

1. What is the purpose of the Economy Air Mattress System?

Answer:

The Economy Air Mattress System is designed for the **prevention and treatment of bedsores (pressure ulcers)**. These conditions may develop in patients who are **bedridden for long periods**, either in hospitals or at home. The system helps by **alternating air pressure**, which reduces continuous pressure on specific body areas and improves blood circulation.

2. Who is allowed to operate this device?

Answer:

The device should only be operated by **qualified personnel or individuals trained in the treatment and prevention of bedsores**. Improper use by untrained persons may lead to injury or ineffective treatment.

3. What standards does the device comply with?

Answer:

The device complies with the following international safety and performance standards:

- IEC/EN 60601-1 (General safety requirements)
- IEC/EN 60601-1-2 (Electromagnetic compatibility)

These standards ensure that the device is safe and reliable for medical use.

4. What are the main components of the control panel?

Answer:

The control panel includes:

- **Power Switch:** Turns the device ON/OFF.
 - **Alternating/Static Mode Button:**
 - Alternating: Normal operation with changing air pressure.
 - Static: Maintains constant inflation.
 - **Pressure Adjustment Valve:** Allows adjustment of firmness (range 1–8).
 - **Normal/Low Pressure Indicator & Alarm:** Alerts when system pressure is abnormal.
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5. How is the mattress system installed?

Answer:

Installation steps include:

1. Place the air mattress on a regular mattress with connectors at the foot end.
2. Hang the pump on the bed rail at the foot end or place it on a flat, stable surface.
3. Connect air hose connectors from air mattress to the pump unit. Ensure the air hoses are not kinked or tucked under mattress.
4. Plug the power cord into the electrical outlet.
5. Turn the power ON.

Correct installation ensures proper functioning and patient safety.

6. What should be checked before using the device?

Answer:

Before use, ensure:

- Proper assembly of all components.
- Air hose connectors are securely attached.
- No kinks or blockages in the tubes.

This helps prevent malfunction and ensures effective operation.

7. What are the important safety precautions?

Answer:

Key safety precautions include:

- Avoid using the device near water to prevent electric shock.
- Do not operate if cables or plug are damaged.
- Keep the device away from heat, fire, and chemicals.
- Do not allow children to operate the device.
- Only authorized technicians should repair the unit.
- Always use a grounded power supply.

Following these precautions ensures user and patient safety.

8. How is pressure adjusted according to patient weight?

Answer:

The pressure is adjusted using the control knob based on patient weight:

- Up to 50 kg → Setting 2–3
- 50–70 kg → Setting 3–4
- 70–90 kg → Setting 4–5
- 90–110 kg → Setting 5–6
- 110–130 kg → Setting 6–7
- 130–150 kg → Setting 8

Proper adjustment ensures comfort and effective pressure relief.

9. How should the mattress be cleaned and maintained?**Answer:**

Cleaning and maintenance guidelines:

- Clean mattress using mild soap.
- Do not immerse the pump in water.
- Dry away from direct sunlight.
- Check that the connection tubes are not blocked by dust or debris. Clean them with a soft swab if necessary
- Avoid using chemicals like acids or solvents.

Regular maintenance increases lifespan and hygiene.

10. How should the Economy Mattress and Pump be stored?**Answer:**

For storage:

- 1) Switch off the power from mains and unplug it, separate the pump with mattress and lay the mattress flat.
- 2) Fold the mattress from the foot end towards the head end.
- 3) Allow the air to escape from mattress, then fold it further to reduce the space for storage.
- 4) Close the protective cap on the quick connector.

Proper storage prevents damage and saves space.

11. What are the proper conditions for disposal of the air mattress system and its battery?

Answer:

The **air mattress system** must be disposed of carefully to ensure environmental safety and compliance with regulations. It should not be thrown into municipal waste containers. Instead, the entire kit must be taken to authorized recycling centers or appropriate disposal facilities.

For **battery disposal**, at the end of the product's life, the battery must be disposed of separately through designated recycling points for electrical and electronic equipment or through retailers that offer such services. Proper disposal helps prevent harmful effects on the environment and human health caused by improper waste handling.

Additionally, the product is marked with a crossed-out wheeled bin symbol, indicating that it must not be disposed of with regular household waste and requires special handling for recycling.

12. What should be done if the pump does not switch ON?

Answer:

If the pump does not switch ON, follow these troubleshooting steps:

- Check whether the control unit is properly connected to the mains power supply and ensure that the power switch is turned ON.
 - Inspect the quick-blow fuse on the control unit and also check the mains plug fuse to see if it is damaged or blown.
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13. What should be done if the pump shows a Low Pressure Alert?

Answer:

If the pump shows a Low Pressure Alert, follow these steps to identify and resolve the issue:

- Check that the control unit is properly connected to the mains power supply and that the plug is switched ON.
- Ensure the mattress air supply connector is securely connected to the pump unit.
- Verify that the CPR connector is properly connected and not loose.
- Open the mattress cover and check that all "T" and "L" connectors are correctly attached to the air tubes.
- Inspect the connector tubes for any kinks, crimps, or damage that may restrict airflow.

14. What should be done if the patient's body is sagging in the middle (bottoming out)?

Increase the comfort setting. Wait a few minutes for the pressure to stabilize before making any further adjustments.

15. What should be done if the control locks up or freezes?

Turn off the control unit and unplug the pump. Wait a few minutes, then plug the control unit back in and switch it on.

16. What are the key technical features of the pump unit?

Answer:

Important specifications include:

- Voltage: 120V/60Hz or 230V/50Hz
- Power: 7.5W
- Current: 500mA/250V
- Pressure Range: 30–60 mmHg
- Dimensions: 23.5cm(L)*26cm(W)*11.9cm(H)
- Alternate Cycle Time: 10 minutes
- Weight: 2.4 kg

These features define the performance and efficiency of the device.

17. What are the environmental operating and storage conditions of the pump unit?

Answer:

The device operates at temperatures of +10°C to +40°C, storage from -15°C to +50°C, shipping from -15°C to +70°C, humidity levels of 10%–90% (non-condensing), and atmospheric pressure of 700–1013, 25hPa.

18. What is the load capacity of the mattress?

Answer:

The mattress has a **maximum load capacity of 150 kg**, making it suitable for a wide range of patients.

19. What is the Material used for the mattress?

Answer:

PVC/Nylon

20. How many cells does the mattress have?

Answer:

The mattress has **24 cells**.

21. What is the weight of the mattress?

Answer:

The mattress weights **7 kgs**.

22. What are the conditions for warranty?

- Codex Healthcare Pvt. Ltd. products are guaranteed from material or manufacturing faults for 1 year from the purchasing date, except possible exclusion or restriction as follows.
 - The warranty shall not be applied in possible damage caused by improper use, abuse or alteration and the warranty will not be valid if the instructions for use are not strictly adhered to. The correct intended use is specified in this manual.
 - Company is not responsible for consequent damage, personal injuries or whatever caused by or in relation to wrong installation or improper use.
 - Warranty does not cover damages resulting from: natural disaster, not authorized maintenance or repairs, faults caused by problems on electricity supply (when necessary), use of spare parts not covered by Codex Healthcare Pvt. Ltd., improper use, not authorized alteration, shipment damages (different from original Codex Healthcare Pvt. Ltd. shipment), or in case of insufficient maintenance as indicated in the manual.
 - The warranty doesn't cover components subject to wear and tear during the incorrect use of the device.
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23. What happens if the machine repair is not covered under warranty?

Answer:

If the repair is not covered under warranty, the product can be serviced after authorization, with labor and shipping costs paid by the customer or dealer, and the repair will be guaranteed for 6 months from the goods received.

24. What are the conditions for repair under warranty?

Answer:

- If a Codex Healthcare Pvt. Ltd. item presents material or manufacturing faults during the warranty period.
 - Company will confirm with customer if the fault can be covered by warranty. Codex Healthcare Pvt. Ltd., at its unquestionable discretion, can repair or replace the item, by a Codex Healthcare Pvt. Ltd. dealer or to Codex Healthcare Pvt. Ltd. headquarters.
 - Labor costs can be charged by the company, if the repair is not covered under warranty. A repair or a replacement doesn't extend the warranty.
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25. What is the procedure for a device which is found non defective after it is send to company?

If, after inspection, Codex Healthcare Pvt. Ltd. determines that the device is not faulty, the customer will be informed. In this case the good will be sent back to customer and the shipping charges will be paid by the customer.
