



Individual components may vary from those shown.

F&P 950 System

PREMIUM SYSTEM
PERFORMANCE

Easy to
set up
and use

Minimal
condensation

Advanced
protection



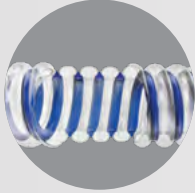
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Features and benefits



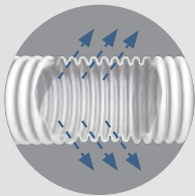
Fewer assembly connections*

The number of connections is limited to enable easy assembly and decrease the potential for system alarms due to incorrect setup.



AirSpiral™ inspiratory

AirSpiral technology protects humidified gases from the ambient conditions using insulating pockets of air and integrated wall heating along the length of the inspiratory limb. Compared with a conventional inspiratory limb, this technology helps to reduce the formation of condensate, while the smoothbore internal walls improve resistance to flow.



Evaqua™ 2 expiratory

Evaqua technology minimizes condensate by allowing humidity to freely permeate through the wall of the expiratory limb while preventing the diffusion of pathogens. Compared with a conventional expiratory limb, this technology decreases condensate in the expiratory filter and helps to reduce ventilation issues caused by mobile condensate.



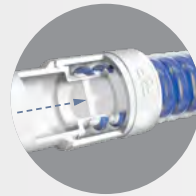
Neonatal Thermadapt™ technology

The 1.75-meter-long neonatal inspiratory limb incorporates Thermadapt technology which eliminates the need for an unheated extension. This technology enables independent heating of two zones within the inspiratory limb, and allows the F&P 950 System to automatically adapt to the different temperatures in incubators, warmers, or the ambient environment.



Touch screen

With an adult circuit connected, an interactive touch screen offers selection of Invasive, Mask, and Optiflow™ modes via a drop-down menu. While operating in either Mask or Optiflow mode, the temperature can be adjusted to support patient comfort. When a neonatal breathing circuit is connected a neonatal-specific mode is automatically activated.



Integrated probes

Temperature and flow probes have been integrated into the inspiratory limb and sensor cartridge, contributing to easier setup of the F&P 950 System. The integrated patient-end temperature sensor is disposed of with the single-use circuit, eliminating the need for disinfection or sterilization.



SensiDomes™

SensiDomes are silicone covers that stretch over the temperature and flow probes attached to the sensor cartridge and are embedded within the wall of the humidification chamber. These provide a microbial barrier between the probes and the humidified gases, while allowing accurate measurement to occur. The probes are not exposed to humidified gases, so disinfection or sterilization is not required.



Intuitive alarms

Animations or text are displayed on the touch screen when the device enters an alarm state, clearly communicating the corrective action required to troubleshoot the device.


* As compared with the F&P 850 System

F&P 950 System

F&P 950 System | Specifications

Indications for use	The F&P 950 Respiratory Humidifier is intended to provide heat and humidity to respiratory gases delivered to patients. It is for use in a professional healthcare facility by a health professional.	
Flow rates	Adult	Neonatal
Invasive	5–60 L/min	0.5–40 L/min
Mask (Adult) / CPAP (Neonatal) BCPAP (Neonatal)	5–120 L/min	0.5–40 L/min 4–15 L/min
Optiflow	5–70 L/min	0.5–40 L/min
Recommended ambient temperature range	18–26 °C	20–26 °C
Electrical classification	Class II	Class II
Standards	IEC 60601-1, ISO 8185, ISO 5356-1, ISO 5367, ISO 10993	IEC 60601-1, ISO 8185, ISO 5356-1, ISO 5367, ISO 10993

F&P 950 Heaterbase | Specifications

Product code	950AXX	
Pack components	F&P 950 Humidifier, user instructions, power cord	
Pack dimensions and weight	Length: 359 mm Width: 190 mm Height: 259 mm Weight: 4.25 kg	
Humidifier dimensions and weight	Length: 240 mm Width: 154 mm Height: 253 mm Weight: 3.5 kg (humidifier and power cord only)	
Quantity per pack	1 each	
Supply voltage	230 V AC	
Frequency	50/60 Hz	
Supply current	1.5 A max	
Heater plate capacity	200 W at normal mains voltage	
Heater plate thermal cutout	155 °C	
Heater wire supply	22 ± 5 V ~, 3.7 A max, 50/60 Hz	
Warm-up time	< 30 minutes	
Manufacturing mode	Produced in a controlled working environment	
Disposal	According to hospital procedure for electrical and electronic equipment	
Alarm sound level	Alarms exceed 45 dBA @ 1 m	
Regulatory		
Classification	AU IIa; NZ IIa; EU IIa	
Country of origin	New Zealand	

F&P 950 Sensor cartridge | Specifications



Product code	950S01
Pack components	Sensor cartridge, user instructions
Pack dimensions and weight	Width: 168 mm Height: 135 mm Depth: 88 mm Weight: 355 g
Quantity per pack	1 each
Manufacturing mode	Produced in a controlled working environment
Disposal	According to hospital procedure for electrical and electronic equipment
Humidifier compatibility	F&P 950 System only
Expected service life	15,000 hours of use ³ or 7 years ^{1,2,3} whichever is earlier
Regulatory	
Classification	AU IIa; NZ IIa; EU IIa
Country of origin	New Zealand

F&P 950 Expiratory heater wire adapter | Specifications



Product code	950X00
Pack components	Expiratory heater wire adapter, user instructions
Pack dimensions and weight	Width: 135 mm Height: 205 mm Depth: 15 mm Weight: 38.25 g
Quantity per pack	1 each
Disposal	According to hospital procedure for electrical and electronic equipment
Humidifier compatibility	F&P 950 System only
Expected service life	7 years ¹
Regulatory	
Classification	AU I; NZ I; EU I
Country of origin	China

1. Typical service assumes average usage pattern. Actual service life may vary.

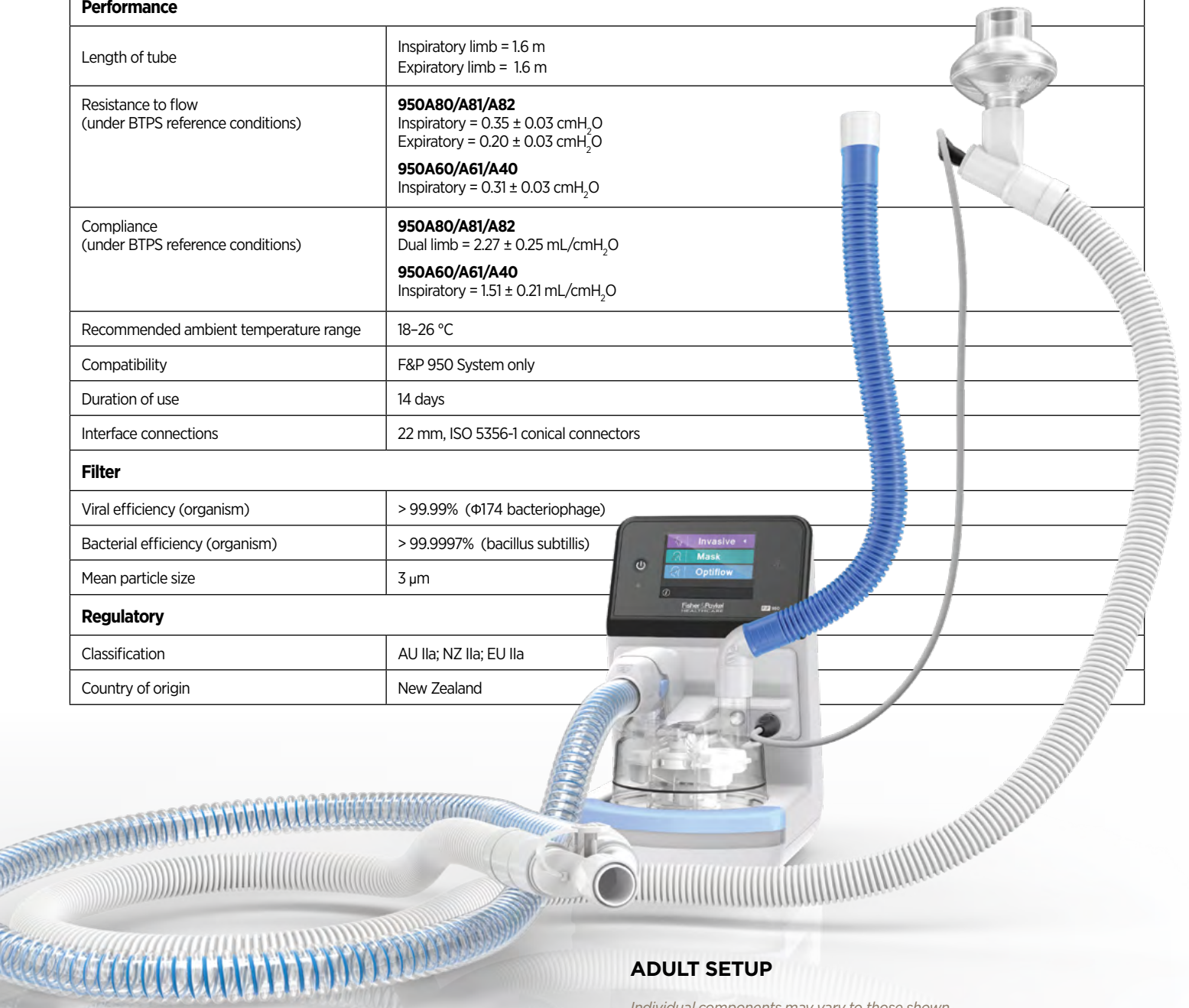
2. Time from the date of manufacturing.

3. The humidifier will generate a warning prior to expiry and an alarm after the expiry period.

F&P 950 System

F&P 950 Adult circuit kits | Specifications

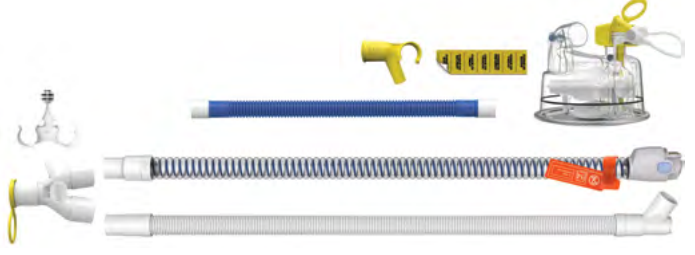
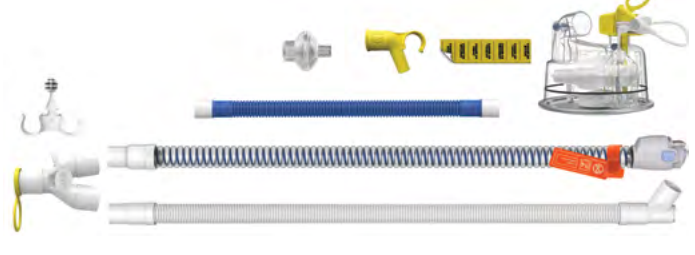




Usage	Single use only
Pack dimensions	Length: 770 mm; Width: 210 mm; Height: 425 mm
Quantity per pack	Pack of 10
Materials	Polyethylene, polypropylene, ABS (Acrylonitrile butadiene styrene), polycarbonate, thermoplastic elastomer, tin, copper, nickel, gold, aluminium, silicone, PVC, printed circuit board (not in gas path)
Manufacturing mode	Produced in a controlled working environment
Disposal	According to hospital procedure
Shelf life	2 years
Performance	
Length of tube	Inspiratory limb = 1.6 m Expiratory limb = 1.6 m
Resistance to flow (under BTPS reference conditions)	950A80/A81/A82 Inspiratory = 0.35 ± 0.03 cmH ₂ O Expiratory = 0.20 ± 0.03 cmH ₂ O 950A60/A61/A40 Inspiratory = 0.31 ± 0.03 cmH ₂ O
Compliance (under BTPS reference conditions)	950A80/A81/A82 Dual limb = 2.27 ± 0.25 mL/cmH ₂ O 950A60/A61/A40 Inspiratory = 1.51 ± 0.21 mL/cmH ₂ O
Recommended ambient temperature range	18–26 °C
Compatibility	F&P 950 System only
Duration of use	14 days
Interface connections	22 mm, ISO 5356-1 conical connectors
Filter	
Viral efficiency (organism)	> 99.99% (Φ174 bacteriophage)
Bacterial efficiency (organism)	> 99.9997% (bacillus subtilis)
Mean particle size	3 μm
Regulatory	
Classification	AU IIa; NZ IIa; EU IIa
Country of origin	New Zealand



ADULT SETUP

Individual components may vary to those shown.

F&P 950 Adult circuit kits* | Specifications

Product code	Contents	
950A80	Chamber Inspiratory limb Expiratory limb Dryline Adapters	
Adult ventilator dual heated circuit kit		
Weight 6.1 kg (pack of 10 including box)		
950A81	Chamber Inspiratory limb Expiratory limb Dryline Filter Adapters	
Adult ventilator dual heated circuit kit (with filter)		
Weight 6.3 kg (pack of 10 including box)		
950A82	Chamber Inspiratory limb Expiratory limb Dryline Filter Pressure line Adapters	
Adult ventilator dual heated circuit kit (with filter and pressure line)		
Weight 6.6 kg (pack of 10 including box)		
950A60	Chamber Inspiratory limb Dryline Pressure line Adapters	
Adult bi-level/CPAP heated circuit kit		
Weight 5.0 kg (pack of 10 including box)		
950A61	Chamber Inspiratory limb Dryline Filter Pressure line Adapters	
Adult bi-level/CPAP heated circuit kit (with filter)		
Weight 5.2 kg (pack of 10 including box)		
950A40	Chamber Inspiratory limb Dryline Adapters	
Adult Optiflow heated circuit kit		
Weight 4.5 kg (pack of 10 including box)		

*Not all kits are available in all markets.

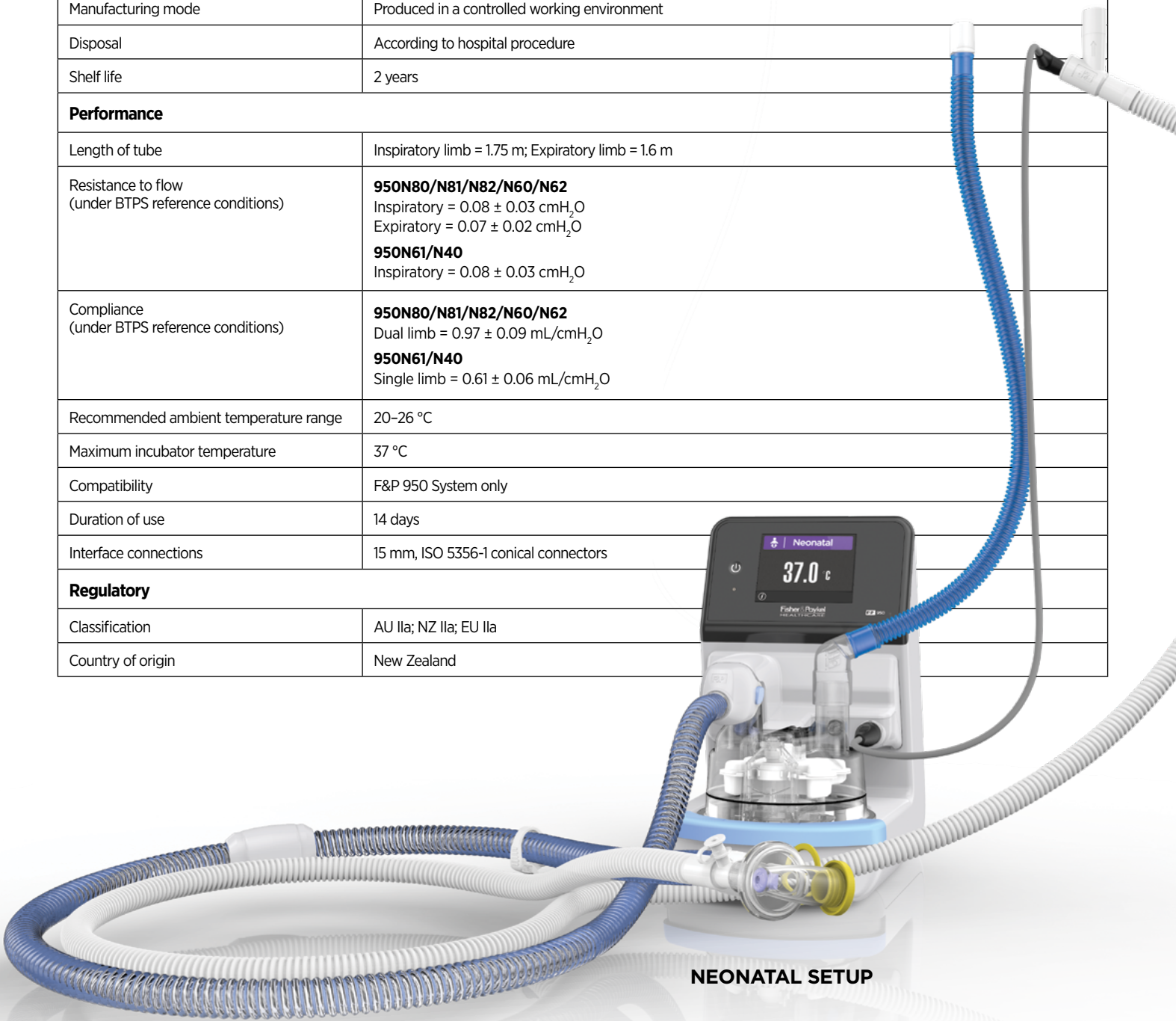
F&P 950 System



Individual components may vary from those shown.

F&P 950 Neonatal circuit kits | Specifications

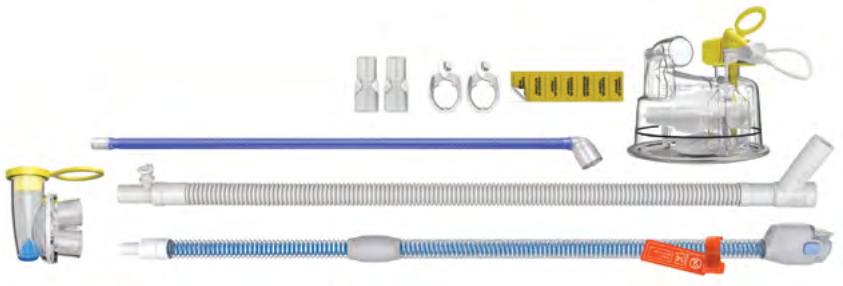
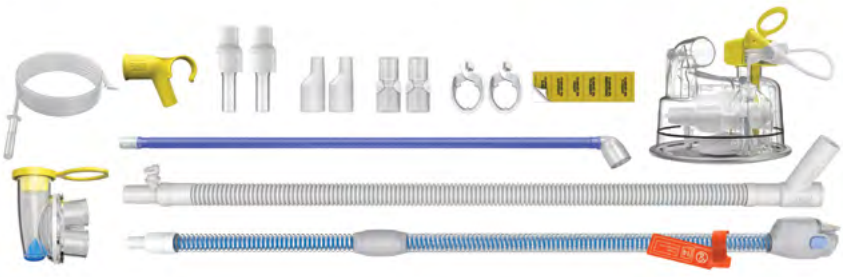

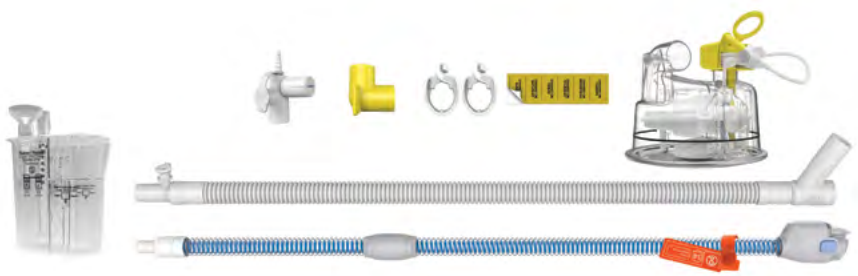
Usage	Single use only
Pack dimensions:	950N40, 950N61, 950N81, 950N80, 950N82 – Length: 735 mm; Width: 205 mm; Height: 390 mm 950N60, 950N62 – Length: 545 mm; Width: 400 mm; Height: 380 mm 950X08 – Length: 210 mm; Width: 255 mm; Height: 210 mm
Quantity per pack	Pack of 10
Materials	Polyethylene, polypropylene, polystyrene, ABS (Acrylonitrile butadiene styrene), polycarbonate, thermoplastic elastomer, tin, copper, nickel, gold, aluminium, silicone, PVC, printed circuit board (not in gas path)
Manufacturing mode	Produced in a controlled working environment
Disposal	According to hospital procedure
Shelf life	2 years
Performance	
Length of tube	Inspiratory limb = 1.75 m; Expiratory limb = 1.6 m
Resistance to flow (under BTPS reference conditions)	950N80/N81/N82/N60/N62 Inspiratory = 0.08 ± 0.03 cmH ₂ O Expiratory = 0.07 ± 0.02 cmH ₂ O 950N61/N40 Inspiratory = 0.08 ± 0.03 cmH ₂ O
Compliance (under BTPS reference conditions)	950N80/N81/N82/N60/N62 Dual limb = 0.97 ± 0.09 mL/cmH ₂ O 950N61/N40 Single limb = 0.61 ± 0.06 mL/cmH ₂ O
Recommended ambient temperature range	20–26 °C
Maximum incubator temperature	37 °C
Compatibility	F&P 950 System only
Duration of use	14 days
Interface connections	15 mm, ISO 5356-1 conical connectors
Regulatory	
Classification	AU IIa; NZ IIa; EU IIa
Country of origin	New Zealand



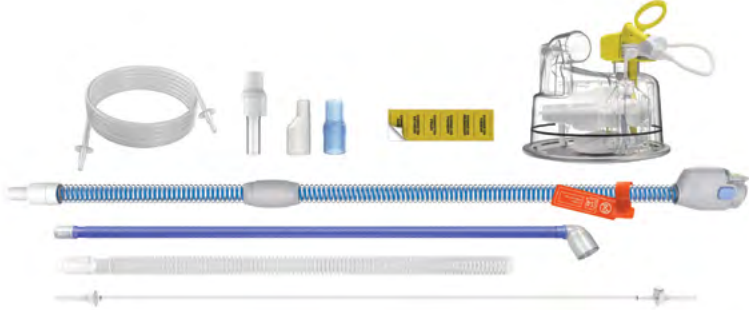
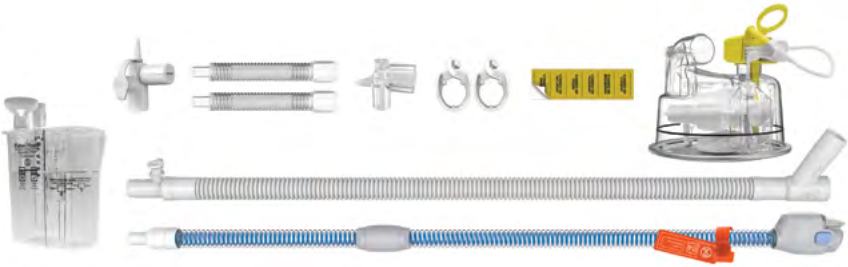


NEONATAL SETUP

F&P 950 System

F&P 950 Neonatal circuit kits* | Specifications

Product code	Contents
950N80	Chamber Inspiratory limb Expiratory limb Dryline Adapters
Neonatal ventilator dual heated circuit kit	
Weight 4.9 kg (pack of 10 including box)	
950N81	
Neonatal ventilator dual heated circuit kit (with accessories)	
Weight 5.6 kg (pack of 10 including box)	
950N82	
SLE4000/5000 ventilator circuit kit	
Weight 5.5 kg (pack of 10 including box)	
950N60	
Neonatal bubble CPAP dual heated circuit kit	
Weight 7.2 kg (pack of 10 including box)	

*Not all kits are available in all markets.

Product code	Contents
950N61	Chamber Inspiratory limb
Neonatal noninvasive single heated circuit kit	Dryline Pressure line Adapters Extensions
Weight 7.2 kg (pack of 10 including box)	
950N62	Chamber Inspiratory limb
Neonatal bubble CPAP dual heated circuit kit (for Hudson)	Expiratory limb Adapters Bubble CPAP generator Pressure manifold Extensions (connects to Hudson Prongs)
Weight 7.3 kg (pack of 10 including box)	
950N40	Chamber Inspiratory limb
Neonatal Optiflow Junior heated circuit kit	Adapters Pressure manifold
Weight 3.9 kg (pack of 10 including box)	
950X08	Adapters Unheated extension
Neonatal nitric oxide accessory kit	
Weight 0.9 kg (pack of 10 including box)	

F&P 950 System



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Please note that the information in this catalogue (including the product information and images) is summarized and provided for illustrative purposes only. Please refer to the relevant user instructions for more information and confirm details with your local Fisher & Paykel Healthcare representative prior to placing an order. Information is subject to change without notice.

F&P, F&P 950, AirSpiral, Evaqua, Thermadapt, Optiflow and SensiDomes are trademarks of Fisher & Paykel Healthcare Limited. For patent information, see www.fphcare.com/ip

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