**INFRASONICS® ADULT STAR® 2000 VENTILATOR**

- Adult ventilator with graphics display and compressor.
- Fully comprehensive, microprocessor controlled and monitored adult/pediatric volume cycled, pressure limited ventilator.
- A single knob adjusts all ventilator settings “on screen”.
- Graphic monitoring provides real time pressure, flow and volume waveforms.

## Specifications

### Modes of Ventilation

Ventilation type: volume cycled (pressure control, time cycled or I:E cycled optional). Modes: assist/control, SIMV, CPAP and apnea ventilation.

### Controls and Displays

| Tidal volume (compliance compensated): | 100 to 2500 ml (50 to 2500 ml – pediatric option). |
| Peak flow (BTPS compensated): | 10 to 120 LPM volume cycled 10 to 160 LPM spontaneous, PPS and PCV. |
| Oxygen percent: | 21 to 100% (integral blender). Educated button provides 100% for 3 minutes. |
| PEEP/CPAP: | 0 to 50 cmH2O (50 cmH2O optional). Sensitivity: -0.5 to –20 cmH2O. |
| Inspiratory rate: | 0.5 to 80 bpm (0.5 to 120 bpm – pediatric option). |
| Apnea rate: | 0 to 2 secs. Waveform: Square, sinusoidal, accelerating or decelerating. |

### Alarms and Indicators

- High inspiratory pressure alarm: 10 to 120 cmH2O.
- Low inspiratory pressure alarm: 3 to 60 cmH2O.
- High and Low mechanical volume alarm: 0 to 2500 ml.
- Low minute volume alarm: 0 to 60 LPM.
- Low PEEP/CPAP alarm: 0 to 30 cmH2O (50 cmH2O optional).
- High respiratory rate alarm: 0 to 130 bpm (0-130 bpm – pediatric option).
- Apnea alarm: 5 to 60 seconds.
- Low pressure oxygen and air alarms: <26 psig ±3 psig.
- Low internal battery alarm: last 4 minutes of battery operation.
- High PEEP CPAP: 10 cmH2O*PEEP/CPAP for 3 seconds, 6 to 10 cmH2O*PEEP/CPAP for 5 secs.
- Airway leak alarm: 6 LPM.
- Insufficient inspiration time: ≥240 milliseconds.
- Insufficient expiratory time: ≥200 milliseconds.
- Exhalation leak: exhaled flow>4 LPM and >10% of delivered flow. Obstructed tube or pressure line occluded.
- Alarm silence: 60 seconds.

### Expiratory Isolation System

Heated exhalation bacteria filter: filtration ability 99.99% of particles > 0.3 microns.

### General

- Integral nebulizer: provides intermittent 8 LPM @ 10 psig nominal output. Automatically turns off after 30 minutes. Integral compressor: low noise, 60 db.
- Alarm loudness: adjustable, 64 to 82 db.
- Analog pressure output: 10 mV/cmH2O.

### Electrical Power

- Nominal: 115 VAC, 60 Hz. Range: 108 to 132 VAC, 60 Hz ±3 Hz.
- Power consumption: ventilator 1.5 amp, ventilator and nebulizer 3.0 amp, ventilator, nebulizer and compressor 7.0 amp.
- Nominal 230 VAC, 50/60 Hz. Range: 207 to 242 VAC, 50/60 Hz ±3 Hz.
- Power consumption: ventilator 1.0 amp, ventilator and nebulizer 1.7 amp, ventilator, nebulizer and compressor 3.2 amp.
- Nominal: 100 VAC, 50/60 Hz. Range: 90 to 105 VAC, 50/60 Hz ±3Hz.
- Power consumption: ventilator 1.7 amp, ventilator and nebulizer 3.2 amp., ventilator, nebulizer and compressor 7.5 amp.

### Pneumatic Power

- Air and oxygen: 30 to 90 psig (2.1 to 6.2 bars) @ 160 LPM.

### Physical Dimensions and Weight

- (with compressor and base enclosed) Dimensions: 54.5” height x 22.5” wide x 22.5” deep (138 x 57 x 57 cm).
- Weight: 185 lbs (84 kg).

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Soma Technology, Inc. acknowledges all registered trademarks of manufacturers’ listed.

The technical data given in this publication are for general information and is subject to change without notice.

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