

Fisher & Paykel Healthcare has a range of circuits that can be used with the F&P MR850 Humidifier. They have been designed for the delivery of Nasal High Flow therapy and can be used in conjunction with the F&P Optiflow™ Junior nasal interface range.



#### Insulating Sleeve

Double layer tube construction helps maintain circuit performance in different environmental conditions.



#### Clothing Clip

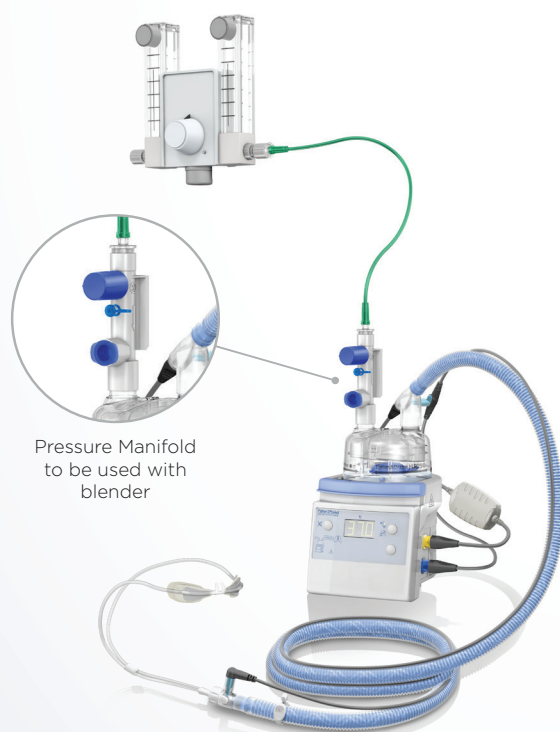
Movable clip that fixes to caregivers clothing or bedding.



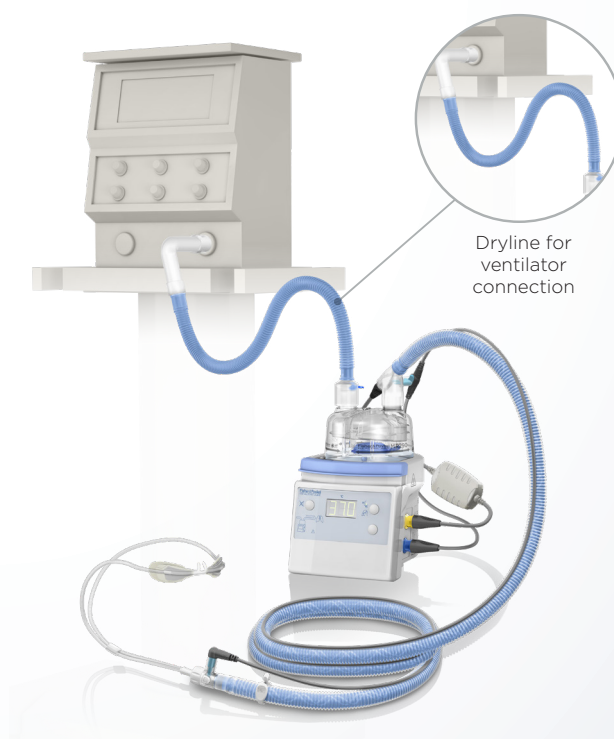
#### High Flows

Able to deliver a higher range of flows compared to conventional circuits.

### RT330 – Blender Circuit








### RT331 – Ventilator Circuit



## Optiflow Junior Breathing Circuit Specifications MR850

	RT330	RT331
<b>PRODUCT SPECIFICATIONS</b>		
Max flow rate (L/min)	0.5-36	1.1-45
Pressure manifold	40 cmH <sub>2</sub> O pressure pop-off	N/A
Circuit weight pack	257g	239g
Box components	Inspiratory limb, chamber, pressure manifold, user instructions	Inspiratory limb, dryline, chamber, user instructions
Length of tubing	1.75 m/5.7 ft	
Compatible with	F&P Optiflow Junior (OPT31X), Optiflow Junior 2 (OJR41X), Optiflow Junior 2+ (OJR52X) range	
Quantity	Box of 10	
<b>PERFORMANCE</b>		
Ambient temperature range	20 – 26 °C / 68 – 79 °F	
Humidifier	F&P MR850 Humidifier (Invasive mode)	
Usage	Single patient use; maximum 7 days	
Duration of use	7 days	
Recommended gas source	Medical gas	
<b>COMPONENTS AND COMPOSITIONS</b>		
Predominant materials	High density Polyethylene, Polypropylene; PTFE; DEHP free PVC, ABS	
Materials not present	Not made with natural rubber latex, Not made with phthalates (DEHP, DBP, BBP)	
Manufacture	Noninvasive device; produced in a controlled working environment	
Disposal	Incineration or according to hospital protocol	
<b>REGULATORY</b>		
Classification	AU-IIa, EU-IIa, Canada-II, US-II	
Country of origin	New Zealand	
Notified body	TÜV SÜD Product Service GmbH CE0123	

### Common ventilators for RT331 Circuit

PRODUCT CODE	OJR410 XS 	OJR412 S 	OJR414 M 	OJR416 L 	OJR418 XL 
<b>DRAEGER BABYLOG VN500 VENTILATOR, DRAEGER EVITA INFINITY V500 VENTILATOR</b>					
Maximum flow rates <sup>1</sup> (L/min) - RT331	8	9	10	20	22
Pressure limit	30 cmH <sub>2</sub> O				
Ventilator mode	O <sub>2</sub> therapy				
<b>MAQUET SERVO-U VENTILATOR</b>					
Maximum flow rates <sup>2</sup> (L/min) - RT331	8 <sup>3</sup>	9 <sup>3</sup>	10 <sup>3</sup>	21 <sup>3</sup>	23 <sup>3</sup>
Pressure limit	50 cmH <sub>2</sub> O				
Ventilator mode	High flow				
<b>HAMILTON-S1 VENTILATOR, HAMILTON-G5 VENTILATOR</b>					
Maximum flow rates <sup>4</sup> (L/min) - RT331	8	9	10	22 <sup>3</sup>	24 <sup>3</sup>
Pressure limit	60 cmH <sub>2</sub> O				
Ventilator mode	High flow O <sub>2</sub>				

- Flow rates achieved in Neonatal mode and Pediatric mode. Draeger Babylog VN500 and Draeger Evita Infinity V500 Ventilators limit the flow rate to 12 L/min in Neonatal mode.
- Maquet Servo-U Ventilator limits the flow rate to 10 L/min in Neonatal mode.
- Flow rate achieved in Pediatric mode.
- Hamilton S1 and Hamilton G5 Ventilators limit the flow rate to 12 L/min in Neonatal mode.
- Flow rate achieved in Pediatric mode.

Flow rates above describe technical capability of the product when used at sea level. Ensure clinical judgement is used when prescribing flow rates. Maximum flow rates achieved are ventilator dependent. Refer to the manufacturer's instructions for correct usage.

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