

Respiratory Support System



 Respiratory

Respiratory Support System

The Respiratory Support System (RSS) combines multiple proven products into one functional mobile system for your complete invasive and non-invasive ventilation needs. This system will allow intubated or masked patients to receive ventilation care in either an ICU or transitional care setting. The RSS connects to your air or oxygen source and is compatible with most existing hospital medical gas infrastructures. This system is new and features a one year warranty



MVP Ventilator

Provides ventilation with the benefit of allowing spontaneous breathing

Waveline ECO Patient Monitor

This user -friendly monitor offers superb performance, measuring up to six parameters on a high-tech, low-power screen

High-Low Flow Oxygen Blender

Mixes medical grade compressed air and oxygen to provide a pressurized gas source ranging from 21 to 100 percent oxygen.

PH300 Humidifier

Delivers warm and humidified air and oxygen to patients.



- Pneumatically driven
- Provides invasive and non-invasive ventilation
- Pre-set flow rate
- Volumes derived from Time & Flow
- Includes reusable PEEP valve, patient circuit and hose
- ECG, NIBP, SPO2, Temp & Respiration
- Also available with optional EtCO2
- Choose from multiple language options
- Long-life battery backup
- Includes standard accessory packet
- Designed for use with all ventilators
- Adjustable temperature control
- Please specify 110 or 220 volt

Technical Specifications

MVP

Ventilator

Supply Pressure	Specified connection 4 bar medical air or Oxygen Working Range 3.5 to 8 BarG specified range which is the typical pressure delivered by 4 bar and 7 bar pipelines 2.8 to 10 BarG shall cause no safety hazard in single faulty condition
Supply Quality	Clean Dry medical grade Air/Oxygen
Gas Supply Temperature	10°C to 40°
Filtration Required within Ventilator	40 Micron or better
Environmental Temperature storage and transport	5°C to 50°C
Transport Temperature	-18 °C to 60°C
Environmental Temperature operating	10°C to 40°C
Patient Valve	
Connection to breathing circuit connections	22mm with 15mm internal female taper.
Integral pre-set pressure limiting safety valve	60 cmH ₂ O ± 2.5 cmH ₂ O.
Input Fittings	Input fitting to Ventilator will be a BSP threaded port.
System On/Off Control Type of Operator	¼ Twist bi-stable control knob with on/off indicator symbols
System Pressure Regulator	This is supplied pre-set and shall NOT be user adjustable without removing the cover of the unit using tools. This is a safety feature to prevent excessive pressure in a single failure mode.
On Timer Timing Range	0.25 to 2.5 seconds +/- 10% of set value
Adjustment Range	Rotary control 300° +/- 5° Graduation 0.25, 0.5, 1.0, 1.5, 2.0, 2.5 control will be non-linear
Airway Manometer	Respiratory manometer with a range of -20 to 100 cmH ₂ O Major graduations at increments of 10 cmH ₂ O stating the value Minor graduations at increments of 2 cmH ₂ O without numbers
Flow Control Flow Range	0.1 to 1 Litre per second +/-10% of set value
Adjustment Range	Rotary Control 300° +/- 5° Graduation 0.25, 0.25, 0.75, 1.0 control will be non-linear
Usability	The four rotary controls will include: On/Off, Inspiratory Flow, Inspiratory Time, Expiratory Time The controls will enable a constant flow during the inspiratory phase and infinite variability of I:E settings within the range of the controls.

Technical Specifications

Material	All materials will be compatible with air and oxygen. No animal tissues or derivatives thereof are to be used in the device or its manufacturing process.
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Waveline ECO Patient Monitor

Display	12.1 inch display 800 x 600 resolution
Electrical	3.5 hour battery duration
Storage	2000 NIBP measurements 200 alarm events 48 hours waveform data 1000 hours trend diagram review 1000 hours trend table review 120 minutes dynamic trend
Interface Options	All leads display interface Trend coexistence interface Large font Interface NIBP review interface Respiratory oxygenation map interface

PH300

Humidifier

Classification	Class IIb, Type B, IPX1
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Supply Voltage/Frequency	220/110V, 50/60Hz
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Heater

Heater Plate	150W
Heater Wire (Max.)	22V-, 2.73A, 60W, 50/60Hz

High-Low Flow

Oxygen Blender

Size	3.5" H x 2.25" W x 4.5" D (9 cm x 5.6 cm x 11.5 cm)
Weight	2.75 lbs (1.4 kg)
Pressure	
Gas Supply Pressure	30-75 PSIG (207 kPa - 517 kPa)
Knob Adjustment Range	21% - 100%
Flow	
Primary Outlet Flow Range	15 to 120 LPM (no bleed)
Maximum Flow	@ 60% Knob Setting 120 LPM
Flow	@ 21% of 100% Knob Setting 90 LPM
Auxiliary Outlet Flow Range	2 to 100 LPM (bleed 10-12 LPM)
Accuracy	±3% of full scale over the stated flow ranges
Alarm	
Alarm/Bypass Activation	When inlet gas pressures differ by 20 PSI ±2 (138kPa ±13.8) or more
Alarm Sound Generator	Vibrating reed
Alarm/Bypass Reset	When inlet pressure differential is 6 PSIG (41.4 kPa) or less

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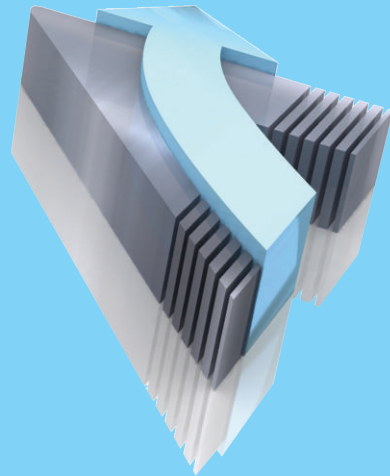
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