

## DEVA AIR MATTRESS SYSTEMS

### (D30) 12 CM AB SYSTEM AIR MATTRESS TECHNICAL SPECIFICATIONS

The bed includes an air mattress and motor.

#### 1. Features of Air Mattress

- 1.1 The pipes of the bearing should be divided into group **A, B and group C.**
- 1.2 The group A and group B pipes must rotate (- +) 2 for 12 minutes in sequence by air pumping of the main machine.
- 1.3 Change of pressure center; There should be an undulating system with **12 cm** pipe height and intermediate distance.
- 1.4 Inflated dimension should be 1980mm (- 100mm), length 890 (- 100) wide.
- 1.5 The air bearing shall be capable of bearing an evenly distributed weight of 135 kg.
- 1.6 It should prevent the formation of bed sores.
- 1.7 Ventilation (air blowing) feature should be.
- 1.8 Air bed should consist of **21** PVC pipe cells.
- 1.9 At least **8** pipes of the air bed must support ventilation.
- 1.10 The air bearing must be covered with an outer cover.
- 1.11 The cover must be liquid-tight.
- 1.12 The protective cover must be air permeable. Must be erasable.
- 1.13 The raw material used in the air bed should be PVC.
- 1.14 Air bearing pipes must be resistant to at least 8 KPA pressure.
- 1.15 There must be air motor and outlet hoses fixed to the bearing.
- 1.16 All pipe systems of the air motor must provide air circulation.
- 1.17 The hardness and softness of the bearing should be adjustable to the desired degree.
- 1.18 It should be used in all patient beds.
- 1.19 The patient should work integrated with the bed movements.
- 1.20 Hardened durable plastic must be used in the air circulation pipes of the bearing.
- 1.21 The air mattress must be covered by a 2-year warranty from the importer.

#### 2. Air Mattress Motor

- 2.1 The maximum air output and flow from the air bearing motor should not be less than 6 liters per minute.
- 2.2 The air bearing motor must be 'fixable'.
- 2.3 The hardness on the pump should be adjustable.
- 2.4 The air bearing must be able to be closed and opened via the motor.
- 2.5 The pump must have a fluctuating flip function.
- 2.6 The pump must be quiet to a minimum.
- 2.7 Ambient condition should be 5 ° C - 40 ° C.
  - 2.7.1 Dependent humidity should be below 80%.
  - 2.7.2 Atmospheric pressure should be between 70 KPA - 106 KPA.
- 2.8 Power supply condition;
  - 2.8.1 The voltage should be AC 220V (+ -) 22V.
  - 2.8.2 The frequency should be 50 HZ (+ -) 1 HZ.