

Paediatric / Neonatal Ventilation

Product Guide



Caring for Our
Most Vulnerable Patients

flexicare
TOTAL QUALITY - TOTAL CARE



With over 35 years of experience in the design, development and manufacture of medical devices, Flexicare has developed a world class reputation.

Flexicare is an established global leader in Airway Management, Critical Care, Resuscitation, Anaesthetic and Oxygen Therapy devices and consumables.

Working with leading Universities, Teaching Hospitals and Clinicians, Flexicare looks to develop product enhancements and innovation that advance the delivery of patient care and improve patient safety.

Through an understanding of the needs of health care providers, their patients, the challenges they face, and changing demands of delivering care, Flexicare's partnership approach delivers solutions that make a real difference.

Based on our experience and expertise, Flexicare is pleased to offer a range of quality products for the care of Neonatal patients who require ventilation.



To view our full product range, visit
www.flexicare.com

Dedicated to
supporting clinicians
providing comprehensive training

Providing you with
advice and support
within the healthcare environment

PAEDIATRIC / NEONATAL VENTILATION

A comprehensive range of breathing systems and accessories for ventilated patients and those receiving respiratory support.



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ventiMyst®



VentiMyst Advanced Active Humidification **delivers absolute humidity** and **manages** excess rain-out

The use of respiratory humidifiers and heated wire breathing circuits for active humidification offers many benefits, but can also lead to problems caused by rain-out.

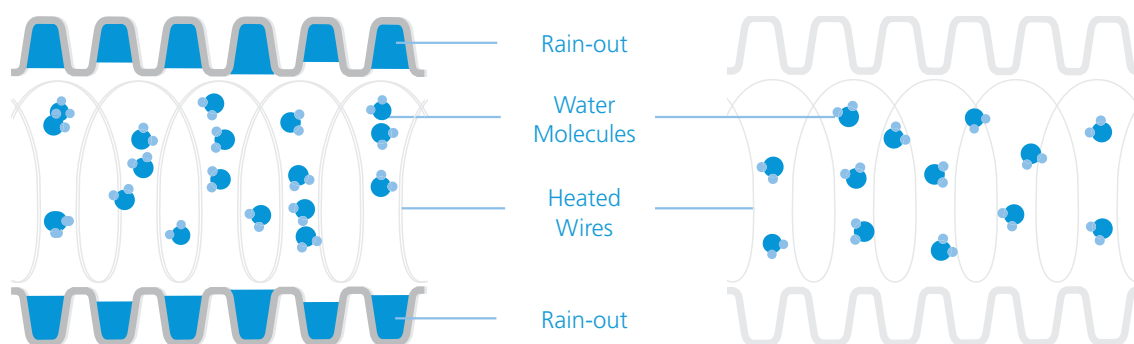
VentiMyst addresses these problems by preventing the build-up of rain-out in the expiratory limb.

Benefits of reduced rain-out with VentiMyst®

- Lower risk of contamination reaching either the ventilator or the patient
- Minimises need to open or break the circuit to remove excess rain-out, therefore decreasing the risk of Ventilator Acquired Pneumonia¹
- Less risk of increased resistance to gas flow from fluid build-up in the expiratory limb or filter²

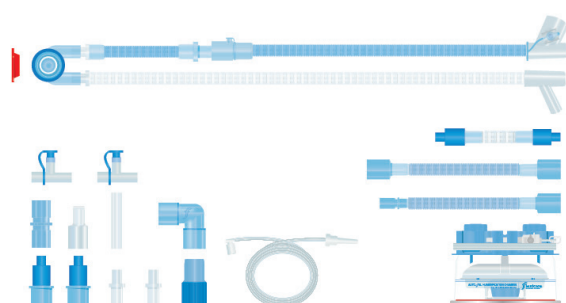
VentiMyst Moisture Management Technology

Reduced build-up of rain-out compared with standard corrugated heated wire limbs.

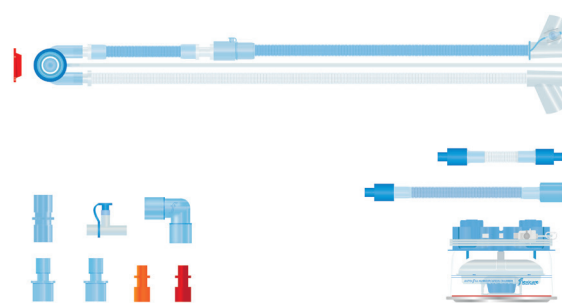


Standard Corrugated Heated Wire Limb
with rain-out pooling in the limb corrugations

ventiMyst®
minimising rain-out



038-33-252

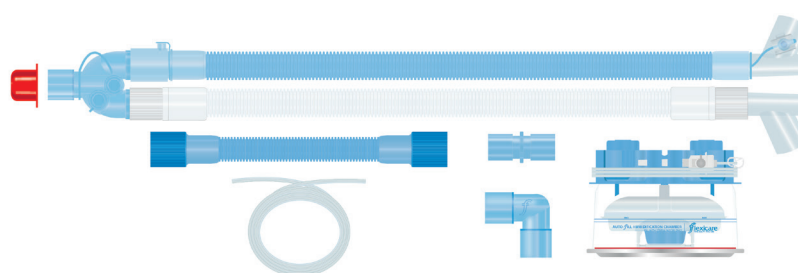


038-33-252/S

VentiMyst Sterile Neonatal Dual Heated Wire Ventilator Breathing Systems

038-33-252	VentiMyst Neonatal Dual Heated Wire with Auto-Fill Chamber - Kit 1 Neonatal 15mm Dual Heated Wire Breathing System 1.6m, VentiMyst Corrugated Expiratory Limb, Y-Piece with Suction Port, 0.3m Incubator Extension 15mm, 8M/8F Ported T-Pieces, 22M/22M, 15F Connector, 8M/15M Connector, Adapter Tube, 22F/22M Elbow, 9-11F/22M, 15F Connectors, 10M, 8F/15M, 11F Connectors, 15F/22F Heated Wire Adapter, Detachable Pressure Line, 0.15m Limb 9-11F/9-11F, 0.6m Limb 22F/22F, 0.6m Limb 15M, 11F/22F & Auto-Fill Chamber	10
038-33-253	VentiMyst Neonatal Dual Heated Wire without Chamber - Kit 2 As above without Humidification Chamber	10
038-33-255	VentiMyst Neonatal Dual Heated Wire (Low Flow) - Kit 3 As 038-33-252 with Low Flow Heated Wire Breathing System	10
038-33-252/S	VentiMyst Neonatal Dual Heated Wire for SLE Ventilator with Auto-Fill Chamber - Kit 1 Neonatal 15mm Dual Heated Wire Breathing System 1.6m, VentiMyst Corrugated Expiratory Limb, Y-Piece with Suction Port & Fixed Pressure Line, 0.3m Incubator Extension 10mm, 22M/22M, 15F Connector, 8M/8F Ported T-Piece, 22F/22M Elbow, 15M-22M/15F Connectors, Red & Amber Flow Restrictors, 0.15m Limb 9-11F/9-11F, 0.6m Limb 9-11F/22F & Auto-Fill Chamber	10
038-33-253/S	VentiMyst Neonatal Dual Heated Wire for SLE Ventilator without Chamber - Kit 2 As above without Humidification Chamber	10

VentiMyst Sterile Paediatric Dual Heated Wire Ventilator Breathing System

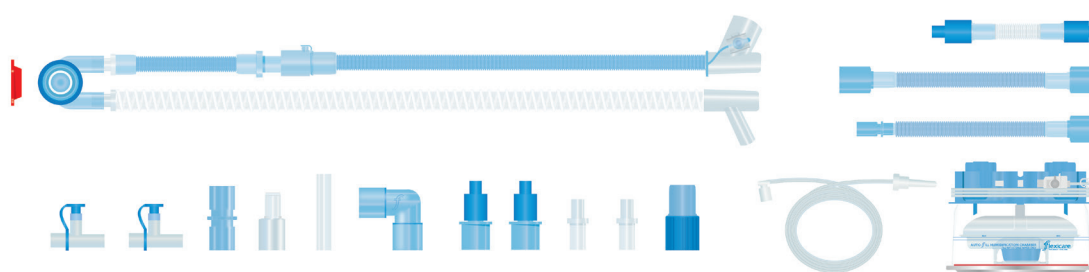


038-32-252	VentiMyst Paediatric Dual Heated Wire - Kit 1 Paediatric 15mm Dual Heated Wire Breathing System 1.6m, VentiMyst Corrugated Expiratory Limb, Y-Piece with MDI Port and Pressure Port, 0.5m Limb, 22M/22M, 15F Connector, 22F/22M Elbow & Auto-Fill Chamber	10
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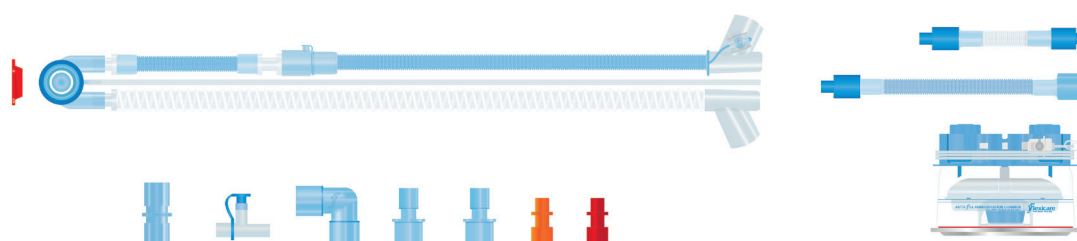
1 MV Pravin Charles, et al. Ventilator-associated pneumonia. Australasian Medical Journal. 2014; 7(8): 334-344

2 A. R. Wilkes. Heat and moisture exchangers and breathing system filters: their use in anaesthesia and intensive care. Part 2 – practical use, including problems, and their use with paediatric patients. Anaesthesia, 2011, 66, 40-51

Sterile Neonatal & Paediatric Dual Heated Wire Ventilator Breathing Systems

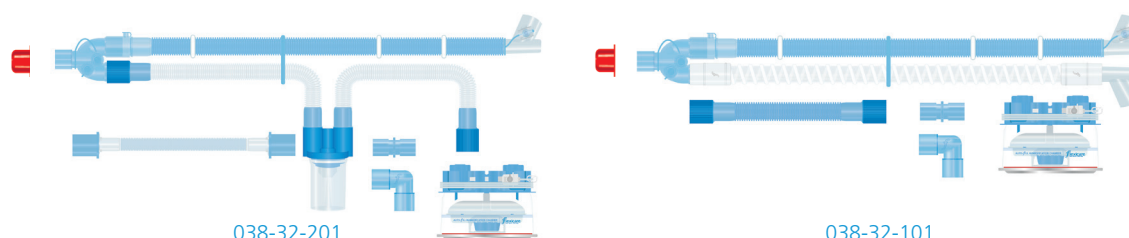


038-33-201	Neonatal Dual Heated Wire with Auto-Fill Chamber - Kit 1 Neonatal 15mm Dual Heated Wire Breathing System 1.6m, Smoothbore Expiratory Limb, Y-Piece with Suction Port, 0.3m Incubator Extension 15mm, 8M/8F Ported T-Pieces, 22M/22M,15F Connector, 8M/15M Connector, Adapter Tube, 22F/22M Elbow, 9-11F/22M,15F Connectors, 10M,8F/15M,11F Connectors, 15F/22F Heated Wire Adapter, Detachable Pressure Line, 0.15m Limb 9-11F/9-11F, 0.6m Limb 22F/22F, 0.6m Limb 15M,11F/22F & Auto-Fill Chamber	20
038-33-202	Neonatal Dual Heated Wire without Chamber - Kit 2 As above without Humidification Chamber	20



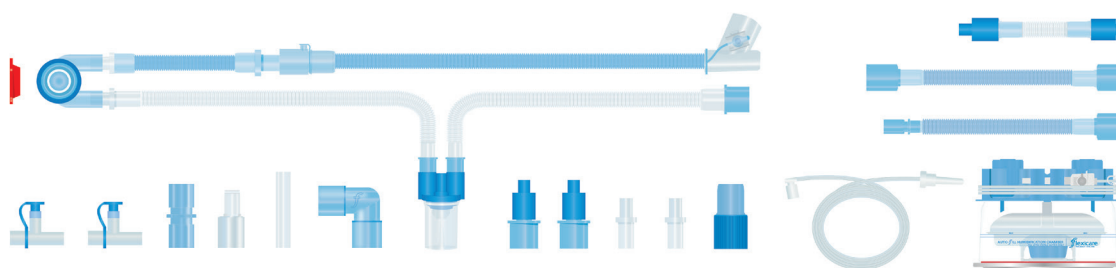
038-33-201/S	Neonatal Dual Heated Wire for SLE Ventilator with Auto-Fill Chamber - Kit 1 Neonatal 15mm Dual Heated Wire Breathing System 1.6m, Smoothbore Expiratory Limb, Y-Piece with Suction Port & Fixed Pressure Line, 0.3m Incubator Extension 10mm, 22M/22M,15F Connector, 8M/8F Ported T-Piece, 22F/22M Elbow, 15M-22M/15F Connectors, Red & Amber Flow Restrictors, 0.15m Limb 9-11F/9-11F, 0.6m Limb 9-11F/22F & Auto-Fill Chamber	20
038-33-202/S	Neonatal Dual Heated Wire for SLE Ventilator without Chamber - Kit 2 As above without Humidification Chamber	20

Sterile Paediatric Heated Wire Corrugated Ventilator Breathing Systems

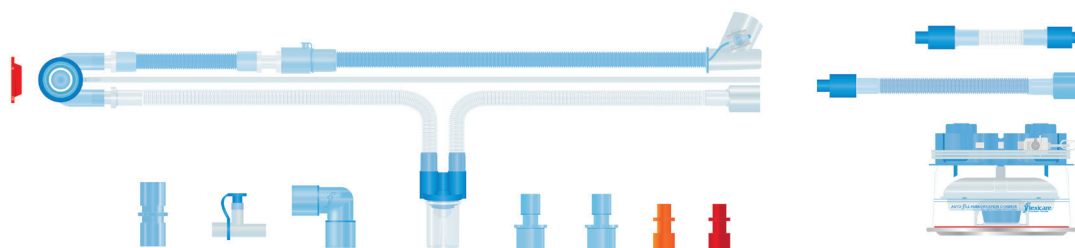


038-32-201	Paediatric Dual Heated Wire - Kit 1 Paediatric 15mm Dual Heated Wire Breathing System 1.6m, Corrugated Expiratory Limb, Y-Piece with MDI Port and Pressure Port, 0.5m Limb, 22M/22M,15F Connector, 22F/22M Elbow & Auto-Fill Chamber	10
038-32-101	Paediatric Single Heated Wire - Kit 1 Paediatric 15mm Single Heated Wire Breathing System 1.6m, Corrugated Expiratory Limb with Water Trap, Y-Piece with MDI Port and Pressure Port, 0.5m Limb, 22M/22M,15F Connector, 22F/22M Elbow & Auto-Fill Chamber	10

Sterile Neonatal Single Heated Wire Ventilator Breathing Systems

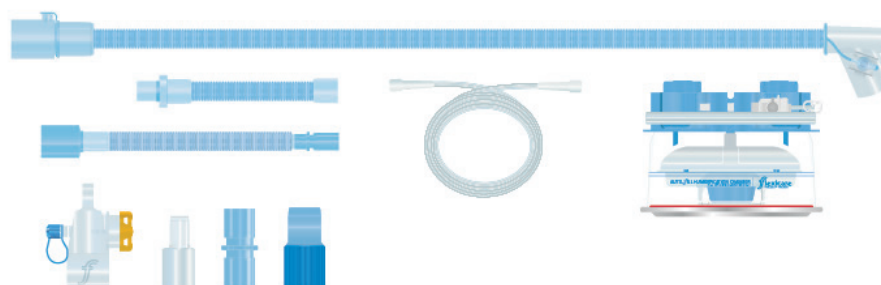


038-33-101	Neonatal Single Heated Wire with Auto-Fill Chamber - Kit 1 Neonatal 15mm Single Heated Wire Breathing System 1.6m, Corrugated Expiratory Limb with Water Trap, Y-Piece with Suction Port, 0.3m Incubator Extension 15mm, 8M/8F Ported T-Pieces, 22M/22M, 15F Connector, 8M/15M Connector, Adapter Tube, 22F/22M Elbow, 9-11F/22M, 15F Connectors, 10M, 8F/15M, 11F Connectors, 15F/22F Heated Wire Adapter, Detachable Pressure Line, 0.15m Limb 9-11F/9-11F, 0.6m Limb 22F/22F, 0.6m Limb 15M, 11F/22F & Auto-Fill Chamber	20
038-33-102	Neonatal Single Heated Wire without Chamber - Kit 2 As above without Humidification Chamber	20



038-33-101/S	Neonatal Single Heated Wire for SLE Ventilator with Auto-Fill Chamber - Kit 1 Neonatal 15mm Single Heated Wire Breathing System 1.6m, Corrugated Expiratory Limb with Water Trap, Y-Piece with Suction Port & Fixed Pressure Line, 0.3m Incubator Extension 10mm, 22M/22M, 15F Connector, 8M/8F Ported T-Piece, 22F/22M Elbow, 15M-22M/15F Connectors, Red & Amber Flow Restrictors, 0.15m Limb 9-11F/9-11F, 0.6m Limb 9-11F/22F & Auto-Fill Chamber	20
038-33-102/S	Neonatal Single Heated Wire for SLE Ventilator without Chamber - Kit 2 As above without Humidification Chamber	20

Sterile Neonatal Single Limb Heated Wire Ventilator Breathing Systems



038-33-402	Neonatal Single Limb Heated Wire with Auto-Fill Chamber for CPAP/HFOT - Kit 1 Neonatal 15mm Single Limb Heated Wire Breathing System 1.6m, 0.3m Incubator Extension 15mm, 0.6m Limb 15M, 11F/22F, Pressure Relief Valve 40cmH ₂ O, 8M/15M Connector, 22M/22M, 15F Connector, 15F/22F Heated Wire Adapter, 2.1m Oxygen Tubing, & Auto-Fill Chamber	20
038-33-501	Neonatal Shielded Single Limb Heated Wire with Auto-Fill Chamber for CPAP/HFOT - Kit 1 As above with Shielded Inspiratory Limb	20

FL-9000 Respiratory Humidifier

Simple to operate, with intuitive controls and easy to select functions, the FL-9000 Respiratory Humidifier offers a complete solution. Suitable for Invasive or Non-Invasive ventilation, and heated or non-heated wire breathing systems.

Clear Indicators

Colour coded LEDs for indication of functions and fault source for quick resolution of alarms.

Warning System

Visual and audible alarms notify user of set-up errors, accidental disconnection during use or delivered temperatures outside the set parameters.

Positive Connection

Heater Plate with spring loaded locking mechanism for secure placement of humidification chamber.

Misconnection Prevention

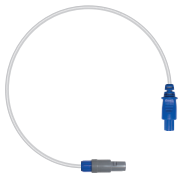
Easy-connect heated wire and temperature probe sockets of different design ensure correct connection.



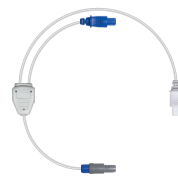
FL9000	Respiratory Humidifier	230V with UK 3 Pin Plug	1
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Visit flexicare.com for international electrical requirements.

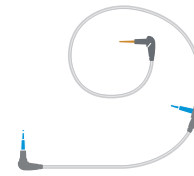
FL-9000 Respiratory Humidifier Accessories



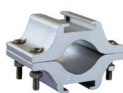
FL9000-01	Single Heated Wire Humidifier Adapter Lead	1
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FL9000-02	Dual Heated Wire Humidifier Adapter Lead	1
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FL9000-03	Humidifier Temperature Probe Lead (1.5m)	1
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FL2000-01	Mounting Accessory Pole Clamp (30-50mm)	1
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FL2000-02	Mounting Accessory C-Clamp (19-40mm)	1
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FL2000-04	Mounting Accessory Rail Bracket	1
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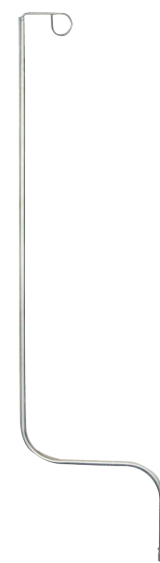
FL2000-03	Mounting Accessory Wall Bracket	1
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FL2000-05	Mounting Accessory Offset Rail Bracket	1
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FL2000-06	Mounting Accessory Water Pole Mounting Bracket	1
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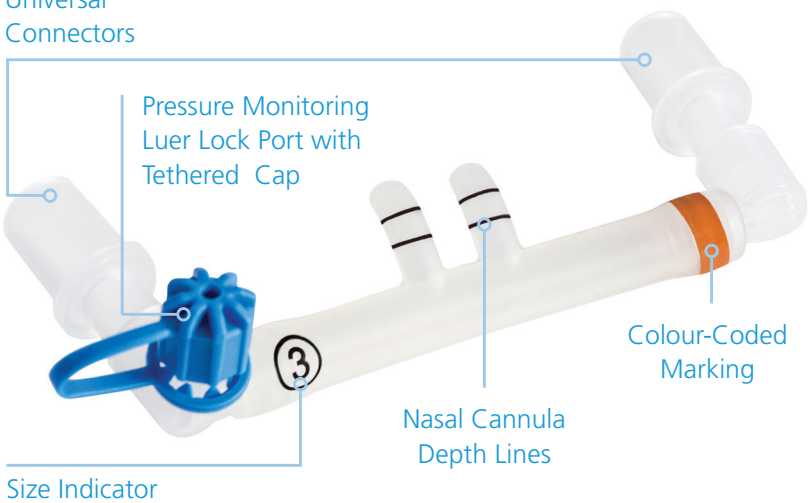
FL2000-07	Mounting Accessory Water Pole	1
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Infant Nasal CPAP



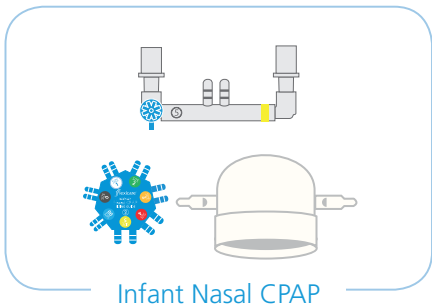
Anatomically curved soft silicone cannula with depth markings, in a range of 7 sizes ensures a secure and leak-free fit to maintain CPAP and minimise the risk of tissue damage.

Universal
Connectors



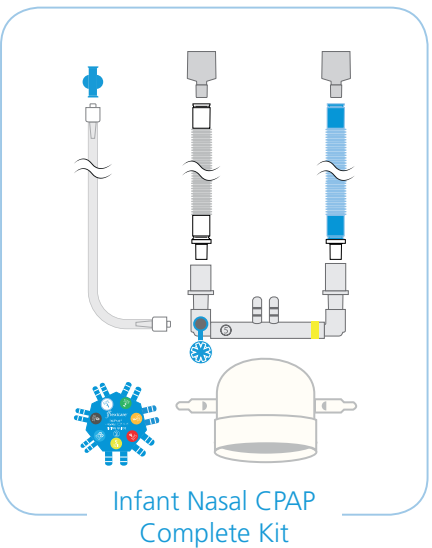
Option 1

Infant Nasal CPAP Cannula with soft knitted cap.



Option 2

Complete Kit with Infant Nasal CPAP Cannula, with soft knitted cap, 2 x 1.2m Breathing Limbs and Monitoring Line.



INFANT NASAL CPAP CANNULA & CAP	INFANT NASAL CPAP COMPLETE KIT	SIZE	APPROX WEIGHT RANGE	COLOUR	QUANTITY
038-13-100	038-13-200	00	Less than 500g	Blue	10
038-13-110	038-13-210	0	500 – 700g	Black	10
038-13-111	038-13-211	1	700 – 1250g	White	10
038-13-112	038-13-212	2	1250 – 2000g	Green	10
038-13-113	038-13-213	3	2000 – 3000g	Yellow	10
038-13-114	038-13-214	4	Over 3000g	Red	10
038-13-115	038-13-215	5	1 to 2 years old	Yellow	10

High Flow Nasal Cannula



High Flow Nasal Cannulas can deliver a broad range of oxygen concentrations and flow rates, providing versatility to adapt to a patient's changing condition. Studies have shown that High Flow Nasal Therapy is able to deliver a modest amount of positive airway pressure and may provide a bridge from non-invasive ventilation to conventional O₂ delivery devices

Compatibility

Adaptor for a secure connection to either 22mm and 15mm respiratory limbs.

Soft Prongs

Anatomically curved, large bore nasal prongs minimise any jet effect and improve patient comfort even at high flow rates.

Soft Touch Tubing

Flexible and gentle on the ears and face, minimising friction and pressure on delicate tissues.

Adjustable Slider

Secure and comfortable fitting without the need for a head or neck strap.

Sizing Guide

Quickly and easily select the correct size for each patient using the individual sizing guide.



PART NUMBER	DESCRIPTION	MAXIMUM FLOW RATE	COLOUR	QUANTITY
032-13-150	High Flow Nasal Cannula Premature	8 L/min	Red	25
032-13-151	High Flow Nasal Cannula Neonate	8 L/min	Yellow	25
032-13-152	High Flow Nasal Cannula Infant	8 L/min	Purple	25
032-13-153	High Flow Nasal Cannula Intermediate Infant	8 L/min	Dark Blue	25
032-12-150	High Flow Nasal Cannula Paediatric	20 L/min	Green	25
032-12-151	High Flow Nasal Cannula Paediatric / Small Adult	40 L/min	Pink	25

Mini **VentiShield**™ Electrostatic Filter



038-42-360



038-42-365



038-42-366

	038-42-360	038-42-365	038-42-366
Efficiency	99.99%	99.99%	99.99%
Resistance 30L/min	1.9cm H ₂ O	1.9cm H ₂ O	2.2cm H ₂ O
Dead Space	25ml	25ml	35ml
Min VT*	75ml	75ml	105ml
Weight	19g	20g	28g
CO ₂ Port	None	Tethered	Tethered

038-42-360	Mini Bacterial / Viral Filter	50
038-42-365	Mini Bacterial / Viral Filter with tethered cap port	50
038-42-366	Mini Bacterial / Viral Filter with tethered cap port & Low Profile Elbow (22M/15F)	50

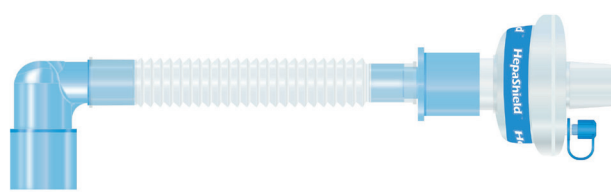
Paediatric **HepaShield**™ Pleated Hydrophobic Bacterial / Viral Filters



038-42-380



038-42-385



038-42-386

	038-42-380	038-42-385	038-42-386
Efficiency	99.99999%	99.99999%	99.99999%
Resistance 30L/min	2.7cm H ₂ O	2.7cm H ₂ O	2.8cm H ₂ O
Dead Space	35ml	35ml	56-74ml
Min VT*	105ml	105ml	168ml
Weight	26g	29g	47g
CO ₂ Port	None	Tethered	Tethered

038-42-380	Paediatric Pleated Hydrophobic Bacterial / Viral Filter	50
038-42-385	Paediatric Pleated Hydrophobic Bacterial / Viral filter with tethered cap port	50
038-42-386	Paediatric Pleated Hydrophobic Bacterial / Viral Filter with tethered cap port & Catheter Mount with Low Profile Elbow (22M/15F)	50



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