

Make the Connection





At critical moments you connect with people, making an impact on their lives by providing vital care when it is needed the most.

Our priority is to enable you to provide the highest quality care and place in your hands the products that will help you do this.

When it comes to designing our medical devices and consumables for acute respiratory care, our goal is simple; to develop straightforward products for the best patient outcomes.

Connecting with you and providing support allows you to give your time and expertise to the patient; letting you focus on what matters.

Our products help you deliver the respiratory therapy without delay and provide prescribed solutions for every step of your patient's journey.

Make the Connection.

Control Without Complexity

AquaVENT[®] FD140i

Dual Therapy Gas Flow Driver

AquaVENT[®] FD140i is a dual therapy gas flow driver delivering safe and effective High Flow Oxygen Therapy (HFOT) and Continuous Positive Airway Pressure (CPAP) with specific modes for neonatal, paediatric and adult patients.

This versatile device can become an integral part of your weaning protocol, providing an alternative option to using a mechanical ventilator to deliver non-invasive therapies. AquaVENT[®] FD140i can benefit many acute care departments, enabling patient mobilisation and helping streamline the delivery of care.

AquaVENT[®] FD140i can also deliver POINT[®] (Perioperative Insufflatory Nasal Therapy), also known as the THRIVE technique, where heated and humidified HFOT (up to 80 L/min flow and up to 100% O₂) supports the patient during the perioperative period by extending the apnoeic window.

-  Neonatal
-  Paediatric
-  Adult



7 Inch
Touch Screen

6 Therapy
Modes

Sophisticated
Alarm System

Extended
Battery Life

AquaVENT® FD140i modes



HFOT Mode



HFOT is a form of respiratory support where high flow rates of oxygen/air mixture is delivered to the patient.

Flow Rates: 2-70 L/min



POINT® Mode



Perioperative Insufflatory Nasal Therapy (POINT®), also known as the THRIVE technique, delivers humidified high flow nasal therapy to support the patient during the perioperative period by extending the apnoeic window.

Flow rates: 10-80 L/min



CPAP Mode



CPAP therapy maintains a target positive airway pressure during inspiration and expiration in the spontaneous breathing patient.

Flow rates: 20-140 L/min



CPAP Helmet Mode



AquaVENT® FD140i supports non-invasive ventilation by means of a CPAP helmet.

Flow rates: 40-140 L/min



CPAP Paediatric Mode



The CPAP Paediatric mode is, in principle, the same as adult CPAP but delivers gas flow within a suitable range for paediatric patients.

Flow rates: 10-70 L/min



Bubble-PAP Mode



Bubble-PAP provides a safe, consistent and accurate method of delivering humidified respiratory support to spontaneously breathing patients from birth weight up to 10kg. The therapy prevents airway closure and maintains functional residual capacity.

Flow rates: 2-20 L/min

AquaVENT® Heater Humidifier

The AquaVENT® Heater Humidifier heats and humidifies gases to deliver respiratory support to patients through invasive and non-invasive modes to improve patient comfort and assist with secretion clearance.

Features include:

- auto temperature selection
- high and low temperature alarms
- over temperature protection
- real time temperature tracking digital display for airway chamber and heater plate





Adult Patient Interfaces

Our extensive range of patient interfaces are designed with patient comfort in mind and reach optimum therapy delivery quickly to improve patient outcomes.

AquaNASE® Nasal Cannula

The AquaNASE® nasal cannula delivers HFOT with soft silicone nasal prongs. Featuring a double headstrap and neck lanyard ensures the nasal cannula is comfortable and secure to accommodate oral hygiene, hydration, feeding, physiotherapy and manage weaning from CPAP therapy.



NIV Facemask

Our NIV facemasks have a unique double seal offering a comfortable fit whilst applying minimal pressure to the skin, reducing the risk of pressure sores and improving patient therapy tolerance. The integrated chin strap improves stability and reduces the risk of leaks, whilst allowing the patient to wear glasses.



CPAP Helmet

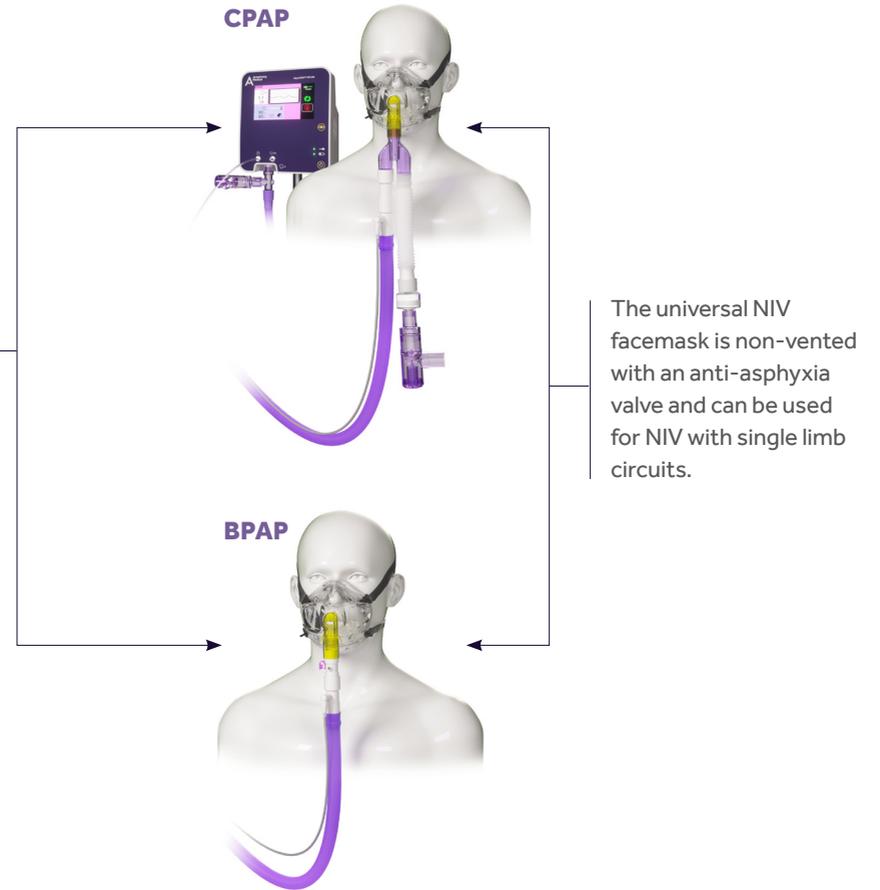
The CPAP helmet does not have any pressure points on the face, therefore minimising patient discomfort and improving therapy tolerance without the risk of pressure sores. The helmet allows the patient to see, read, talk, and interact more easily.



AquaVENT® Flowkit

Non-Invasive Ventilation Circuit Kits

AquaVENT® Flowkit, our universal heated breathing circuit, facilitates quick and simple transition between therapies.



Optimum Therapy Delivery Quickly & Consistently

AquaVENT® Flowkit is all you need to deliver non-invasive heated and humidified breathing therapies, CPAP and HFOT. The humidification chamber features a 1.2m feedline ensuring a consistent flow of water into the chamber for optimum gas generation, allowing the therapy to start quickly and maintain it consistently throughout delivery. The heated inspiratory limb ensures the gas reaches the patient at the correct temperature.

Easy Transition

If you need to escalate or de-escalate a patient this is straightforward as AquaVENT® Flowkit contains everything you need to deliver both CPAP and HFOT and to transition between the two. It also makes it easy to give patients a break from CPAP, if required.

Save Money

AquaVENT® Flowkit contains everything you need to deliver both CPAP and HFOT, except the mask for CPAP which needs to be sized for each patient. This saves the caregiver time, means fewer items need to be stocked and is usually more cost effective than the alternatives.

Sustainability and Waste

As everything comes in one pack there is less packaging than the multipack alternatives and is also more efficient in terms of transport. As one circuit delivers two therapies there is much less waste if a patient moves between therapies. We estimate 20% of patients will move between CPAP and HFOT making this an important consideration.

BioCote®

Many of our breathing systems are supplied with BioCote®, an antimicrobial silver additive, to limit the numbers of microbes on the surface of the breathing circuit, protecting it from microbial colonisation.

AquaVENT® VT

Adult Heated and Humidified Ventilator Circuits

INTUITIVE MOISTURE MANAGEMENT

AquaVENT® VT is an advanced ventilator circuit, with Vapour Transmission (VT) technology, that intuitively manages moisture throughout the system, allowing you to focus on the patient. Like the entire AquaVENT® range, it is designed to get to the optimum therapy quickly and maintain it consistently.

The 1.2m chamber feed line allows the water bag to be positioned optimally above the chamber to maintain water autofill level.

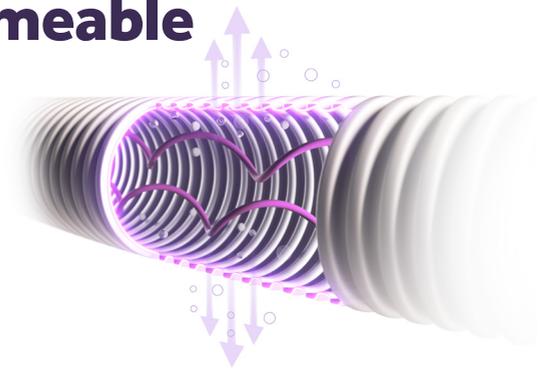
The autofill **heated humidifier chamber** supplies the correct amount of water to the chamber, allowing it to start producing moisture vapour quickly and then maintain this consistently.

A vapour permeable **expiratory limb** allows the system to remain dry for the duration of the therapy.

A heated **inspiratory limb** maintains the gas temperature for the length of the limb, delivering heated humidified gas to your patient. Temperature probes at the chamber and at the patient interface allow you to ensure this remains consistent.

Vapour Permeable

The unique layered design of our expiratory limb, which is heated above 40°C, achieves a high Moisture Vapour Transmission Rate (MVTR), letting the moisture vapour escape through the circuit wall. The circuit stays dry resulting in less filter changes and promotes a closed system.



NeoFlow[®] VT

Infant Heated and Humidified Ventilator Circuits

NeoFlow[®] VT uses the same advanced Vapour Transmission (VT) technology as AquaVENT[®] VT, intuitively managing moisture throughout the system, reaching the optimum therapy delivery quickly and maintaining it consistently.

The unique layered properties of the **expiratory limb** achieve a high Moisture Vapour Transmission Rate (MVTR), creating a dry expiratory limb.

BioCote[®] antimicrobial silver additive limits the number of microbes on the surface of the ventilator circuit, protecting it from microbial colonisation.

The NeoFlow[®] VT heated wire design minimises loss of water vapour in the **inspiratory limb**, delivering optimal humidification to the patient.

Our unique Triple Swivel Y-Piece has 3-point rotation; enabling smooth movement whilst maintaining a fixed tracheal tube.



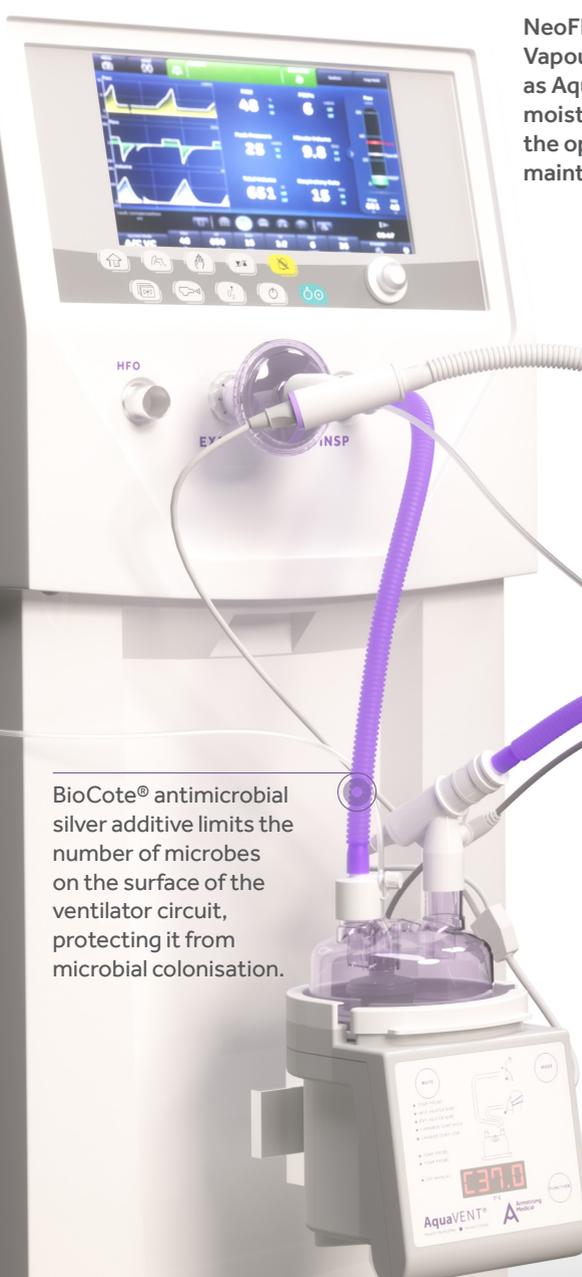
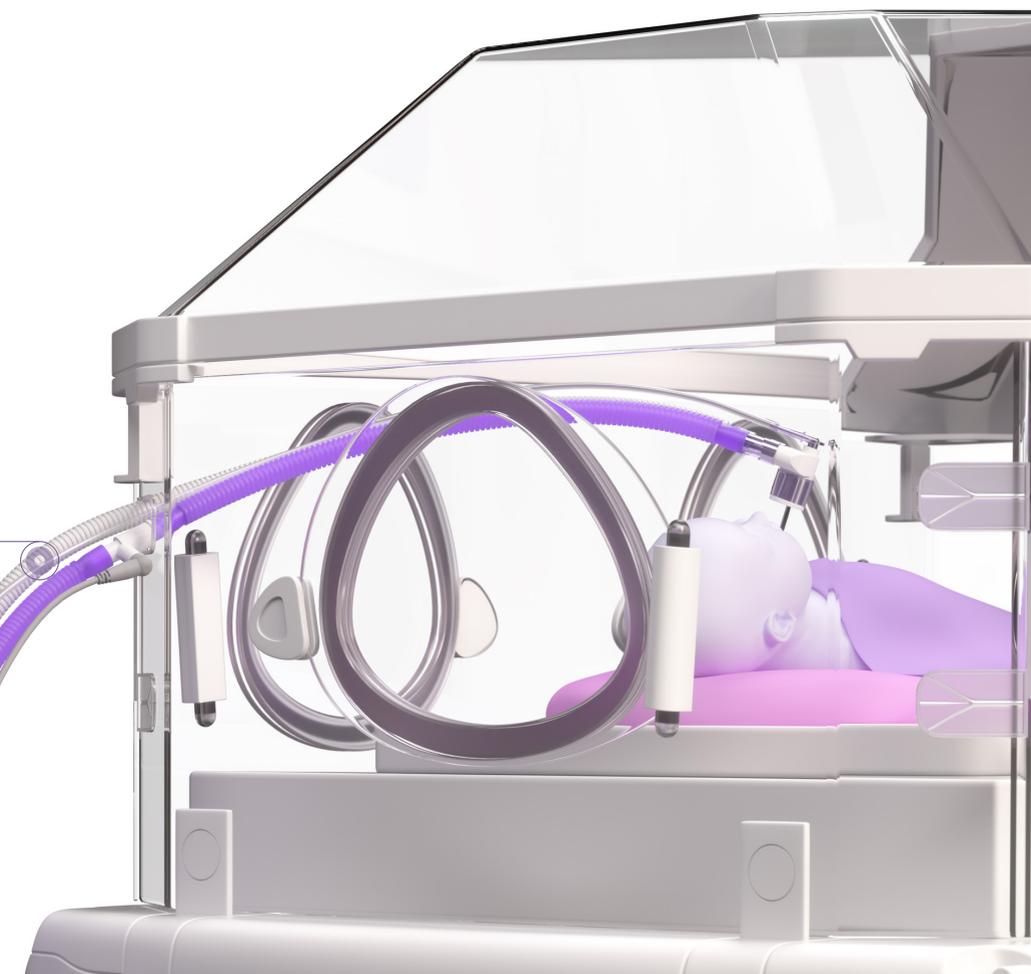
1 Gentle repositioning of infant results in minimal torque to the tracheal tube.



2 Rotational force is transferred to the inspiratory and expiratory limbs.



3 Limbs can be independently repositioned with reduced risk of disconnection.



NeoFlow[®]

Infant Breathing Systems and Patient Interfaces

Our NeoFlow[®] range of multi-therapy breathing circuits and patient interfaces for nCPAP and HFOT offer innovative design to improve comfort to the tiniest of patients.

NeoFlow[®] nCPAP Breathing Circuits

NeoFlow[®] nCPAP breathing circuits are compatible with most flow drivers, with adapters available to fit Acutronic Fabian, Heinen + Löwenstein Leoni, Leoni Plus, Infant Flow[®] and SiPAP Plus. Our NeoFlow[®] nCPAP circuitry kits ensure neonatal units are provided with everything they need in one convenient pack, saving time and allowing you to focus on baby.

NeoFlow[®] nCPAP Generator Set

The NeoFlow[®] nCPAP generator set with accurate pressure/flow curve includes a support cradle for a stable midline placement, therefore reducing the potential for a nasal tissue injury. The single-use NeoFlow[®] nCPAP silencer can be used in combination with the NeoFlow[®] nCPAP generator to help dampen noise and promote baby's growth, development and healing.

NeoFlow[®] Bonnet

The NeoFlow[®] ultra soft bonnet features a wrap-over design making it easy to size, fit and adjust. The secure, yet gentle fit of the bonnet reduces the need for fixation to the skin of respiratory interfaces and the open crown is useful for inspecting skin, access for scalp vein catheterisation and to complete ultrasound scans.



It's the little things...



BioCote® Antimicrobial Protection



AquaVENT® heated breathing systems contain BioCote® antimicrobial silver additive, protecting it from microbial colonisation.

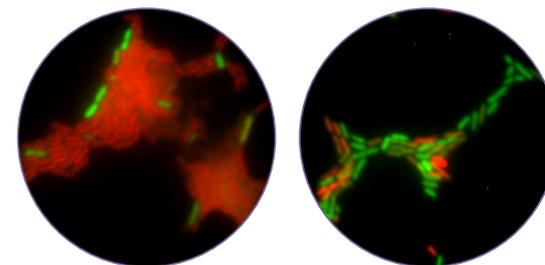
BioCote® antimicrobial technology in breathing circuit tubing uses inorganic silver ion particles dispersed homogeneously throughout the tubing polymer.

BioCote® antimicrobial additives work 24 hours a day, 7 days a week to reduce the levels of microbes by up to 99.99%, reassuring end-users that the product is permanently protected and therefore less likely to harbour damaging microorganisms. It will not wear off or leach from the surface they are manufactured into.

As BioCote® only validates products achieving a minimum 95% reduction in microbes, we offer a unique benefit to customers using our breathing circuits.

BioCote® antimicrobial protection is effective against a broad spectrum of micro-organisms:

- Influenza A H1N1
- Legionella pneumophila
- MRSA
- Pseudomonas aeruginosa
- Salmonella enteritidis
- Salmonella typhimurium
- Staph aureus
- Vancomycin Resistant Enterococcus
- Aspergillus niger
- Aspergillus brasiliensis
- Candida albicans
- Penicillium sp.
- Clostridium difficile



Treated polymer
Containing BioCote®
Green = viable cells

Untreated polymer
Not containing BioCote®
Red = dead cells

NeoFlow® High Flow Nasal Cannula

Compatible with the NeoFlow® bonnet, the colour-coded NeoFlow® high flow nasal cannula is available in five sizes for neonatal and paediatric patients, covering flows from 1-25 L/min.

NeoFlow® Masks and Prongs

Our NeoFlow® masks and prongs are suitable for single use in combination with nCPAP therapy. Our nasal masks are available in four sizes and are made with soft silicone to minimise skin pressure and for optimum comfort for baby. You can alternate between mask and prong to enhance baby comfort.

NeoFlow® Resuscitation Masks

Our range of resuscitation masks, available in four sizes from neonate to small child, are designed to incorporate core strength to resist collapse during use. The satin sealing surface and feather thin edge, along with a hand positioning guide, helps achieve an optimal seal and ventilation.

Product Codes

Medical Equipment

Description	Code	Box Qty
FD140i Gas Flow Driver, UK	AMFD140i-UK	1
FD140i Gas Flow Driver, EU	AMFD140i-EU	1
AquaVENT® heater humidifier, servo-controlled UK	AMHH2600A-UK	1
AquaVENT® heater humidifier, servo-controlled EU	AMHH2600A-EU	1

Breathing Systems - Invasive Ventilation

Description	Code	Box Qty
AquaVENT® VT Ventilator Circuit for Mechanical Ventilation, with antimicrobial BioCote®, for adult and paediatric patients >10kgs, heated, for use with FPH MR850, GGM 2600A and Wilamed Aircon series heater humidifiers.	AMVC1775-128	10
NeoFlow® VT Ventilator Circuit for Mechanical Ventilation, with antimicrobial BioCote®, for neonatal patients <10kgs, heated, for use with FPH MR850, GGM 2600A and Wilamed Aircon series heater humidifiers.	AMVC1775-204	10

Breathing Systems - Resus

Description	Code	Box Qty
NeoFlow® limb for resuscitation with antimicrobial BioCote®, for neonatal patients <10kgs, for use on FPH Neopuff, Drager Resuscitaire and GE Giraffe Panda	AMVC1871-165 Resus Set	60
AquaVENT® Neo circuit for resuscitation, with antimicrobial BioCote®, for neonatal patients <25kgs, heated, for use with FPH MR850, GGM 2600A and Wilamed Aircon series heater humidifiers.	AMHO1509-014 Heated Resus Set	10

Breathing Systems - Non-Invasive Ventilation

Description	Code	Box Qty
AquaVENT® HFOT circuit, with antimicrobial BioCote®, for adult patients >10kgs, heated, for use with FPH MR850, GGM 2600A and Wilamed Aircon series heater humidifiers.	AMHO1509-008	10
AquaVENT® HFOT circuit for POINT, with antimicrobial BioCote®, for adult patients >10kgs, heated, for use with FPH MR850, GGM 2600A and Wilamed Aircon series heater humidifiers.	AMHO1509-042	10
CPAP add on kit, for adult patients >10kgs with fixed pressure PEEP valve 5cmH2O,	AMCPUK01258	20
CPAP Helmet Kit for adult patients >10kgs with fixed pressure PEEP valve 5cmH2O,	AMCPUK01268	20
Ventilator circuit for non-invasive ventilation including bi-level ventilation, for adult patients >10kgs,	AMVC1792-215	20
AquaVENT® CPAP circuit, with antimicrobial BioCote®, for paediatric patients <20kgs, heated, for use with FPH MR850, GGM 2600A and Wilamed Aircon series heater humidifiers with fixed pressure PEEP valve 5cmH2O.	AMCP1409-062	10
AquaVENT® Neo Bubble CPAP circuit, with antimicrobial BioCote®, for neonatal patients <10kgs, heated, for use with FPH MR850, GGM 2600A and Wilamed Aircon series heater humidifiers.	AMCP1408-003	10
AquaVENT® Neo nCPAP and HFOT circuit, for Infant Flow/SiPAP and Fabian, with antimicrobial BioCote®, for neonatal patients <10kgs, heated, for use with FPH MR850, GGM 2600A and Wilamed Aircon series heater humidifiers.	AMCP1409-037	10

Patient Interfaces - Adult Face Mask

Description	Code	Box Qty
NIV Disposable Face Masks for CPAP. Non vented, AAV, Large with head gear.	HRFM113550	18
NIV Disposable Face Masks for CPAP. Non vented, AAV, Medium with head gear.	HRFM113551	18
NIV Disposable Face Masks for CPAP. Non vented, AAV, Small with head gear.	HRFM113552	18
NIV Disposable Face Masks for CPAP. Non vented, AAV, Extra Small with head gear.	HRFM113553	18
NIV Disposable Face Masks for CPAP. Non vented, AAV, Petite with head gear.	HRFM113554	18

Full range of vented and non vented NIV facemasks can be found on our website

Patient Interfaces - AquaNASE® Nasal Cannula

Description	Code	Box Qty
AquaNASE® nasal high flow system, 4mm	AMNS1004	30
AquaNASE® nasal high flow system, 5mm	AMNS1005	30
AquaNASE® nasal high flow system, 6mm	AMNS1006	30
AquaNASE® nasal high flow cannula with Bi-lateral attachment of gas supply - SMALL (ORANGE)	AMNS2004	20
AquaNASE® nasal high flow cannula with Bi-lateral attachment of gas supply - MEDIUM (PURPLE)	AMNS2005	20
AquaNASE® nasal high flow cannula with Bi-lateral attachment of gas supply - LARGE (PINK)	AMNS2006	20

Patient Interfaces - Neonatal

Description	Code	Box Qty
NeoFlow® nCPAP generator set with prongs & cradle	AMCP600-002	10
NeoFlow® wrap around bonnet - XXS	AMBT100-XXS	20
NeoFlow® wrap around bonnet - XS	AMBT100-XS	20
NeoFlow® wrap around bonnet - S	AMBT100-S	20
NeoFlow® wrap around bonnet - M	AMBT100-M	20
NeoFlow® wrap around bonnet - L	AMBT100-L	20
NeoFlow® wrap around bonnet - XL	AMBT100-XL	20

Find more details of the AquaVENT®
and NeoFlow® range visit
www.armstrongmedical.net



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