

Biovent^A HF80TM High Flow Generator



The Ultimate Device
For **All Types**
Of Respiratory Failure



Specifications

Patient Types

Adult

Pediatric (≥ 8 kg)

Modes

Mode	Parameter	Setting	Step
HFNC (High Flow Nasal Cannula)	FiO ₂	0-100%	5%
	Flowrate	0-80 LPM	0.5, 1 or 5 LPM
Turbo (High Speed Gas Delivery)	FiO ₂	0-100%	5%
	Flowrate	0-40 LPM	0.5, 1 or 5 LPM

Parameters

Therapy Time	Manual, 1-5 hr
Nebulizer Option	Off-On
Nebulizer Timer	1-60 min
Monitored Parameters	Flow, FiO ₂

Waveform Window

Pressure Waveform

Flow Waveform

Alarms

Obstruction, Low O₂ Flow, Excessive O₂ Flow, O₂ Supply Pressure, O₂ Source Selection Error, Switchover to Battery, Battery Less than 10 minutes & 5 minutes, High Pressure in Patient Circuit, Change Filter.

Electrical Specifications

Internal Power Supply Specifications

Input Voltage 100-240VAC

Input Frequency 50/60 Hz

Rated Power 200 Watt

External DC Power Input

Input Voltage 24VDC

Internal Battery Specifications

Battery Type 100-240VAC

Backup Time 50/60 Hz

Battery Voltage 200 Watt

Nominal Capacity 6700mAh

Protection Over/ Under voltage, Over Current, Cell balancing

Humidification

BioAir S320™: Servo Heated Wire Humidifier

BioAir M100™: Heated Humidifier

Regulatory Compliance

IEC 60601-1 Ed 3.2 2020-08

IEC 60601-1-2 Ed 4.0 2014-02

IEC 60601-1-6 Ed 3.1 2013-10

IEC 60601-1-8 Ed 2.1 2012-11

ISO 80601-2-90:2021

Gas Sources

Air Source (Blower) Min. 40,000 Operating hours

Oxygen source 1 High Pressure 2.8 – 6 Bars

Oxygen source 2 Low Flow 0 – 60 LPM

Physical Specifications

Weight 5kg

Dimensions (in mm) 160 (H) X 265 (W) X 340 (D)

Display LCD 5-inch screen

IP Class IP20

Environmental Operating Conditions

Temperature +5 - +40°C

Relative Humidity 15 - 95% (Non Condensing)

Barometric Pressure 79.9 - 101.1 kPa

Other Features

SD Card to export data

USB Port

Nurse Call

Serial port

Trends to view historic data

SPO₂ (Optional)