



SensorMedics®
3100A HFOV

Specifications

The SensorMedics® 3100 series goes beyond convention. As the gold standard in high frequency oscillatory ventilation, the SensorMedics 3100A has changed the way clinicians around the world ventilate by setting the benchmark for open lung, low stretch, lung protective strategies. This unique technology was built upon the understanding that gentle lung recruitment and optimal ventilation require perfect balance.

Controls and Settings

Bias Flow	0-40 L/min
Mean Airway Pressure	3-45 cmH ₂ O
Max Mean Pressure Limit	10-45 cmH ₂ O
Amplitude (ΔP)	> 90 cmH ₂ O
Frequency	3-15 Hz
% Inspiratory Time	30-50%
Pressure Monitor	Mean and Amplitude (ΔP)
Piston Centering Adjust	Applies electrical counterforce to piston coil to maintain piston centering

Pressure Measurement

Range	± 130 cmH ₂ O
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Displays

- Mean Airway Pressure
- Amplitude (ΔP)
- % Inspiratory Time
- Frequency
- Piston Displacement
- Bias Flow



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Alarms

Safety (Dump Valve Open)

Paw > 50 cmH₂O

Paw < 20% of "Set Max Paw"

Warnings

High Paw

Low Paw

Caution

Oscillator Overheated

Battery Low

Source Gas Low

Power Failure

Oscillator Stopped

45 Second Alarm Silence

Electrical/Pneumatic

115 VAC, 7.5A, 60 Hz

100 VAC, 7.5A, 50 Hz

220 VAC, 4.0A, 50 Hz

240 VAC, 4.0A, 50 Hz

Power 800 Watts (maximum)

Leakage Current <100 µAmp

Inlet from blender (Air/O₂) 40-60 psig (2.8-4.1 bar), 40 L/min (±10%) maximum flow

Cooling Air Inlet 40-60 psig, 10 L/min (±10%) flow

Safety Standards: Conforms to UL STD 60601-1. Certified to CAN/CSA STD C22.2 No. 601-1-M90

Physical

Height 53.8 in. (136.7 cm)

Width 18.6 in. (47.2 cm)

Depth 11.4 in. (29 cm)

Weight 143 lbs. (65 kg)

Specifications subject to change without notice

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