

# F&P 850

## MR850 – RESPIRATORY HUMIDIFIER

Model: MR850JSU



### Specifications

<b>Intended Use</b>	The MR850 Respiratory Humidifier is used to warm and humidify gases delivered to patients requiring mechanical ventilation, positive-pressure breathing assistance, or other medical gases.
<b>Clinical Procedures</b>	Invasive ventilation Noninvasive ventilation Nasal high flow Low flow oxygen therapy
<b>Use</b>	Multi-use
<b>Service Life</b>	7 years (if used in accordance with the User Instructions)
<b>Dimensions</b>	140 x 173 x 135 mm (5.5 x 6.8 x 1.4 inches) with no chamber fitted
<b>Weight</b>	2.8 kg (6.17 lbs) with no chamber fitted 3.1 kg (6.83 lbs) with chamber fitted and filled with water
<b>Mounting Fixture</b>	30 x 5 mm mounting tongue
<b>Materials</b>	Aluminum, Steel, Copper, Tin, Silver, PEEK, Silicon, PVC, Teflon, Fiberglass, Ceramic
<b>Mercury Content</b>	Not made with materials containing mercury or mercury compounds
<b>Manufacturing Mode</b>	Produced in a Controlled Working Environment
<b>Disposal</b>	At the end of service life, discard according to standard hospital procedure for electrical and electronic equipment

### Electrical | Specifications

<b>Supply Voltage</b>	115 V-
<b>Supply Current</b>	2.0 A Max
<b>Rated Power</b>	220 VA
<b>Supply Frequency</b>	50 / 60 Hz, Sine Wave
<b>Heater-wire Output</b>	22 V-, 2.73 A, 60 W
<b>Heater-plate Output</b>	150 W

### Performance | Specifications

	<b>Invasive Mode</b>	<b>Noninvasive Mode</b>
<b>Humidity Performance</b>	≥ 33 mg/L	≥ 12 mg/L
<b>Flow Range</b> (refer to Breathing Circuit User Instructions for specific range)	≤ 60 L/min	≤ 120 L/min
<b>Chamber Outlet Control Temperature Range</b>	35.5 – 42 °C	31 – 36 °C
<b>Airway Control Temperature Range</b>	35 – 40 °C	28 – 34 °C
<b>Warm-up Time</b>	< 30 mins	
<b>Temperature Display Range</b>	10 – 70 °C	
<b>Gas Temperature Measurement Accuracy</b>	± 2 °C (Temperature Probe accuracy: ± 0.3 °C, in 25 - 45 °C range)	
<b>Maximum Operating Pressure</b>	Refer to chamber and breathing circuit specifications	

## Recommended Environmental Conditions | Specifications

Ambient Temperature Range	18 – 26 °C (Breathing circuit kits specify operating ranges within these limits)
Ambient Humidity	10 – 95% RH
Ambient Pressure	700 – 1060 hPa

## Alarm Parameters | Specifications

Alarm Sound Pressure Level	> 50 dBA at 1 m
Audio Information Signal	Single beep or double beep
Alarm Conditions	High Temperature Low Temperature Water Out Temperature Probe Disconnect Heater Wire Disconnect Chamber Probe Out Airway Probe Out See Manual
Auditory Alarm Pause	120 sec

## Classifications | Specifications

Electrical Classification	Class I, continuous
Humidifier Classification	Category 1
Ingress Classification	IPx1
Degree of Protection against Electric Shock	Type BF applied part
Classification of Installation and Use	Portable

## Packaging | Specifications

Quantity/Package	1 ea
Packaging Material	Cardboard box
Dimensions	214 x 212 x 196 mm (8.4 x 8.4 x 7.7 inches)
Typical Weight	3.12 kg (6.88 lbs)

## Regulatory | Specifications

Classification	Mexico II, Taiwan 2
Packaging Material	New Zealand
Notified Body Identification Number	TÜV SÜD Product Services GmbH CE 0123
GTIN Number	9420012407306
UNSPSC Number	42271801
GMDN Code	12050

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