F&P my820 System

F&P my820 – RESPIRATORY HUMIDIFIER BASE

Model: my820JUS

Specifications

Intended Use	The F&P 820 System is intended to provide therapeutic levels of heat and humidity to a patient's inspired respiratory gases when using a continuous or intermittent ventilator system or a continuous gas flow. This system is intended for both noninvasive and invasive therapies. The addition of heat and humidity to the supply of cold and dry respiratory gases provided through noninvasive or invasive ventilation is beneficial to prevent drying of the patient's airways. The F&P 820 System is designed for adults and pediatric patients (excluding neonate) requiring a flow range ≥ 5 L/min. It is designed for use in hospitals, long term care facilities and homes, under the prescription of qualified medical professionals.
Clinical Procedures	Invasive ventilation Noninvasive ventilation Humidified high flow
Use	Multi-patient, Multi-use
Expected Service Life	7 years (when used in accordance with the User Instructions)
Dimensions	98 x 135 x 154 mm (3.9 x 5.3 x 6.1 inches) with no chamber fitted
Weight	1.7 kg (3.7 lbs) with no chamber fitted
Mounting Fixture	30 x 5 mm mounting tongue
Manufacturing Mode	Produced in a Controlled Working Environment
Disposal	At the end of service life, dispose of the humidifier as per responsible organization's or local authorities' guidelines.

Electrical | Specifications

Supply Voltage	115 V
Permissible Supply Voltage Fluctuation	± 10%
Rated Power	200 VA
Supply Frequency	50/60 Hz
Heater-wire Adapter Voltage	22 V
Heater-wire Adapter Power	35 W max.

Performance | Specifications

	Setting 1	**Setting 2**	**Setting 3**	**Setting 4**
Gas Temperature at Patient End of Breathing Tube*	26–34 °C (79–93 °F)	29–37 °C (85–99 °F)	32–40 °C (90–104 °F)	35–43 °C (95–109 °F)
Humidity Performance**	≥ 12 mg/L			≥ 33 mg/L
Flow range (BTPS)	5–70 L/min			5–40 L/min
Warm-up Time	< 60 minutes			
(including 1 °C temperature measurement uncertainty and 1 mg/L humidity measurement uncertainty)				

** The F&P 820 humidifier does not have an over temperature alarm, and the gas temperature ranges at the patient end of the breathing tube shown above are the expected values across the normal operating range.*

***Humidity performance (except in the event of a humidity alarm, power failure or electromagnetic disturbance)*

Recommended Environmental Conditions | Specifications

Ambient Temperature Range	18–26 °C (64–79 °F)
Ambient Relative Humidity	15–90%
Ambient Pressure	700–1060 hPa

Alarms | Specifications

Alarm Sound Pressure Level	> 45 dBA @ 1 m
Audio Alarm Signal Medium Priority Alarms	 Three beeps (repeating)
Alarm Indicators	Check Water Caution Check Heater Wire Audio Alarm Paused
Auditory Alarm Pause	120 sec

Packaging | Specifications

Quantity per box	1
Packaging Material	Cardboard box and LDPE plastic bag
Dimensions	215 x 215 x 200 mm (8.5 x 8.5 x 7.9 inches)
Typical Weight (including contents)	2.3 kg (5.07 lbs)

Classifications | Specifications

Electrical Classification	Class II, continuous
Humidifier Classification Settings 1–3 Setting 4	 Category 2 Category 1
IP Classification	IP21 Protected from ingress by fingers or similar objects and protected from dripping liquid
Degree of Protection Against Electrical Shock	Type BF applied part

Regulatory | Specifications

Classification	USA II
Country of Origin	New Zealand
GTIN Number	9420012457653
UNSPSC Number	42271801
GMDN Code	12050
Standards Compliance	ISO 80601-2-74:2017 (clause 201.12.1.102a was not tested) IEC 60601-1:2005 + A1:2012 IEC 60601-1-2:2014 + A1:2020 IEC 60601-1-11:2015 IEC 60601-1-8:2006 + A1:2012