



## RT225 | SPECIFICATIONS

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

### CIRCUIT COMPONENTS AND COMPOSITION

<b>Pack Components</b>	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
<b>Materials</b>	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
<b>Quantity</b>	10 circuits per carton
<b>Carton Dimensions and Weight</b>	Length: 530 mm; Width: 210 mm; Height: 400 mm; Weight: 4.11 kg
<b>Carton Material</b>	Cardboard box
<b>Manufacturing Mode</b>	Produced in a Controlled Working Environment
<b>Disposal</b>	Incineration, or According to Hospital Protocol

### PERFORMANCE SPECS

<b>Resistance to Flow</b> (with and without accessories)	Inspiratory limb: 0.09 ± 0.04 cmH <sub>2</sub> O Expiratory limb: 0.04 ± 0.04 cmH <sub>2</sub> O @ 2.5 L/min (including 0.03 cmH <sub>2</sub> O measurement uncertainty)
<b>Flow Rate</b>	4–15 L/min at Ambient Temperature 20–26 °C
<b>Circuit Length</b>	Inspiratory: 1.6 m Expiratory: 1.6 m
<b>Minimum Tube Internal Diameter</b>	10.2 mm
<b>Ambient Range</b>	20–26 °C / 68–79 °F
<b>Compliance @ 60 cmH<sub>2</sub>O</b> Without accessories With accessories	1.4 ± 0.09 mL/cmH <sub>2</sub> O 1.4 ± 0.07 mL/cmH <sub>2</sub> O (including 0.02 mL/cmH <sub>2</sub> O measurement uncertainty)
<b>Humidifier Compatibility</b>	Compatible with Fisher & Paykel Healthcare MR810 and MR850 humidifiers.
<b>Humidifier Mode</b>	Invasive
<b>Compressible Volume</b>	830 mL
<b>Duration of Use</b>	7 days
<b>Use</b>	Single patient
<b>Recommended Gas Source</b>	Air/Oxygen
<b>Interface Connections</b>	ISO 5356-1 Conical Connectors
<b>Shelf Life</b>	5 years
<b>Gas Leakage</b>	<30 mL/min at 60 cmH <sub>2</sub> O (ISO 5367)
<b>Storage Temperature</b>	Lower temp limit: -10 °C Upper temp limit: 50 °C
<b>Tidal Volume</b>	<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 <sub>2</sub> O
Compressible Volume	280 mL
Resistance to Flow	At 60 L/min: 0.52 cmH <sub>2</sub> O
REGULATORY	
Classification	AU IIa; EU IIa; CA 2; USA II. For more Regulatory information visit: <a href="http://www.fphcare.com/regulatory">www.fphcare.com/regulatory</a>
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	09420012431080 (EA) 09420012403674 (PAC)
UNSPSC Number	42272224
GMDN Code	37706
Biocompatibility	Meets standards: ISO 10993-3, ISO 10993-5, ISO 10993-6, ISO 10993-10