

# Hospital Equipment Series Infant Care System

## Hospital Equipment Series **Infant Care System**

### JW Group

The specifications are subject to change without prior notice for improvement

### JW Holdings

**OFFICE**  
2477 Nambusunhwan-ro, Seocho-gu, Seoul,  
Republic of Korea

**OVERSEAS**  
Tel: +82-2-840-6649 Fax: +82-2-841-1213  
E-mail: [export@jw-holdings.co.kr](mailto:export@jw-holdings.co.kr)

[www.jw-holdings.co.kr](http://www.jw-holdings.co.kr)

### JW BioScience / Manufacturer

2019 01 Printed in Korea Rev 1

**FACTORY**  
73, Chungjusandan 1-ro, Chungju-si  
Chungcheongbuk-do, Republic of Korea  
Tel: +82-43-855-7441 Fax: +82-43-855-7444

**DOMESTIC**  
Tel: +82-2-2109-7800 Fax: +82-2-852-1984  
E-mail: [web@jw-bioscience.co.kr](mailto:web@jw-bioscience.co.kr)

[www.jw-bioscience.co.kr](http://www.jw-bioscience.co.kr)



### Mission

- We are committed to Human Healthcare



### Vision

- The Most Trusted Global Healthcare Group



### Founding Principle

- Respect for Life
- The Pioneer Spirit

#### JW Group Profile



### Foundation

**1945**  
(Listed in 1976)



### Head Office

**Seoul**  
Republic of Korea



### Business Field

Pharmaceuticals & Medical Devices



### Business Structure

1 holding company & 12 operating companies



## Product list

#### Infant Incubator

— JW-i3000	<b>04</b>
— CHS-i1000	<b>08</b>
— JW-Ti1000	<b>12</b>

#### Infant Warmer

— JW-W2000	<b>14</b>
— CBW-1100	<b>16</b>

#### LED Phototherapy Unit

— JW-PU1000	<b>18</b>
— JW-PU2000	<b>20</b>
— CHS-PU34	<b>22</b>



Infant Incubator

**JW-i3000**

CE  
2460



Infant Incubator **JW-i3000**

**Baby Friendly**

**Minimize stress, precise diagnosis**



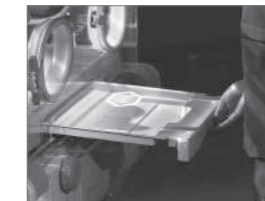
Prevent heat loss through the double wall hood



Precise thermal control by dual skin sensor



Smooth self retractable drawer



Integrated x-ray cassette plate(standard)



Door for x-ray cassette plate (option)

**Caregiver Friendly**

**Minimize workplace, precise control**



Large 10.4" Touch Panel

- Trend view, Alarm function on the LCD monitor
- Multi-language display available



Cassette type humidity chamber

- Available to check water level
- Easy cleaning (detachable)



Dial tilting hood (Rotary tilting)

- Adjust mattress angle up to 12°



Two-side open door (option)







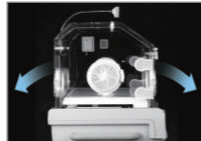



Instrument shelf (option)

### Standard Accessory

Accessory Name	EA
Filter	3
Skin Temperature Probe	2
Dust Cover	1
Fuse (250V 5A)	2
Power Cord	1
Manual	1

### Optional Accessory

			
Weight scale	O <sub>2</sub> Control module	Instrument shelf	IV Pole
			
SpO <sub>2</sub> Measurement	Up/Down Cabinet	Two-side open door	X-ray Cassette door



### Specification

CONTENTS	DESCRIPTION
Power Source	AC220~230V, 50/60Hz
Power Consumption	Max 800VA
Display	10.4 inches touch – LCD (32bit color)
Control Mode	Air/Skin Mode
Warm-Up Time	20min
Humidifier	Auto Control
Capacity of Water Tank	1000ml
Skin Temperature	Display Range : 22°C~ 45°C Control Range: 34°C~37°C (override mode: 37°C~38°C )
Air Temperature	Display Range: 5°C~ 50°C Control Range: 20°C~ 37°C (override mode: 37.1°C~39°C)
Humidity Control	Display Range: 30% ~ 99% Control Range: 30% ~ 99%
O <sub>2</sub> Control	Display Range: 0% ~ 99% Control Range: 22% ~ 65%
Dimension (W x H x D) mm	Body: 970 x 1645(1,520-1,790) x 500 Mattress: 705 x 20 x 370
Mattress Tilting	0 ~ 12°
Rotary Tilting (option)	
Noise level in Hood (dB(A))	< 47 (without humidification)
Fuse	AC250V, T5AL
Air Filter	0.5µm
Access Port	Large Tube Inlet: 6EA Small Tube Inlet: 1EA
Weight	Standard Type: 130 Kg Full Option Type: 158.5 Kg
Hood System	Double wall type
Controller Type	Microprocessor
Alarms	Power fail, System fail, Sensor fail, Over Temp fail Air flow fail, Air temp fail, Skin Temp fail, Low-Water, SpO <sub>2</sub> High/low Limit, BPM high/low Limit, SpO <sub>2</sub> Sensor
X-ray Cassette Tray	10" x 12"
Oxygen Concentration (option)	Display Range: 0% ~ 99% Control Range: 22% ~ 65%
Weight Scale (option)	Scale Range: 0~ 15Kg Resolution: 1g, Accuracy: 2g Function: Zero, Weight, Reweight
SpO <sub>2</sub> Unit (option)	Range: 1-100% Accuracy: ± 3digit in 70 ~ 100% (operating condition neonates) Pulse rate display range: 25 ~ 240 ± 5digits (operating condition adults, pediatric, neonates)

Infant Incubator

**CHS-i1000**



Infant Incubator **CHS-i1000**

**Baby Friendly**

**Advanced thermoregulation**



**Double wall hood**

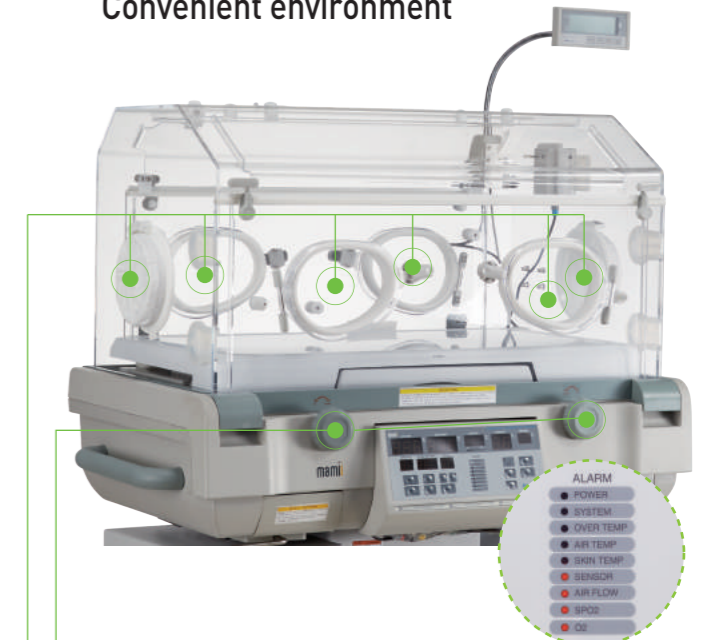
- Minimize radiant heat loss
- Minimize the heat loss of infant

**Air Wall(Curtain)**

- Reduce temperature fluctuation

**Caregiver Friendly**

**Convenient environment**



**Total 6 Accessible ports**

**Dial tilting (Rotary tilting)**

- Adjust mattress angle up to 12°

**10 Alarm functions**



# Infant Incubator

# CHS-i1000

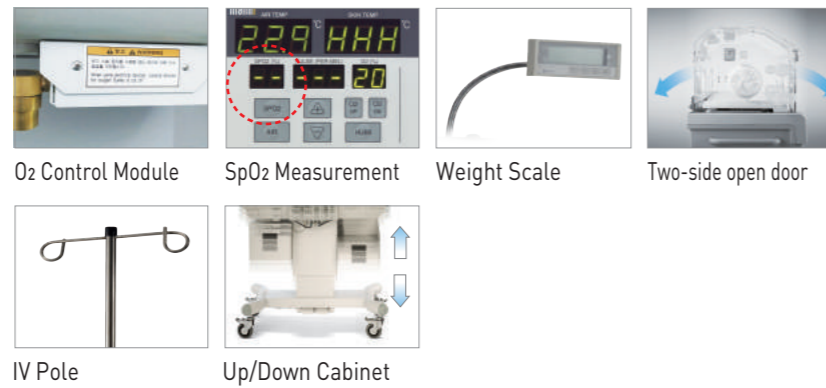


Infant Incubator **CHS-i1000**

## Standard Accessory

Accessory Name	EA
Access Port Cover	1
Filter	3
Skin Temperature Probe	1
Fuse (250V 4A)	2
Power Cord	1
Manual	1

## Optional Accessory



## Specification

CONTENTS	DESCRIPTION
Power Source	AC230V, 50/60Hz
Power Consumption	Max 605VA
Control Mode	Air/Skin Mode
Warm-Up Time	≤ 20minutes
Humidifier	Auto Control
Water reservoir Capacity	1000ml
Skin Temperature	Display Range: 22°C~ 42°C Control Range: 34°C~37°C (override mode: 37°C~ 38°C )
Air Temperature	Display Range: 5°C~ 50°C Control Range: 20°C~ 37°C (override mode: 37°C~38°C)
Humidity Control	Display Range: 30% ~ 90% Control Range: 30% ~ 90%
O <sub>2</sub> Control	Display Range: 0% ~ 99% Control Range: 19% ~ 75%
Dimension (W x H x D) mm	Hood: 830 X 480 X 500 Mattress: 705 x 20 x 370 Cabinet: 1,016 x 701(630 ~ 688) x 642
Mattress Tilting Rotary Tilting (option)	0 ~ 12°
Noise level in Hood [dB(A)]	≤ 47 dB(A)
SpO <sub>2</sub> Display Range	1~ 99 %
Fuse	AC250V, T5AL
Air Filter	0.5μm
Weight	Standard Type: 106 Kg Full Option Type: 134 Kg
Hood System	Double Wall Type
Controller Type	Microprocessor
Alarms (LED)	Power fail, System fail, Sensor fail, Over Temp fail Air flow fail, Temp fail, Skin Temp fail, Low-Water, O <sub>2</sub> (option), SpO <sub>2</sub> (option)
X-ray Cassette Tray	10" x 12"
Oxygen Concentration (option)	Display Range: 0% ~ 99% Control Range: 19 ~ 75%
Weight Scale (option)	Scale Range: 0~ 15 kg Resolution: 5g, Accuracy: ± 5g Function: Zero, Hold, Tare

# Transport Incubator

# JW-Ti1000



## Standard Accessory

Accessory Name	EA
Skin Temperature Probe	1
Mattress	1
IV Pole	1
Option Accessory Name	EA
Oxygen Cylinder	2
Extra Battery	1
Instrument Shelf	1

# Transport Incubator JW-Ti1000

## Specification

CONTENTS	DESCRIPTION
AC Power Requirement	AC220V, 50/60Hz
DC Power Requirement	DC12V/120W
Observation LED Lamp	DC12V/5W
Control Mode	Air/Skin mode
Skin Temperature	Display range : 22°C ~ 45°C Control range : 34°C~37°C (override mode : 37°C~38°C)
Air Temperature	Display range : 5°C~50°C
Warm-up Time	≤ 40 minutes
Temperature variability	< 1.0°C
Temperature Overshoot	< 1.0°C
Temperature Uniformity	< 1.0°C
Air Filter	0.5µm
Noise Level within the Hood	≤ 60dB
Dimension (W x L x D) mm	Body : 920 x 633 x 516 Mattress : 630 x 30 x 330 Trolley : 1380 x 550 x 860
Double Wall	Acrylic Hood
O2 Inlet	Mounted in a base
2 Access Doors	Both side door
2 Port Doors	Located on the front door
2 Iris Ports	Located on both sides
6 Tubing Ports	Front door 2ea, Side door 4ea
3 Infant Restraint Straps	Mounted on a mattress tray
I.V Pole	Weight limit : 3kg
2D or 2E size cylinder mounts	Diameter : up to 12cm, Length : up to 86cm
Humidity Pad	Max : 200ml, Natural Air flow humidity
Battery condition status	4 LED indication (25%-100%)
Power Mode	AC, DC, External DC
Heater Power	10 LED indication (10%-100%)
Alarm Indication	Over temp, Air temp deviation, Skin temp deviation, Sensor fail, Fan fail, Heater fail, Power fail, System fail
Battery	1 Battery standard (2nd optional)
Battery Type	Lead acid, rechargeable, DC12 V/24AH
Battery Rating	90minutes (at full heater power)
Life Expectancy	300 charge/recharge cycles(min)
Charge Time	12 hours

# Infant Warmer

## JW-W2000



Infant Warmer **JW-W2000**

### Baby Friendly



Pre-warm function



Soft mattress Tilting



Convenient x-ray cassette tray



Smooth self retractable drawer

### Caregiver Friendly



Easy access of x-ray with adjustable canopy degree



LED Examination light



Convenient tilting handle



Instrument shelf



Adjustable height (option)



IV Pole (option)



Attachable phototherapy unit JW-PU2000 (option)

### Standard Accessory

Name	EA
Skin temperature Probe	2EA
Power Cord	1EA
Manual	1EA
X-ray Cassette Tray	1EA

### Option Accessory

Name	EA
IV Pole (option)	1EA
Height Adjustable Stand (option)	1EA
Weight Scale (option)	1EA

### Specification

CONTENTS	DESCRIPTION
Overall Size	630 (W) x 1.050 (D) x Fixed Type 1,845 (H) mm / Adjustable Type: 1,750 ~ 2,000 (H) mm [Movement Range: 250mm] / Mattress size: 680 (W) x 480 (D) mm
Weight	Standard Type: 85kg/ Height Adjustable Type:100kg
Control mode	Manual mode/ Skin mode
Skin temperature display range	22.0°C~ 42.0°C
Skin temperature control range	36.0°C~ 38.0°C
Skin temperature probe	2EA
Heater output setting range	0~100% (in 10% increments)
Heater output power	30mW/ cm2 ± 20%
Heater life time	5000 hours
Alarm	Power fail, System fail, Baby temp, alarm, Probe error, Check baby
APGAR Timer	0~ 99 minutes (in one minute increments)
Power source	AC 220V, 50/60 Hz
Trendlenburg	-15°~15°(±3°)
Weight scale (option)	Range: 0~ 9999g, Resolution: 1g, Accuracy ± 2g
Lifting stand (option)	250mm



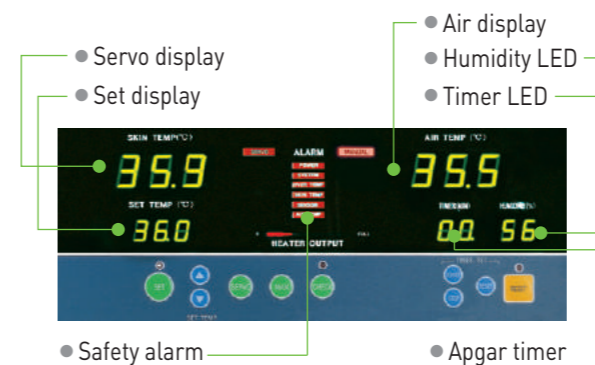
# Infant Warmer CBW-1100

Infant Warmer **CBW-1100**



## Caregiver Friendly

- Easy access of x-ray with adjustable canopy degree
- Convenient tilting handle
- Convenient X-ray cassette tray



## Accessory

Standard Accessory	EA
Temperature Sensor	1
Power Cord	1
Fuse(250V, 5A)	2
Manual	1
Option Accessory	EA
IV Pole	1
Tray	1
Basket	1

## Specification

CONTENTS	DESCRIPTION
Power Source	AC220V 60Hz
Power Consumption	Max: 815W
Skin temperature	Control temperature ranges: 35°C-38°C Resolution: 0.3°C
Air Temperature	Control temperature ranges: 20°C-30°C Resolution: 0.1°C
Display of Temperature	Digital LED
Alarm Function	Power fail, Sensor fail, Air temp, System fail, Skin temp, Over temp
Apgar Timer	Range of display: 1~99min. Sounds every 1 minutes
Dimension (W x H x D) mm	1020 x 680 x 1770mm
Net Weight	Approx. 97kg
Phototherapy Lamp	20W x 2ea Equipped with electronic stabilizer life span: 2,000Hrs
Halogen Lamp	Halogen lamp (50W x 1ea): 3,000Lux Life Span: 2,000Hrs,
Heater	Ceramic, infrared and radiant heating system Controlled by microprocessor Rotation of head part 90° to either side for X-ray
Mattress	560 x 680mm
Trendelenburg	0°~ 10°
X-ray Cassette tray sized	10" x 12"
Castor	4" x 4ea with brake
Cabinet	Aesthetic design/ Giving space for storage

# LED Phototherapy Unit

## JW-PU1000



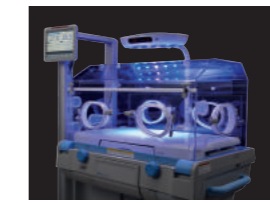
## LED Phototherapy Unit JW-PU1000

### Functionality

- 3 steps brightness function
- Timer function
- Operating time and total usage time display

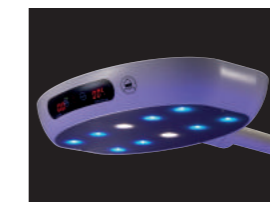
### Mobility

- Portable and compatible with JW infant care product series



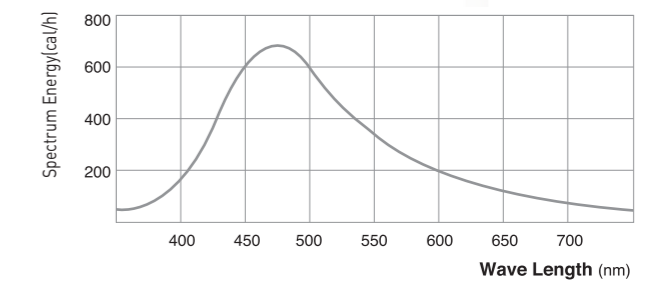
### Effectiveness

- Consisting 2 white LEDs and 8 blue LEDs
- Blue LEDs -->Effective range of light treatment (400-550nm)
- White LEDs -->Examination purpose



### Adjustability

- Wide exposure range by tilting and height adjustment



Blue LEDs emit light in the range of 400 – 550 nm is considered to be the most effective for the degradation of bilirubin

### Specification

CONTENTS	DESCRIPTION
Dimension(mm)	Housing: 377 x 274 Base: 403 x 428
Height Adjustment(mm)	1200~ 1700
Lamp	2 White LED, 8 Blue LED
Power Source	AC 100~240V, 50/60Hz
Power Consumption	45VA
Set Time	30~120 minutes (interval of 30 minutes)
Spectral Irradiance	60uW/cm <sup>2</sup> *nm
Caster	65mm rotary wheel x 4EA
Housing Tilt	±35°
Weight	24kg
Lamp Life	20,000 hours

### Standard Accessory

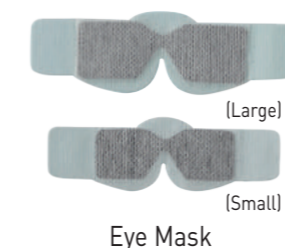
CONTENTS	EA
Eye Mask	Large 1, Small 1
Curtain	1
Manual	1
Power Cord	1



# LED Phototherapy Unit JW-PU2000



## LED Phototherapy Unit JW-PU2000



### Functionality

- 3 steps brightness function
- Timer function
- Operating time and total usage time display

### Adjustability

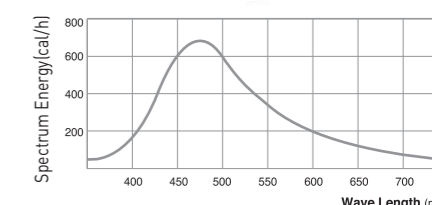
- Wide exposure range by tilting and height adjustment

### Mobility

- Portable and compatibility with JW infant care product series

### Effectiveness

- Consisting 2 white LEDs and 8 blue LEDs
- Blue LEDs → Effective range of light treatment (400~550nm)
- White LEDs → Examination purpose



Blue LEDs emit light in the range of 400 - 550 nm is considered to be the most effective for the degradation of bilirubin

### Standard Accessory

CONTENTS	EA
Eye Mask	Large 1, Small 1
Manual	1
Power Cord	1

### Specification

CONTENTS	DESCRIPTION	
User operations	Lamp	8 Blue LEDs, 2 Natural White LEDs
	Lamp Life	20,000 hours
	Irradiation	60uW/cm <sup>2</sup> *nm
	Wavelength	400~550nm
	Controller	Time/Dimming/Lamp setting
	Operating time indicator	Indicate by 7 segment (unit:1hour)
Electrical Parameters	Effective surface area	320 x 210 mm
	Set Time	30~120 minutes (interval of 30 minutes)
	Power supply	AC 220V, 50/60Hz
	Power consumption	45VA
	Protection degree	Class I
Dimensions	Fuse	1A, 250V *2EA
	Housing (W X H X D)(mm)	207 x 406 x 70
	Controller (W X H X D)(mm)	134.2 x 273 x 41.2
	Weight	5kg

# Phototherapy Unit CHS-PU34



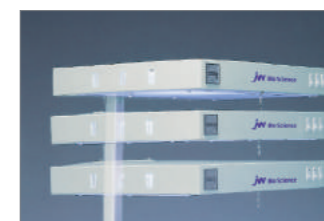
## Functionality

- 3 steps brightness function
- Timer function
- Operating time and total usage time display



## Adjustability

- Wide exposure range by tilting and height adjustment



## Accessory

CONTENTS	EA
Eye Mask	Large 1, Small 1
Curtain	1
Manual	1
Option Accessory	EA
Lamp	1

## Specification

CONTENTS	DESCRIPTION
Dimension(mm)	Lamp housing: 620(W) x 540(D) Base: 600(W) x 510(D) Height: 1,140~ 1,680
Lamp	Non ultra-violet ray lamp 4pcs
Power Source	AC 220V, 50/60Hz
Power Consumption	85W
Hour Meter	0 ~ 999hours
Caster	2"Swivel caster 4pcs
Housing Tilt	± 16°
Net Weight	25kg