

## Air-Shields® Isolette® C2000e Infant Incubator

<b>Physical characteristics</b>	Base C2000e consists of stand, rail system and incubator w/hood.
<b>Air-Shields® Isolette® Incubator with VHA stand</b>	
Width	47.0 in (119 cm)
Depth	26.3 in (67 cm)
Height	52.5 -60 in (133.4 to 152.4 cm)
Weight of base system without battery back-up	234 lbs (106 kg)
Weight of base system with battery back-up	301 lbs (137 kg)
<b>Air-Shields® Isolette® Incubator with fixed height stand</b>	
Width	46.8 in (119 cm)
Depth	26.3 in (67 cm)
Height	56 in (142 cm)
Weight of base system without battery back-up	211 lbs (96 kg)
Weight of base system with battery back-up	278 lbs (126 kg)
<b>Hood specifications</b>	
Mattress tray size	16 x 32 in (40.6 x 81 cm)
Mattress to hood	16.25 in (41.2 cm)
Access panel opening	11 in (28.0 cm)
Standard hood includes	<ul style="list-style-type: none"> <li>• 4 port doors; 2 iris ports; dual access panel</li> <li>• 3 left and 3 right tubing grommets-front</li> <li>• 2 left and 2 right tubing grommets-rear</li> </ul>
Mattress elevation	±12° (±1°)
Micro air intake filter	99.9% efficiency
Particle size removal	0.3 micron
Air mode control range	20 to 39.0° C
Air mode override	>37.0° C
Air flow velocity across mattress	<10 cm/sec
Skin mode control range	34.0 to 38.0° C
Skin mode override	>37.0° C
Temp. rise time (at 22°C Ambient)	<35 minutes
CO <sub>2</sub> levels	<0.5% when delivered at 750 ml/min at a point 10 cm above the mattress
Operating noise level in hood	47 dBA (49dBA with Servo Controlled Oxygen)
Casters (4 casters, 1 steering)	5 in (12.7 cm) RS-232 Output
EL (Electro-luminescent) display	
Dual-skin temperature monitoring	
6 AC (Mains) outlet	
KeyPad lock	
24 hour trend of:	<ul style="list-style-type: none"> <li>• Air Temperature</li> <li>• Skin Temperature (1 and 2)</li> <li>• Relative Humidity</li> <li>• Oxygen Concentration</li> <li>• Heater Power</li> </ul>



**Environmental requirements**

Operating temperature range	20° C to 30° C ambient
Storage temperature range	-25° C to 60° C ambient
Operating humidity range	5% RH to 99% RH, non condensing
Storage humidity range	0% to 99% RH, non condensing
Operating RH sensor temp. range	20° C to 41° C
Operating O2 sensor temp. range	20° C to 41° C
O2 sensor calibration pressure	600 to 900 mm Hg

**Alarms**

Temperature (limiting)	38.0° C for Air Temp.<37° C 40.0° C for Air Temp.>37° C
Baby set temperature	±1.0° C (or ±0.5° C)
Air set temperature	+1.5° C/-2.5° C
High/low skin temperature	<ul style="list-style-type: none"> <li>• High/Low Air Temperature</li> <li>• High Temperature Cut-out</li> <li>• Air Probe Failure</li> <li>• Skin Probe Failure/Disconnect</li> <li>• Low Air Flow</li> <li>• Low Humidity (Humidity Option)</li> <li>• Low/High Oxygen (±3%) (Oxygen Option)</li> <li>• Oxygen Calibration Required (Oxygen Option)</li> <li>• Oxygen Cell Difference (Oxygen Option)</li> <li>• Oxygen Solenoid Failure (Oxygen Option)</li> <li>• Scale Disconnect (Scale Option)</li> <li>• Too Much Weight (Scale Option)</li> </ul>

**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**

Water capacity	1000 ml
Refill time	>24 hrs @ 85 RH%
Range	30 to 95%
Display accuracy	±6% RH%

**Servo oxygen option**

Accuracy	100% cal ±3%
Accuracy	21% cal ±5%
Range	21 to 65%
Resolution	1%

**Scale option**

Weight range	0 to 7 kg
Weight display resolution	1g or 1 oz
Weight accuracy	2g ± 1/2 digit up to 2 kg 5g ± 1/2 digit over 2 kg

Weight gain or loss trended over 7 days

**Battery back-up option**

Normal backup load	30 minutes minimum with ambient room temperature of 70° F (21° C)
Input voltage	120 or 230 V AC ±10%

Note: Not available as a retrofit for existing incubators

**Other options (attach to accessory rail)**

IV pole weight limit	10.4 lb (4.72 kg)
Monitor shelf weight limit	25 lb (11.4 kg)

Chart holder

Hinged mayo tray

Basket organizer

Cable organizer

Ventilator tube support

Oxygen tank mount

**Storage options**

- Large Deep Swivel Type
- Two Shallow Swivel Out Type
- Large Deep Pull Out Type
- Two Shallow Pull Out Type
- Two Shallow Dual Access Type
- Large Deep Dual Access Type
- Open Tray

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