

# NEOTHERM INTELLIGENT ADVANCED INFANT WARMER

## IW 6000 Series

### Heater Unit

Fibre molded Heater Unit  
with Ceramic Heater  
Swivels 90° on both sides

### Inbuilt Observation Lamp

### Monitor Tray

Capable of holding more up to 10 Kg weight  
Swivelling, adjustable rotatable Monitor Tray  
Strong and sturdy surface

IV Saline Stand Height  
can be adjusted

### Accessories Rail

Long Side Rod for Multiple  
Monitor trays, IV Pole,  
Infusion Pumps

### Bassinet

Oval Shaped ABS Molded  
Baby Tray  
Unbreakable Polycarbonate  
Drop-down and Lock-able side  
support  
X-Ray Cassette Facility

### Smooth Bed Tilting

### Electronic Height Adjustment

### Lock-able Castor wheels

**IW 6400 - Neotherm  
iWARM Infant Warmer**



# Features

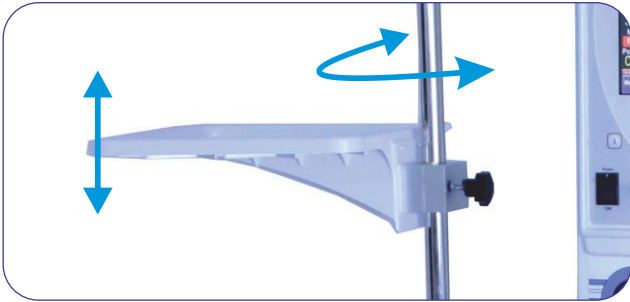
## Heater Unit

Molded Fibre Heater Box with Ceramic Heater provides uniform heat all over the bassinet

Heater unit can be swiveled by 90° on both sides for X-Ray unit over mattress



## Monitor Tray



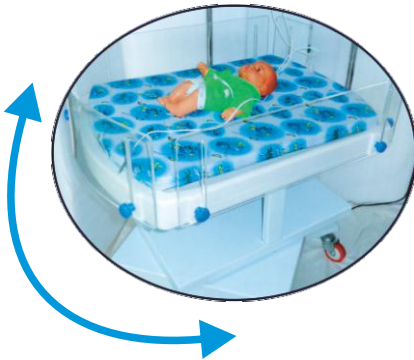
ABS Molded Monitor tray is strong, sturdy and can be swivelled or height adjusted as per convenience of the user.

## Inbuilt Observation Lamp



50W Halogen Lamp to observe the baby in clear daylight

## 360° Bed Rotation



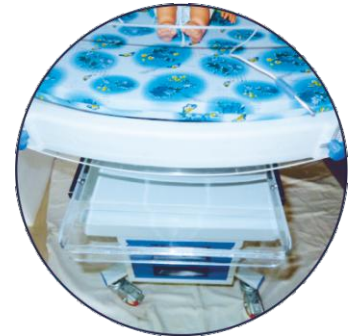
Easy Access to newborn during surgery  
Now you can rotate the bed and adjust newborn's position

## Smooth Bed Tilting



Trendelenburg and reverse trendelenburg possible in a smooth manner

## X-Ray Cassette Tray

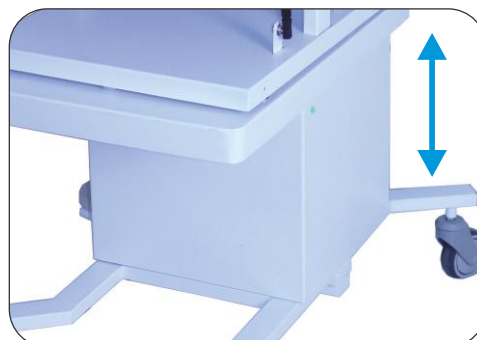


Transparent X-Ray Cassette Tray without disturbing the baby

## Provision for Under-surface Phototherapy



## Electronic Height Adjustment operated with Foot Switch



## Polycarbonate drop-down and Lock-able Side Support



# NEOTHERM Temperature Control

Computerized Software Based PID Servo Control System. PID is the most advanced servo control system which considers even smallest change in temperature

## IW 6100 - Neotherm D10



Skin Temperature Display  
 Modes: Auto, Manual  
 Display: Segment LED  
 Heater % Display: Bar Graph

## IW 6300 - Neotherm iLCD



Skin & Air Temperature Display  
 Modes: Baby, Air, Manual  
 Display: Graphic LCD Display  
 Temperature Trends, Realtime clock, Programmable Timers

## IW 6200 - Neotherm D20



Skin & Air Temperature Display  
 Modes: Baby, Air, Manual  
 Display: Segment LED  
 Heater % Display: Bar Graph

## IW 6400 - Neotherm iWarm



Skin & Air Temperature Display  
 Modes: Baby, Air, Manual  
 Display: 5.6" Color TFT Screen with touch screen  
 Temperature Trends, Realtime clock, Programmable Timers

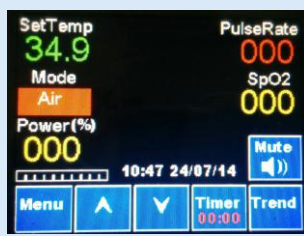
## Optional Modules

### Inbuilt CPAP Module



Inbuilt CPAP Module with Air O2 Blender / Mixer Servo Humidifier, Bubble CPAP Generator Reusable Breathing Circuits, Nasal Prongs etc

### Inbuilt SpO2 Module

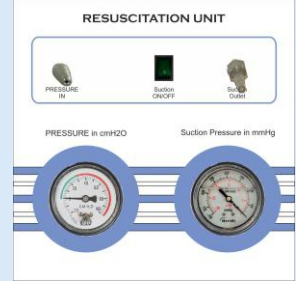


Inbuilt Pulse Oximeter Module powered by **NONIN, Next Generation PureSAT Technology**  
 Display of Pulse Rate and SpO2 with alarms

### Inbuilt Easy Resuscitation Module with T-Piece



### Inbuilt Resuscitation Module

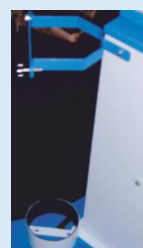


*Inbuilt Drawer Box*

### Inbuilt LED Photo-therapy from above



Oxygen Flowmeter



Provision for Oxygen Cylinder



Slow Suction Unit (External)



# TECHNICAL SPECIFICATIONS

## Dimensions

WIDTH	100 cm
DEPTH	130 cm
HEIGHT	185 cm - Adjustable
MATTRESS SIZE	70 cm x 50 cm x 4 cm
MONITOR TRAY SIZE	27 cm x 32 cm

## Alarms

HIGH TEMPERATURE	If Temp > Set Temp + 1°C
LOW TEMPERATURE	If Temp < Set Temp - 1°C
OVERHEAT	If Temp > 38°C (Baby) / 39°C (Air)
SENSOR FAILURE	Sensor disconnection / not working
POWER FAILURE	If Power fails
BATTERY FAILURE	Rechargeable battery for power failure
SYSTEM FAILURE	If system hangs
HEATER FAILURE	If Heater stops working

## Temperature Control

SUPPLY VOLTAGE	190V - 250 VAC
SUPPLY FREQUENCY	50 - 60 Hz
POWER CONSUMPTION	750W
TEMPERATURE DISPLAY	Celsius / Fahrenheit
TEMPERATURE RANGE	10°C - 50°C
TEMPERATURE RESOLUTION	0.1°C
TEMPERATURE ACCURACY	± 0.2°C
SET TEMPERATURE RANGE	30 - 38°C in 0.1°C increment
HEATER OUTPUT	0 - 100% in 1% increment
MODES OF OPERATION	Baby, Air, Manual
TIMER	0 to 99 min
MANUAL MODE TIMER	15 mins
ALARMS	Audio and Visual

## Features

HEATER	Ceramic Heater - 650W
HEATER ROTATION	±90° on both sides
REFLECTOR	Parabolic Reflector
OBSERVATION LAMP	50W Hazzle Free Halogen lamp
MONITOR TRAY	ABS Plastic Molded
SIDE PANELS	Unbreakable Polycarbonate drop down
WHEELS	Strong Castor wheels with 2 brake
MATTRESS	Waterproof, Washable, Flame Resistant
MATTRESS FOAM DENSITY	21- 25 kg/m <sup>3</sup>
IV POLE	Adjustable Height with two poles
INFUSION PUMP STAND	Stainless Steel rod
TEMPERATURE SENSOR	Thermistor based NTE Sensors with high resolution

## Optional Module Specifications

### Inbuilt Easy Resuscitation Module with T-piece

PEAK INSPIRATORY PRESSURE (PIP)	5-70 cmH2O @ 8LPM
POSITIVE END EXPIRATORY PRESSURE (PEEP)	1-10 cmH2O @8 LPM
AIRWAY PRESSURE MANOMETER	-20 - 80 cmH2O

### Inbuilt CPAP with Air/O2 Blender Module

OXYGEN RANGE	21% - 100%
MAXIMUM OPERATIVE PRESSURE	5.2 ATM
OPERATING PRESSURE RANGE	2.1 - 5.2 BAR
FIO2 ACCURACY	±3% (Full Scale)
MAXIMUM COMBINED FLOW	≥30 LPM
CPAP PRESSURE	0 to 10 cmH2O

### Inbuilt Resuscitation Module with Suction

PRESSURE MANOMETER	-20 to 100 cmH2O
FLOWMETER RANGE	0 to 15 LPM
SUCTION	0 to -100mmHg
CONTAINER CAPACITY	500 mL

### Inbuilt CPAP with Air/O2 Mixture Module

MAXIMUM OPERATIVE PRESSURE	4 ATM
OPERATING PRESSURE RANGE	2.5 - 3.5 BAR
FLOWMETER RANGE	0 - 15 LPM
CPAP PRESSURE	0 to 10 cmH2O

### Inbuilt Pulse Oximeter Module

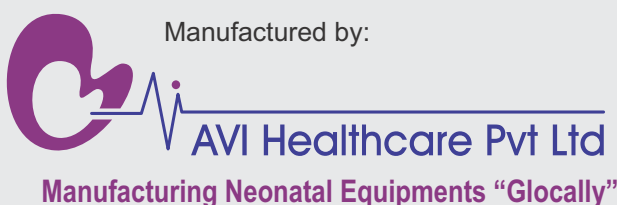
#### NONIN, Next Generation PureSAT Technology

Oxygen saturation display	0-100% SpO2
Pulse Rate Range	18 to 300 pulses per minute

### Inbuilt LED from above Module

IRRADIANCE	>40uW/cm2/nm
LAMP LIFE	30,000 Hours

\* AVI Healthcare Pvt Ltd reserves right to make changes without notice in design, specifications and models



ISO 13485:2003  
CERTIFIED COMPANY



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Tested as per following  
EC standards:  
EN 60601-1:2006/A1:2013  
EN 60601-1-2:2015  
EN 60601-1-6:2010  
EN 60601-1-8:2007/AC:2010  
EN 60601-1-2-21:2009