

## DEVA AIR MATTRESS SYSTEMS

### (D50) TURNING ALTERNATING ULTRA POSITION (LATERAL ROTATION) AIR MATTRESS TECHNICAL SPECIFICATIONS

The bed includes an air mattress and motor.

#### 1. Features of Air Mattress

- 1.1 It must have a five-entry system.
- 1.2 The pipes of the bearing should be divided into group A, B and group C.
- 1.3 The group A and group B pipes must rotate (- +) 2 for 12 minutes in sequence by air pumping of the main machine.
- 1.4 Change of pressure center; There should be an undulating system with **12 cm** pipe height and intermediate distance.
- 1.5 It should prevent the formation of bed sores.
- 1.6 Inflated dimension should be 1980mm (- 100mm), length 890 (- 100) wide.
- 1.7 The air bearing shall be capable of bearing an evenly distributed weight of 180 kg.
- 1.8 Ventilation (air blowing) feature should be.
- 1.9 The air bed should be able to lateral position the patient **40-45 degrees** to the right and left.
- 1.10 If desired, position feature can be canceled and straight position operation feature is available.
- 1.11 Air bed should consist of **26** PVC pipe cells.
- 1.12 At least **8** pipes of the air bed must support ventilation.
- 1.13 There should be 48 balance pipes in the air bed.
- 1.14 Air pipes must be provided with protection pipes.
- 1.15 It should be able to turn right and left with the help of the button located on the air bearing motor.
- 1.16 The air bed should be rotatable in the desired direction at any time.
- 1.17 The air bearing must be covered with an outer cover.
- 1.18 The cover must be liquid-tight.
- 1.19 The protective cover must be air permeable. Must be erasable.
- 1.20 The raw material used in the air bed should be PVC.
- 1.21 Air bearing pipes must be resistant to at least 8 KPA pressure.
- 1.22 There must be air motor and outlet hoses fixed to the bearing.
- 1.23 All pipe systems of the air motor must provide air circulation.
- 1.24 The hardness and softness of the bearing should be adjustable to the desired degree.
- 1.25 It should be used in all patient beds.
- 1.26 The patient should work integrated with the bed movements.
- 1.27 Hardened durable plastic must be used in the air circulation pipes of the bearing.
- 1.28 The product must be equipped with a CPR system and a quick vent function.
- 1.29 The air mattress must consist of 3 separate layers.
- 1.30 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.