

RT226 | SPECIFICATIONS

Infant Ventilator Circuit (0.3 To 4 L/min) Single Heated with MR290 Autofeed Chamber



CIRCUIT COMPONENTS AND COMPOSITION

Pack Components	1.1 m heated inspiratory limb, 0.3 m incubator extension, unheated expiratory limb with water trap, 0.6 m humidifier connection tube with nitric oxide port, swivel wyepiece, MR290V autofeed humidification chamber, pressure line, adaptor kit, label kit change out
Materials	Polypropylene, thermoplastic elastomer, linear low-density polyethylene, low-density polyethylene, high-density polyethylene, silicone, brass, styrene resin, cyanoacrylate, DEHP-free PVC Not made with natural rubber latex.
Quantity	10 circuits per carton
Carton Dimensions and Weight	Length: 530 mm; Width: 210 mm; Height: 400 mm; Weight: 4.12 kg
Carton Material	Cardboard box
Manufacturing Mode	Produced in a Controlled Working Environment
Disposal	Incineration, or According to Hospital Protocol
PERFORMANCE SPECS	
Resistance to Flow (with and without accessories)	Inspiratory limb: 0.09 ± 0.04 cmH ₂ O Expiratory limb: 0.04 ± 0.04 cmH ₂ O @ 2.5 L/min (including 0.03 cmH ₂ O measurement uncertainty)
Flow Rate	0.8–6 L/min at Ambient Temperature 20–26°C 0.3–6 L/min at Ambient Temperature 23°C
Circuit Length	Inspiratory: 1.6 m Expiratory: 1.6 m
Minimum Tube Internal Diameter	10.2 mm
Ambient Range	20–26 °C / 68–79 °F
Compliance @ 60cmH₂O Without accessories With accessories	1.4 ± 0.09 mL/cmH ₂ O 1.4 ± 0.07 mL/cmH ₂ O (including 0.02mL/cmH ₂ O measurement uncertainty)
Humidifier Compatibility	MR850 humidifier
Humidifier Mode	Invasive
Compressible Volume	830 mL
Duration of Use	7 days
Use	Single patient
Recommended Gas Source	Air/Oxygen
Interface Connections	ISO 5356-1 Conical Connectors
Shelf Life	5 years
Gas Leakage	<30 mL/min at 60 cmH ₂ O (ISO 5367)
Storage Temperature	Lower temp limit: -10 °C Upper temp limit: 50 °C
Tidal Volume	<185 mL

CHAMBER	MR290
Interface Connections	ISO 5356-1 Conical connector (22 mm Male)
Maximum Chamber Operating Pressure	8 kPa
Maximum Peak Flow	180 L/min for 30 secs
Gas Leakage	< 10 mL/min @ 8 kPa
Materials	ABS, Polystyrene, Polyethylene, Thermoplastic Elastomer, Aluminium, Ink, Polypropylene, Adhesive, Polycarbonate, Silicone, DEHP-free PVC
Compliance	0.4 mL/cmH ₂ O
Compressible Volume	280 mL
Resistance to Flow	At 60 L/min: 0.52 cmH ₂ O
REGULATORY	
Classification	AU IIa; EU IIa; CA 2; USA II. For more Regulatory information visit: www.fphcare.com/regulatory
Country of Origin	New Zealand
Intended Use	This device is intended to deliver respiratory gases to infant patients who are dependent on mechanical respiratory support.
Notified Body Identification Number	TÜV SÜD Product Services GmbH CE0123
GTIN Number	09420012431165 (EA) 09420012411327 (PAC)
UNSPSC Number	42272224
GMDN Code	37706
Biocompatibility	Meets standards: ISO 10993-3, ISO 10993-5, ISO 10993-6, ISO 10993-10