



ALLIED
MEDICAL

Jupiter Ventilator



Medical Air Compressor
(Optional)

- Pneumatically Driven Ventilator
- Driven from pipeline/cylinder/ Air compressor
- Mains and battery operated.
- Bar graph displays dynamic airway pressure showing upper and lower pressure limits.
- Displays Peak Pressure Digitally for every breath
- Settable parameters - BPM, I:E ratio pressure limits and inspiratory flow rates
- 21% – 100% FiO₂ settings.
- Built-in audio-visual alarms

“Time cycled pressure limited electronically controlled ventilator”

“Unique inbuilt calculator to guide initial setting of ventilation parameters and inspiratory flow”

Inverse Ratios : The ventilator has the ability to adjust substantially when clinical conditions require inverse I:E.

Inspiratory flow cut off : The inspiratory phase changes to expiratory in case the dynamic pressure reaches the high-pressure limit. High-pressure Audio-visual alarm will also be activated.

Apnea alarm/ low airway pressure alarm : If the dynamic pressure fails to go above the low-pressure limit within 15sec, then the low airway audio visual pressure alarm will be activated.

Technical Specifications

Tidal Volume	50ml–1500ml
Display	3.2" Mono-chromatic
Modes	A-CMV
Frequency	1–100BPM
FiO2	21–100 %
I:E Ratio	4:1–1:10
Inspiratory gas flow control	0.1–1.0 L/Sec
Built-in pressure relief valve	70cmH ₂ O
Patient Trigger	(-)5cmH ₂ O (Fixed)
Supply pressure	280–700 kPa (45–100 psi)
Graphical Pressure indication (Bar graph)	(-)10–80cmH ₂ O
Power Supply	220V–240V AC 50Hz
Internal Battery Backup	4hrs.

Audio Visual Alarms

Low Airway Pressure (Apnea)	3–25cmH ₂ O (Adjustable)
High Airway Pressure	15–80cmH ₂ O (Adjustable)
Low Supply Gas Pressure	<250 kPa
Alarm Mute	120 Sec except for Low Supply Gas Pressure

Note: once alarm condition is rectified audio alarm will stop and visual alarm will continue till reset button is pressed.

Standard Accessories

Patient breathing circuit with expiratory valve
High pressure Medical Air and O ₂ tubing
Facemask
Power Cable

Optionals

Regulator for O ₂ Cylinder
Medical Air Compressor
Humidifier

Works on A-CMV : With the Preset (-) 5 cmH₂O of trigger level the ventilator has the ability to synchronize with the patient breath.

Air/ O₂ Blender : Built in oxygen and Air blender that gives 21% to 100% setting of FiO₂



Jupiter Ventilator with Trolley

Physical Specifications

Ventilator Size	H205mm x W335mm x D345mm
Ventilator Weight	9 Kg. Approx.
Trolley Size	H935mm x W570mm x 540mm
Air Compressor Size	H575mm x W480mm x D560mm
Air Compressor Weight	51 Kg. Approx.



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