

BREATHING CIRCUITS (Adult)

RT280 – Dual Limb Adult Circuit Kit with Evaqua™ 2 Technology



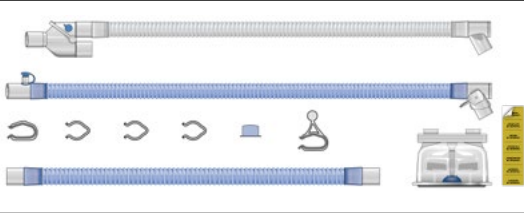
Specifications

Interface Connections	ISO 5356-1 Conical Connectors
Compressible Volume	1.60 L
Compliance @ 60 cmH₂O Without Accessories	2.18 ± 0.11 mL/cmH ₂ O (including 0.02 mL/cmH ₂ O measurement uncertainty)
Resistance to Flow @ 30 L/min Without Accessories Inspiratory limb Expiratory limb	0.77 ± 0.05 cmH ₂ O 0.20 ± 0.04 cmH ₂ O (including 0.03 cmH ₂ O measurement uncertainty)
Breathing Tube Length Inspiratory limb Expiratory limb	1.6 m 1.6 m
Minimum Tube Internal Diameter	20 mm
Gas Leakage @ 60 cmH₂O	<40 mL/min
Tidal Volume	>120 mL
Humidifier Compatibility	Compatible with Fisher & Paykel Healthcare MR850 humidifiers. Refer to humidifier user instructions
Duration of Use	14 days
Use	Single patient
Shelf Life	5 years

Performance | Specifications

Overall Performance at 20 °C to 26 °C Ambient Temperature	Invasive Mode	Noninvasive Mode (Mask Mode)
Humidification Output	>33 mg/L	>12 mg/L
Flow Rate	5-60 L/min	5-120 L/min

Circuit Components and Composition | Specifications

Pack Components Dryline 0.5 m, expiratory Evaqua 2, Inspiratory Microcell™, Non-DEHP MR290V Chamber, Y-piece, Clip Double Circuits 1-Use, Clip Single Circuits 1-Use, Adapter, Cap, Hanger Circuit Single Use, Change Out Label	
Filter Included?	No
Manufacturing Mode	Produced in a Controlled Working Environment
Disposal	Incineration or according to hospital protocol

Materials | Specifications

Chamber	Adhesive, Aluminium, Ink, polypropylene, TPE, Non DEHP PVC, Polycarbonate, Polystyrene, ABS, Silicone
Other Components (Circuit)	Cyanoacrylate, Brass, polyethylene, high-density polyethylene, acetal, thermoplastic elastomer, polypropylene, modacrylic, polyether-ester elastomer, polycarbonate, linear low-density polyethylene
Contains DEHP?	No
Contains Latex?	No
Mercury Content	Not made with materials containing mercury or mercury compounds

Chamber (MR290) | Specifications

Interface Connections	ISO 5356-1 Conical Connectors (22 mm Male)
Compliance	0.4 mL/cmH ₂ O
Compressible Volume	280 mL
Resistance to Flow @ 60 L/min	0.52 cmH ₂ O
Maximum Operating Pressure	8 kPa
Maximum Peak Flow	180 L/min for 30 sec
Gas Leakage	<10 mL/min

Packaging | Specifications

Carton Dimensions	775 x 205 x 430 mm (30.5 x 8.1 x 16.9 inches)
Carton Weight	4.93 kg (10.87 lbs)
Carton Quantity	Box of 10 circuit kits
Packaging Material	Cardboard box

Regulatory | Specifications

Classification	Canada 2, USA 2
Country of Origin	Mexico
Intended Use	For delivery of breathing gases to adult patients requiring respiratory support. For use in an Intensive Care environment in conjunction with life support equipment.
Notified Body Identification Number	TÜV SÜD Product Services GmbH CE 0123
GTIN Number	09420012430373 (EA) 09420012428837 (PAC)
UNSPSC Number	42272224
GMDN Code	37706