J. SPECIFICATIONS OF NEONATAL TRANSPORT INCUBATOR

1. Incubator with air/skin mode heating, collapsible trolley with provision to keep re-fillable oxygen cylinder and battery.
2. Incubator with Double Wall Canopy, Front and Head End Access Doors with Access portholes and Tubing Access Ports. (2 access doors, 2 disposable infant restraint straps, 1 Iris port, 2 Quiet Touch port doors. 6 tubing ports)
3. Digital Displays of Air and Baby Skin Temperatures, set range 22.0° C - 38° C (71° F - 100° F)
4. Indicators for Mains and Battery Modes of Operation:
5. Indicator for Battery Power Capacity: Battery condition status 4 LED indication of battery charge and heater power condition 25-100%. Maintenance free, re-chargeable. Should support all functions together continuously for at least 2 hours
6. Examination Light.
7. Power mode Illuminates AC, DC, or external DC, AC and 12VDC Connectors.
8. Front mounted gas content display
10. 2D or 2E size tank mounts The tank mount permits mounting gas cylinders with a diameter of up to 4.5 in (11.6 cm) and up to 34 in (85 cm) in length
11. Should have O2 concentration range 21% to 58% minimum
12. Should have Noise level <60 dBA
13. Humidity pad Holds 400 ml.(14 oz) sterile distilled water with no significant spillage for up to 45° tilt in either direction with relative humidity 50 to 70% for 10-12 hours using humidity pad
14. Air filter Removes >99% of airborne particles greater than 0.5 micron diameter
15. Controller Displays: On/standby Illuminates when “On”
16. Storage temperature -40° C to 70° C ambient.
17. Trolley: Sturdy trolley, sturdy & shock absorbing Wheels. Space for accessories
18. Power: On mains 230V AC + 10%, 50 Hz + 3%
19. Should have Optional Features like Accessory shelf, IV pole, High Hood, Pressure Regulator and Flowmeter
20. In built pressure limited time cycled ventilator preferable.
21. The system should have European CE and/or US FDA approved.
22. Maintenance: Warranty (3 years) and CMC for 5 years after warranty.
23. Training of hospital engineers & staff.
24. Demonstration is compulsory.
25. Rates of consumables & accessories should be freezeed for 8 years.