mask to the tubing
9. Turn on the device using the button as indicated below
10. Observe the patient for any signs of distress and assess their overall vital signs/ respiratory status.

Attaching the Integrated Humidifier

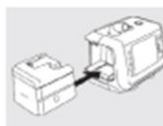
To insert humidifier, lift the handle, detach the left side panel



Remove the air bypass unit, and store safely in the NIPPY 4+ bag



Fill the water chamber only as far as the maximum fill line on the side. Carefully slide the humidifier into the vacant space within the ventilator



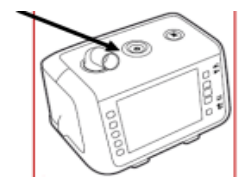
Ensure that you push the humidifier chamber until you hear an audible click, confirming it is properly attached



Note: Maximum humidifier usage on highest temperature setting is 8 hours and 40 minutes

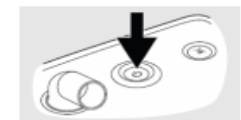
Switching N4+ On/Off

Press the On/Off button on the top panel to switch on. Press On/Off, followed by the 'Set' button to confirm a "Sleep" state



Start/Stop Treatment

Start treatment by pressing the On/Off button on the top panel.



Keep pressing until the progress bar is filled.



Stop treatment by pressing the On/Off button on the top panel. Keep pressing until the progress bar is filled.



Confirm Stop Treatment by pressing the 'Set' button



Troubleshooting

Ensuring all relevant safety checks have been performed, this will decrease trouble-shooting/alarm issues.

1. **Assess** the patient via the A, B, C approach first.
2. Then, ***work backwards towards the machine*** - this will include
3. Check both **entry points** of the tubing and around the patient's mask
4. Assess the **mask fit** by feeling around the edges of the seal for excessive leaks
(All NIV interfaces are vented, therefore there will always be a leak at the expiratory port).
5. Issues with tolerance can be minimised if **desensitisation** occurs during the day.
6. Managing Redness/ Pressure Sores:
 - Monitor the face for any signs of redness/ irritation daily.
 - Pay particular attention to the bony prominences of the face (bridge of nose, chin etc.).
 - Barriers will only work on healthy skin.
 - *Do not use DuodermTM*, tape such as SiltapeTM is more appropriate for short term use.

Alarms:

- 'High Flow'
- 'Low Flow'
- Humidifier/Bypass Loose:
- Disconnection

Possible Cause:

Inspect for unintentional leaks around the mask
Inspect the circuit for blockages
Check that the humidifier is inserted correctly
(Ensure it is pushed in until it clicks)
Check that the patient has not removed the mask.
Check that the tubing is securely connected.