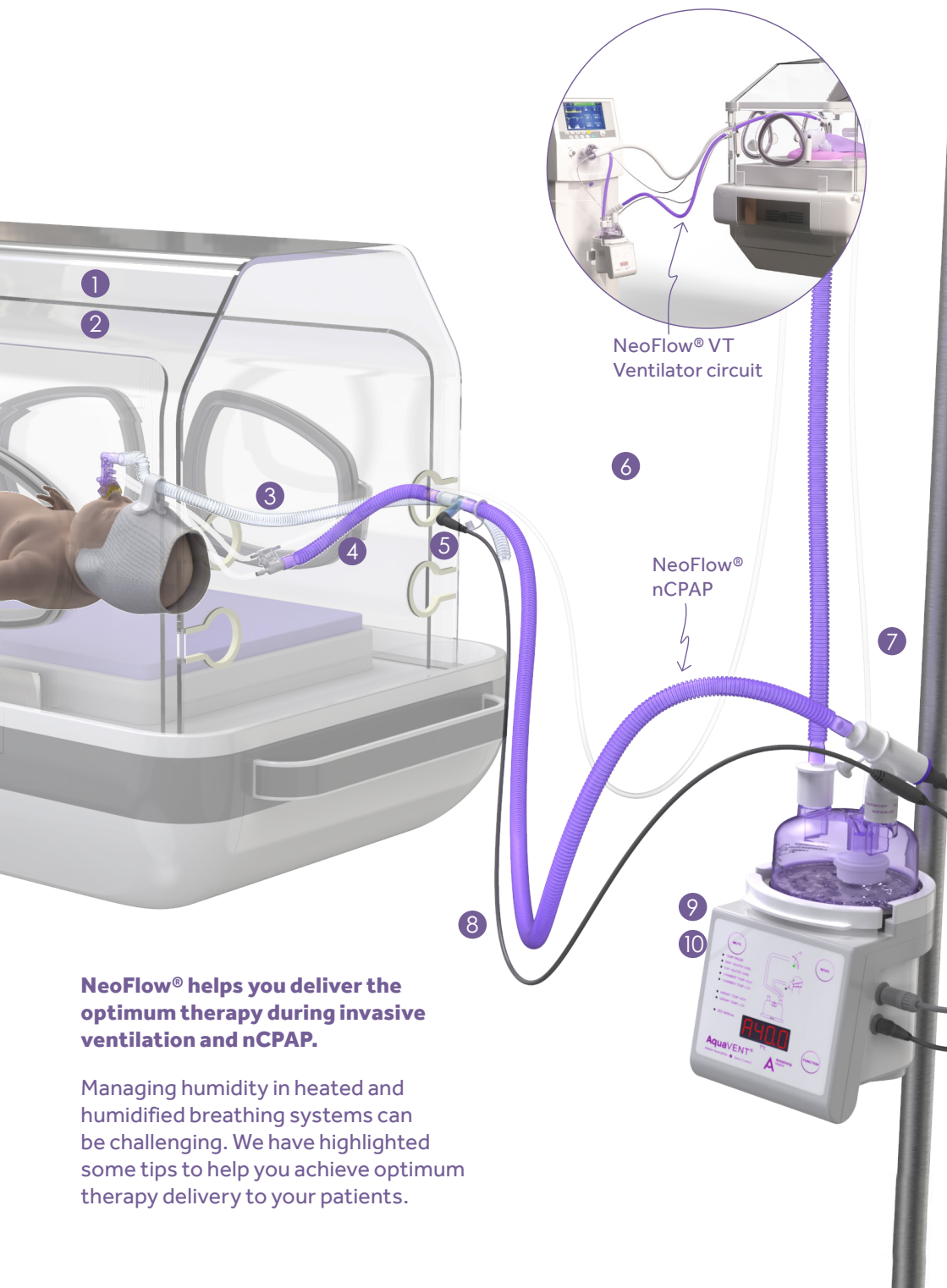


NeoFlow[®] Humidity Management





NeoFlow® helps you deliver the optimum therapy during invasive ventilation and nCPAP.

Managing humidity in heated and humidified breathing systems can be challenging. We have highlighted some tips to help you achieve optimum therapy delivery to your patients.

Possible Problem

- 1 Pyrexia – fans blowing on baby to cool body temperature.
- 2 Incubator temperature (37°C for very ELBW infants and decreasing as baby gets stronger).
- 3 Exhaust tube of nCPAP generator not extended.
- 4 Length of incubator limb (60cm of unheated circuit to interface).
- 5 Temperature probe inside or outside the incubator.
- 6 Ambient room temperature.
- 7 Leaks – drivers on leak compensation mode increase flow which lowers temperature within circuit.
- 8 Heated wire connection failure/failure of heated wire circuit.
- 9 Using alternative heaters - Humidity Compensation (HC) setting (NeoFlow® circuitry works best with F&P heaters on 0.0 HC setting).
- 10 Circuit set up - heater positioned too high.

Recommended Solutions

- If nursing with a fan it is essential to ensure points 2, 8 and 10 are given particular attention. Ensure circuitry is not in direct path of fan airflow.
- If possible, position temperature probe outside incubator and consider use of specially adapted shortened incubator limb (AMCP1409-043).
- Ensure exhaust line is fully extended and replace silencers once they appear wet.
- Remove incubator limb and use direct connection to heated limb. If nursing baby with an unheated incubator limb is unavoidable, consider using our special shortened version (AMCP1409-043).
- Optimal probe position is outside the incubator. If placing inside the incubator, consider removal of the non-heated section (incubator limb) to avoid moisture buildup.
- Ensure Humidity Compensation (HC) setting on heater is at 0.0.
- Ensure the circuit set up is leak free (temperature ports, gas connections etc). Ensure patient interface is leak free (CPAP and ventilation modes).
- Ensure all alarm conditions are attended to. If the wire connection failure has resulted in water accumulation, replace circuit as heated wire will not evaporate condensed water.
- AquaVENT® Heater does not require HC adjustment when using NeoFlow® circuits. If using alternative heaters, ensure HC is NOT on Automatic Mode.
- Ensure the heater is positioned as low as possible relative to the patient end of circuit, to allow potential rain out to return to humidification chamber.



STABILISATION



NEONATAL
TRANSPORT



INVASIVE
VENTILATION



CPAP



BUBBLE
CPAP



HFOT



**Eakin
Healthcare**

Working together. Improving lives.



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