VNG MEDICAL
INNOVATION
SYSTEM

VNG RWG 800

Every New Born Life Matters

* NOT AN ACTUAL IMAGE

EXCELLENCE IN NEONATAL CARE

DESCRIPTION

The open care warmer is designed to provide quick and effective treatment for the new born infants suffering from extreme heat loss. This equipment is suitable for NICU, labor rooms and nurseries.
The open care warmer consists of a cart and a bassinet assembly. A heater module within examination light and a pillar module which consists of a controller and SMPS. The basic unit is also equipped with one removable instrument tray which is mounted on the pillar module at rear of the bassinet.

FEATURES

HEATER MODULE

The radiant energy is directed by the parabolic reflectors on the infant. The radiant energy can be controlled either manually or by mean of skin temp sensor which controls the radiant energy to maintain a selected skin temperature.

CONTROLLER

When operated in manual control mode, the controller permits the operator to adjust the heat output of the heater module from zero to maximum settings. During the manual mode, a patient probe can be used to monitor the skin temperature. When operated in skin temperature control mode, the controller utilizes askin temperature probe connected in between the controller input and the infant to automatically adjust the heat output of the heater module to maintain a selected preset skin temperature. Up and down switches permit adjustment of skin temp set point and a digital display provides temperature read out.

EXAMINATION LIGHT

-Dazzle-free observation light for examination of the infant.
-Dual side swivel heater provided access for x-ray and other procedure.

APGAR TIMER

-Apgar mode is used to take the infant Apgar score within specified time.
-Apgar mode is to start and stop just pressing Apgar switch.

ALARM

Each time the unit is turned on, an automatic test sequence is initiated to verify that the visual display and the audible alarms are functional. Alarms are provided for high and low skin temperature.

SET POINT (HIGH)

If the temp sensed by the skin probe is 0.5 degree above the set temperature, ahigh set point alarm will occur after a delay of 10 second. The audible portion of the alarm can be silenced by depressing the alarm mute switch. However the visual indicator will continue. If the condition is not corrected within 20 sec the audible alarm will resume. When the alarm condition is corrected, the circuit will reset

SET POINT L (LOW)

If the set temperature sensed by the skin probe is 0.5° less than the set point, a low set point alarm will occur after a delay of 10 seconds.

PROBE FAIL

During skin control mode, if the skin temp probe is open short or un-plugged, the probe failurealarm will indicate the baby temperature display and the heater will be turned off. This alarm cannot be rest until the alarm condition is corrected.

MODES OF OPERATION

THREE MODES

1) SERVO MODE

2) MANUAL MODE

3) SERVO AIR MODE

Servo mode-
In this mode infant temperature is sensed with the help of a skin temperature probe. The heater power is automatically controlled so that infant temperature lies in the desired range. This is set by the user.

Manual mode-
In this mode, we can manually set the power of the heater ranging from 10 percent to 100 percent.

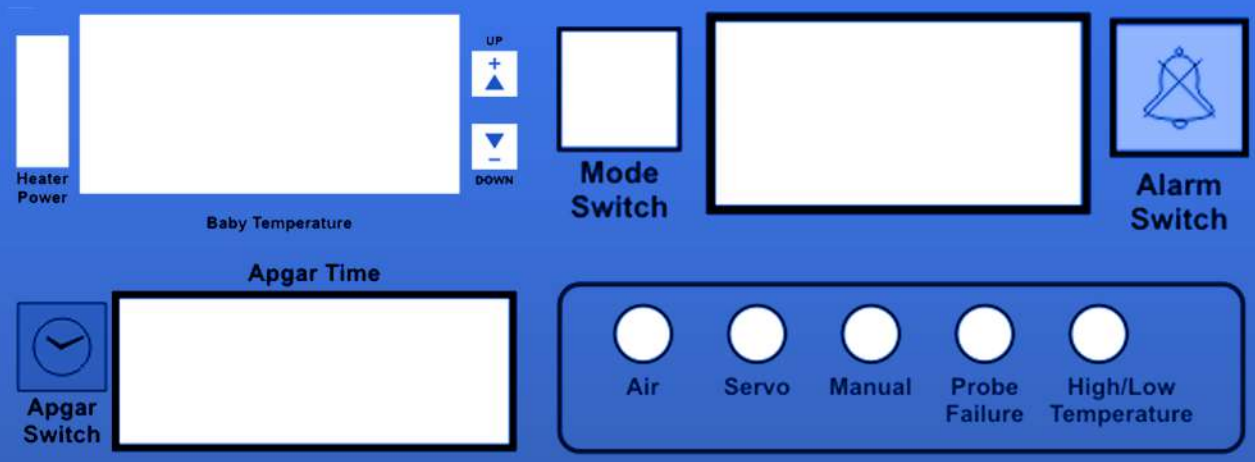
Servo Air mode-
In this mode we used the special thermistor probe which has the ability to measure the air temperature near the infant.
In mode control, unit continuously measures the air temperature with the help of air probe and sets the heater power. This helps to achieve the set temperature as required by the user.

SET TEMP RANGE

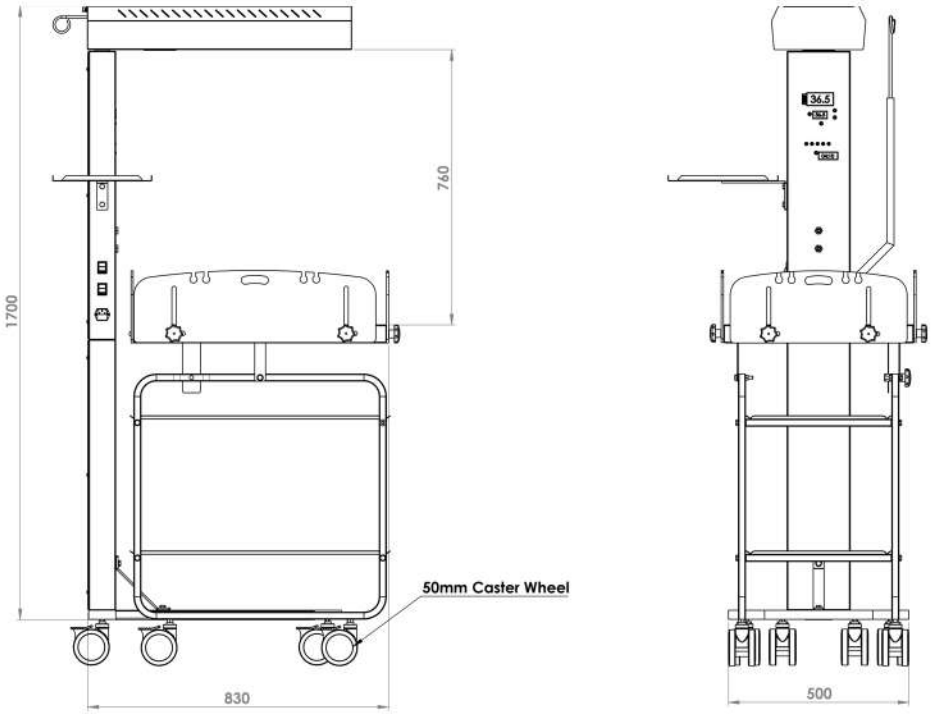
Skin	-	32^{0}C to 38C^{0}
Resolution	-	±0.1
Accuracy	-	±0.2

ELECTRICAL SPECIFICATION

Power source	- 220 Volt Ac 50 Hz
Heater power	- 650 Watt
Examination light	- 9 Watt
Power cable length	- 3 Meter
Fuse used	- 4 Amp



MECHANICAL SPECIFICATION



PAINT
Ms Fabrication with powder coating

CASTOR
Unit have four castor with two lockable

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