

*Air Incu*j**

Infant Incubator



CE 0123



Happier Living Everyday



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To Save a Tiny Baby Life

Since developing Japan's first Infant Incubator, Atom Medical has made great contributions to the reduction of Neonatal Mortality rates for over 60 years.

Our mission and passion "**To Save a Tiny Baby Life**" have led us to meet global standards and pursue originality. Atom Medical is continuously making efforts to improve outcomes for the tiniest babies.



*Our greatest satisfaction is to see a smile on the faces of babies,
family members, and healthcare professionals.*

The **Air Incu*i*** has been developed to provide a "womb-like" environment
for premature and preterm infants all over the world.

Air Incu*i*

for Babies

Based on years of experience, we have developed the Air Incu i
using the latest technology in temperature control whilst
maintaining reduced noise level, therefore minimising stresses
on babies.

for Caregivers

We offer the highest quality, value, and safety so that
you can solve problems in your clinical practice.



* The drawers shown are optional.

Based on our experience amassed over more than 60 years, we are able to provide a baby-friendly environment.



Low noise

Noise Levels in the incubator are kept to 45dB, reducing stress levels in Neonates.

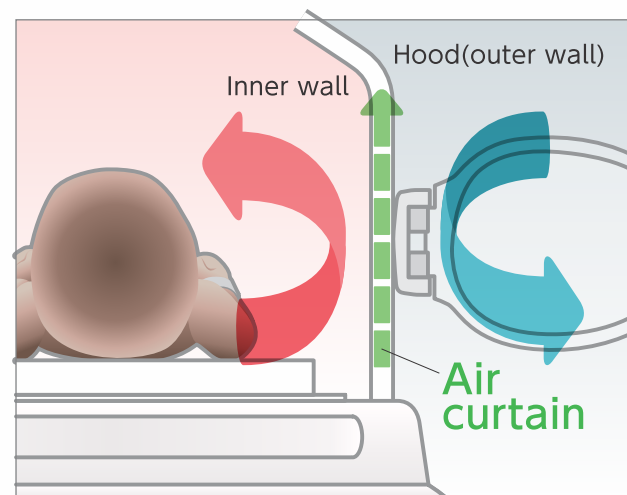
* The AAP recommends that sound levels be kept lower than 45dB in NICUs and infant incubators.



Minimal handling

A built-in weight monitor allows the neonate to be weighed inside the incubator, the "womb like" environment.

Body weight is measured in 1g increments allowing for slight increases or decreases to easily be identified.



Air Curtain

An air curtain, designed as a standard inclusion in the Air Incu i, minimizes temperature loss when a snap-open access port is opened.

Humidity control

Adjustable humidity control allows up to 95% relative humidity to be produced, meeting humidification requirements for even the smallest of neonates.

Direct steam injection humidification minimizes the risk of infection inside the incubator.



Night mode

A night mode helps to reduce light stimulation in neonates.

for Caregivers

Air Incu*i*

Based on our experience amassed over more than 60 years, we are able to provide an incubator which is very user friendly.

Antimicrobial panel screen



The use of an antimicrobial panel keeps frequently touched surfaces clean.

High scalability

Extensive options and add-ons ensure that the Air Incu i can be tailored to suit the caregiver's needs.

- Oxygen Controller Unit
- Weight Monitor Unit
- SpO2 Unit (Masimo/Nellcor)



Stands

Multiple stand options are available to best suit your nursery requirements. Choose either "High-Low Stand" or "Cabinet Stand".



Hood disassembly

The hood can be disassembled without any tools being required.

Should any part of the hood be broken or damaged, the part can be replaced individually, which helps to reduce maintenance costs.

Maintenance and cleaning/disinfection efficiency has improved.



Jointless hood structure

Jointless hood minimizes the chance that surfaces are left unwiped / unclean.

Jointless design ensures a good visibility of the inside of the incubator.



Reduction in the number of packings

Cleaning efficiency has been increased with reduced number of packings.

A reduction in the number of periodic replacement parts has improved the ease of maintenance and reduced running costs.

Electrostatic filter



The cleanliness level of the filter is easily visible and can be easily replaced when required



Humidifier



The humidity chamber can be easily removed from the incubator for complete cleaning ensuring that no residual water is left which can be a source of infection.

Products Lineup & Add-on Unit



Air Incu i

Main Unit

Description
w/ humidity controller AC120V±10%
w/o humidity controller AC120V±10%
w/ humidity controller AC230V±10%
w/o humidity controller AC230V±10%

Add-on Unit

Description
O ₂ Controller Unit for Air
Weight Monitor Unit for Air
SpO ₂ Unit (Masimo)
SpO ₂ Unit (Nellcor)

Options & Supplies



Description	
Cabinet Stand for Air	
Specifications	
Measurement	955(L)x490(W)x655(H)mm
Internal meas	820(L)x455(W)x460(H)mm



Description	
HL Stand AC120V for Air	
Specifications	
Measurement	955(L)x660(W)x565~765(H)mm



Description	
HL Stand AC230V for Air	
Specifications	
Measurement	955(L)x660(W)x565~765(H)mm



Description	
Pneumoclean Electrostatic Filter (5pcs/pkg)	
Specifications	
Filter capability	Removes ≥99% of airborne dust of 0.1μm



Description
Access Port Cover (20pcs/pkg)



Description
Oxygen Sensor for Dual Incu i/Incu i/Air/V-2200/V-2100G (2pcs/pkg)



Description
Cabinet Board for Cabinet Stand for Air



Description	
Drawer w/mounting bracket for HL Stand for Air	
Specifications	
Measurement	330(L)x440(W)x300(H)mm
Internal meas	310(L)x400(W)x250(H)mm



Description
Handle for Air (Head or Foot Side)



Description	
Pressure Dispersion Mattress for i series incubator/Air	
Specifications	
Measurement	650(L)x360(W)x20(H)mm



Description	
Mattress for i series incubator/Air	
Specifications	
Measurement	650(L)x360(W)x20(H)mm



Description
Snap-Open Access Port for Air (Head or Foot Side)



Description
Tube Holder for i series incubator/Air/V-2200/V-2100G/Neo-Servo



Description
Patient circuit introduction holder with arm (Head or Foot Side)



Description
Cord Guide for i Series incubator/Air



Description	
Monitor Tray for HL Stand for Air	
Specifications	
Load capacity	10kg



Description	
I.V. Pole for HL Stand for Air	
Specifications	
Load capacity	10kg



Description	
I.V. Pole for Cabinet Stand for Air	
Specifications	
Load capacity	5kg

Specifications

Air Incu i	
Power requirement	Main body : Customer specified HL Stand : Customer specified
Power consumption	Main body : 600VA HL Stand : 120VA
Frequency	Main body : 50/60Hz HL Stand : 50/60Hz
Type of protection	Class I
Degree of protection	Type BF applied part
Classification	IIb, Rule 9
Dimensions	Main body (w/ HL Stand) : 1015(W)x665(D)x1465-1665(H)mm Mattress surface : 860-1060mm (w/ weight monitor : 880-1080mm) Main body (w/ Cabinet Stand) : 1015(W)x565(D)x1570(H)mm Mattress surface : 965mm (w/ weight monitor : 985mm) External display : 220(W)x50(D)x140(T)mm Mattress : 650(W)x365(D)x20(T)mm
Weight	Main body : Approx. 47kg HL stand : Approx. 35kg Cabinet stand : Approx. 30kg
External display	Liquid crystal (TFT-LCD)
Noise level	Approx. 45dBA (w/ Humidification : Approx. 47dBA)
Incubator air temp. setting range	23.0-37.0°C / Override 37.1-39.0°C
Incubator air temp. display range	20.0-42.0°C
Incubator air temp. display accuracy	±0.8°C
Skin temp. setting range	34.0-37.5°C / Over ride 37.6-38.0°C
Skin temp. display range	30.0-42.0°C
Skin temp. display accuracy	±0.3°C
Heater output	0-100% (in 10 levels)
Relative humidity setting range	40-95%Rh
Relative humidity display range	15-99%Rh
Relative humidity display accuracy	±10%Rh
Alarms	Fan, System failure, Power failure, High temp, Set temp, Skin temp probe, Humidity sensor, Low water level, No water, Humidity chamber off, Set humidity
Accessories	Skin Temp Probe 5mm O.D. (Y).....1, Pneumocloan (Electrostatic air filter).....1, Access port cover.....2, Mattress.....1, Display pole.....1, Sensor module.....1, Baby guard (front/rear).....2, Baby guard (side).....2, Operation Manual...1

O₂ Controller (Add-on Unit)

Control mode	Servo control
Setting range	22~65% (in 1% increments)
Display range	15~105%
Measurement accuracy	±3%O ₂ (±2% at ≤25% setting)
Calibration	21%O ₂
Alarms	oxygen sensor, oxygen concentration, oxygen flow rate, oxygen sensor not calibrated

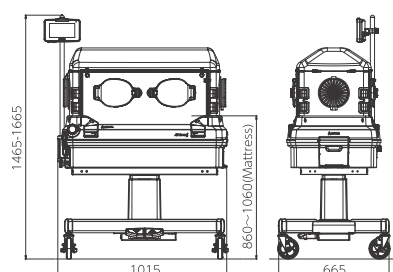
SpO₂ Unit [Masimo/Nellcor] (Add-on Unit)

SpO ₂	Display range:1~100% Accuracy:(in 70-100%)±3% Alarm function setting range: Upper limit:50~99%, OFF Lower limit:45~95%, OFF
Pulse rate	Display range:25~240bpm Accuracy:(in 25-240bpm)±3% Alarm function setting range: Upper limit:80~240bpm, OFF Lower limit:35~180bpm, OFF
Mode	Averaging time: 4,6,8,10,12,14,16sec.
(Masimo)	Sensitivity setting: APOD, Normal, Max FastSat:ON, OFF
(Nellcor)	SatSeconds:10,25,50,100,OFF Response:Normal, Fast

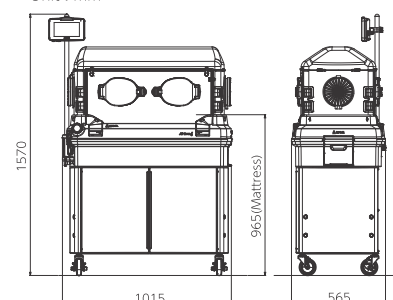
Weight Monitor Unit (Add-on Unit)

Weighing range	300~7000g
Scale interval	1g (w/o official Verification) 5g (w/ official Verification)

Dimensional drawing w/ HL Stand
Unit : mm



Dimensional drawing w/ Cabinet Stand
Unit : mm



Atom Medical products are produced under strict production control in Japan.
We provide value and trust of the highest quality for the tiny baby lives in the world.

Manufacturer: ATOM MEDICAL CORPORATION

18-15, Hongo 3-chome, Bunkyo-ku, Tokyo, 113-0033 JAPAN
<http://www.atomed.co.jp>

Exporter: ATOM MEDICAL INTERNATIONAL, INC.

SWT Bldg., 15-9 Hongo 3-chome, Bunkyo-ku, Tokyo, 113-0033 JAPAN
Phone: + 81 3 3815 2941 Fax: + 81 3 3812 9670/4080

BPL MEDICAL TECHNOLOGIES PRIVATE LIMITED

11th KM, Bannerghatta Road, Arakere, Bangalore - 560076
CIN U33110KA2012PTC067282
Phone +91 80 26484388/ 2648 4350
Toll Free 1800-425-2355
Website www.bplmedicaltechnologies.com
For Enquiries: sales.medical@bpl.in
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