

# Air-Shields C-2000

## Incubator

Delivers heated and humidity to create the best possible thermal-neutral environment

### FEATURES

- › Optional Dual Access Doors– Allow access from either side, expediting care.
- › Thermal Performance– Patented dual air curtains reduce radiant heat loss from the infant by warming the inner hood surface. A bi-directional airflow feature helps to minimize temperature fluctuations when the access doors are opened.
- › Large Mattress and Dual Probes–The C2000 incubator allows for simultaneous care of twins in the same unit, allowing more incubators for more patients.
- › Internal Noise Level less than or equal to 47dBA– Maintains a supportive environment for both patient and caregiver.
- › Optional In-bed Scale– Weigh the baby in a warm environment with minimal disturbance.
- › 24-hour DataTrends–This unit facilitates record keeping for air and skin temperature, oxygen, humidity, heater power, and weight changes.



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## Air-Shields Incubator with VHA Stand

<b>Width:</b> 38.0" (99cm)	<b>Height:</b> 52.5"-60" (133.4to152.4cm)
<b>Depth:</b> 26.3" (67cm)	<b>Weight:</b> 198lbs (90kg)

## Air-Shields Incubator with Fixed Height Stand

<b>Width:</b> 46.8" (119cm)	<b>Height:</b> 56" (142 cm)
<b>Depth:</b> 26.3" (67cm)	<b>Weight:</b> 175lbs (79.5kg)

## Hood Specifications

<b>Mattress Tray Size:</b> 16"x32" (40.681cm)	<b>CO2 Levels:</b> <0.5% when delivered at 750ml/min at a point 10cm above the mattress
<b>Mattress to Hood:</b> 16.25" (41.2cm)	<b>Operating Noise Level In Hood:</b> 47 dBA (49 dBA with Servo)
<b>Access Panel Opening:</b> 11" (28cm)	<b>Controlled Oxygen)</b>
<b>Standard Hood Includes:</b> 4 port doors; 2 iris ports; front access panel; 3 left and 3 right tubing grommets-front	<b>Casters (4 casters, 1 steering):</b> 5"(12.7cm)
<b>Mattress Tilt:</b> ±12°(±1°C)	<b>RS-232output</b>
<b>Micro Air Intake Filter:</b> 99.9% efficiency	<b>Controller with LCD with Brightness Control</b>
<b>Particle size removal:</b> 0.3 micron	<b>Selectable Color Combinations:</b> white on blue background (default) or yellow on black background
<b>Air mode control range:</b> 20 to 39.0°C	<b>Dual-skin temperature monitoring</b>
<b>Air Mode Override:</b> >37.0°C	<b>6 AC (Mains) Outlet</b>
<b>Air Flow Velocity across Mattress:</b> <10cm/sec	<b>Keypad Lock</b>
<b>Skin Mode Control Range:</b> 34.0 to 38.0°C	<b>24 Hour Trend of:</b> Air temperature, skin temperature (1 and 2), Relative humidity, Oxygen concentration, Heater power
<b>Skin Mode Override:</b> >37.0°C	
<b>Temperature Rise Time (at 22°C Ambient):</b> <35 minutes	

## Alarms

<b>Temperature (limiting≤):</b> 38°C for air temp. <37°C; 40.0°C for air temp. >37°C	<b>Baby Set Temperature:</b> ±1°C (or ±0.5°C)
	<b>Air Set Temperature:</b> +1.5°C/-2.5°C

## High/Low Skin Temperature Alarms

High/low air temperature; High temperature cut-out; Air probe failure;  
Skin probe failure/disconnect; Low air flow; Low humidity (humidity  
option); Low/high oxygen (±3%)(oxygen option); Oxygen calibration  
required (oxygen option); Oxygen cell difference (oxygen option); Oxygen  
solenoid failure (oxygen option); Scale disconnect (scale option); Too  
much weight (scale option)

## System Alarms

Controller failure, Sensor module failure, Sensor module out of position,  
Motor failure, Power failure, Heater failure, Sensor disconnected,  
Key stuck

## Servo Humidity Option

<b>Water Capacity:</b> 1000 ml	<b>Range:</b> 30 to 95%
<b>Refill Time:</b> >24hrs @ 85 RH%	<b>Display Accuracy:</b> ±6% RH%

## Servo Oxygen Option

<b>Accuracy:</b> 100% cal ±3%	<b>Other Options (Attach to Accessory Rail):</b>
<b>Accuracy:</b> 21% cal ±5%	<b>IV Pole Weight Limit:</b> 10.4 lb (4.72 kg)
<b>Range:</b> 21 to 65%	<b>Monitor Shelf Weight Limit:</b> 25 lb (11.4 kg)
<b>Resolution:</b> 1%	<b>Rear Access Door:</b> Provided with 2 port doors and 4 additional hood grommets 2 left and 2 right
<b>Scale Option</b>	<b>Ventilator Tube Support</b>
<b>Weight Range:</b> 0 to 15.4 lbs (0 to 7 kg)	<b>Oxygen Tank Mount</b>
<b>Weight Display Resolution:</b> 1 g or 1 oz (OIML = 10 g or 1 oz)	<b>Drawer Options:</b> Large Deep Swivel Type Two Shallow Swivel Out Type
<b>Weight Accuracy:</b> 2 g ± 1/2 digit up to 2 kg (OIML = 10 g); 5 g ± 1/2 digit over 2 kg	
<b>Weight Gain or Loss Trended over 7 Days</b>	