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Jeenie LIFTIE Patient Lift – Instructions for Use (IFU)

Important Safety Information

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Manufacturer: Jeenie Solutions Ltd, Unit 6, Falcon Building, The Hawk Creative Business Park, Hawkhills Estate, York YO61 3FE, United Kingdom

1. Important Safety Information ⚠
Read this document in full before use. Failure to follow these instructions may result in serious injury to the patient, operators, or bystanders.
The Jeenie Modular Inflatable Patient Lift is a powered air assisted lifting device. Safe use relies on appropriate training, structured risk assessment, correct configuration, and controlled operation at all times.

1.1 Operator Competence
This device must only be used by trained personnel who are competent in patient handling and familiar with air assisted lifting systems.
Operators must understand staged inflation and deflation principles and the risks associated with uncontrolled air release.
At no point must a patient be left unattended on an inflated or partially inflated device.

1.2 Mandatory Risk Assessment (TILE)
A full **dynamic risk assessment** must be completed before each use and reviewed throughout the procedure. The following factors must be considered in detail:

The Individual
Assess and document:
Patient weight, body shape, and weight distribution
Medical condition, pain levels, fractures, wounds, or pressure areas
Level of consciousness, cognitive status, cooperation, and anxiety
Current mobility, ability to assist, and tolerance to lying supine or semi seated

The Task
Consider:
Required lift height and end destination (bed, stretcher, chair)
Supine versus semi seated requirement and clinical justification
Urgency of the situation (planned recovery versus emergency response)
Duration the patient will remain on the device
Stability required throughout inflation, transfer, and deflation

The Environment
Evaluate:
Surface type including firmness, level, and slip risk
Space available around the patient for staff positioning
Lighting conditions, obstacles, access routes, and evacuation constraints
Proximity to oxygen sources, ignition risks, or environmental hazards

The Equipment
Confirm:
Correct layers selected for the patient and task
All zips fully engaged, aligned, and free from damage
Valves intact, sealing correctly, and accessible
Compatible air supply present and functioning
If risks cannot be adequately controlled, **do not proceed**.

1.3 Barrier Surface Requirement

⚠ **Mandatory Barrier Use**

The device is not intended for direct patient skin contact. During all lifting and transfer operations, a suitable barrier surface such as a slide sheet or air assisted transfer mattress must be positioned between the patient and the lift system. Direct skin contact may compromise safety, infection control, and compliance with intended use.

1.4 Contraindications

Do not use this device in the following situations unless authorised by a clinical lead or specialist team:
Suspected or confirmed unstable spinal injury without specialist approval
Steep, uneven, soft, or unstable surfaces where risk cannot be adequately mitigated
Vertical hoisting, suspension, or lifting beyond floor to bed or trolley height
Oxygen enriched, flammable, or explosive environments
Use without the minimum required number of trained operators present

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2. Intended Use

The Jeenie Modular Inflatable Patient Lift is designed to raise a patient from floor level to a supine or semi seated position for safe transfer to a bed, stretcher, or chair.
The system uses stackable, independently inflatable layers to achieve height gradually and in a controlled manner. The design avoids rolling, dragging, or vertical hoisting, reducing uncontrolled movement when patient injuries or tolerance to movement are unknown.

Suitable Settings

Acute hospitals and emergency departments
Bariatric and complex care units
Care homes and community environments
Ambulance, fire, and emergency response services

Indications

Falls recovery where the patient cannot rise unaided
Bariatric or complex care patients where manual handling presents significant risk
Transfers requiring the patient to remain supine or semi seated

Barrier Use Requirement

A suitable barrier surface must fully cover the top layer during use. The barrier must remain in place throughout lifting and transfer to prevent direct skin contact with the device.

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3. Device Overview

3.1 System Components

The system consists of modular inflatable layers that are zipped together to create a stable lifting platform:
Base Layer: Positioned directly on the floor and forms the foundation of the lift
Mid Layers: Stackable layers used to achieve the required lift height
Top Layer: Patient facing surface (barrier required)
Optional Layers: Seated backrest, crash mat, evacuation drag base, wheeled sub base, wedge layer
All layers incorporate:

Reinforced inflation valves
Welded U shaped zips with protective flaps
Visual alignment markers to support safe stacking

3.2 Operator Requirements

Minimum of two trained operators for non bariatric patients
Minimum of four trained operators for bariatric patients exceeding 200 kg
Operator numbers must be increased if risk assessment identifies additional hazards.

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4. Part Identification

Each layer is permanently labelled to ensure traceability and correct use. Labels include:
Product name and layer reference
Catalogue (REF) number
Batch or LOT number
Date of manufacture
Manufacturer details
CE mark and QR code linking to the latest IFU

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5. Setup and Operation

5.1 Preparation

Complete a full TILE risk assessment as detailed in Section 1.
Select the appropriate number and type of layers to achieve the required height.
Inspect all layers for damage, contamination, or wear.
Check zips, seams, and valves for integrity and correct operation.
Lay layers flat on the floor and zip together in the correct order with the base layer at the bottom.
Ensure all valves are accessible.
Prepare a suitable bridging or lateral transfer board to create a smooth transition onto the top layer.
Using a bridging board is considered best practice to reduce handling forces and ensure predictable movement onto the lift surface.

5.2 Positioning the Patient

Using the prepared bridging board, glide the patient onto the top layer using a slide sheet or air assisted transfer surface.
Position the patient centrally along the alignment markings to ensure even weight distribution.
Confirm that no part of the patient extends beyond the layer edges.
Ensure the head is positioned at the designated head end.
Attach safety straps if supplied and required.

5.3 Inflation

⚠ Risk of over inflation. Inflate only until firm and stable.
Connect the approved air supply to the base layer valve.
Inflate the base layer slowly until evenly firm.
Inflate each mid layer sequentially from bottom to top.
Inflate the top layer last.
If using a seated configuration, inflate the backrest after all horizontal layers are stable.
After each layer, pause to reassess patient position, comfort, and stability.
Never inflate more than one layer at a time.

5.4 Transfer

Ensure the receiving surface is at a compatible height.
Transfer the patient using an appropriate slide sheet, transfer board, or equivalent system of work.
Maintain continuous supervision throughout the transfer.

5.5 Deflation

Deflation must be performed in a controlled, sequential manner to maintain patient stability and to prevent sudden height loss.

1. Remove the air supply from the device.
2. Begin deflation with the top layer.
3. Open the valve for **one layer only** and release air slowly.
4. Pause and confirm the patient remains stable and centred before proceeding.
5. Continue layer by layer from top to bottom until the required height is reached or full deflation is complete.

Never release air from multiple layers simultaneously.

Deflation for Reconfiguration or Layer Removal

When preparing to remove a layer from the stack, partial deflation is required to reduce internal tension on the zip and enable smooth separation.

- Deflate the layer to be removed to approximately **50%**.
- Deflate the layer directly underneath to approximately **50%**.
- Once tension is reduced, unzip smoothly and remove the required layer.

Do not attempt to unzip fully inflated layers. Once reconfigured, re zip layers fully and re inflate sequentially in accordance with Section 5.3 before continuing use.

Ensure full deflation before storage or when a configuration will not remain assembled.

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6. Cleaning and Storage

Cleaning after each patient use is mandatory.

Cleaning Agents

Compatible cleaning agents include:

Neutral detergent solutions

Clinically approved detergent or disinfectant wipes

Chlorine based solutions up to 1,000 ppm available chlorine with a minimum one minute contact time

Do not use solvents, abrasives, or unapproved chemicals.

Cleaning Method

Fully deflate the device.

Remove visible soil and debris.

Wipe all external surfaces, paying particular attention to seams, zips, and valves.

Prevent liquid ingress into valves.

Allow to air dry completely.

Storage

Store flat or loosely rolled in a clean, dry, well ventilated environment away from direct sunlight.

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7. Maintenance and Inspection

Before each use, check:

Zip teeth alignment and integrity

Valve seals and absence of leaks

Welded seams for signs of delamination

Protective flaps are present and secure

Labels remain legible

Remove any damaged component from service immediately.

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8. Product Specifications

Layer	Inflated Height	Width	Max Load
Base	20cm	99.06cm	625kg
Mid Layer	20cm	99.06cm	625kg
Mid Layer	20cm	99.06cm	625kg
Top	20cm	99.06cm	625kg

Maximum system height (4 layers fully inflated): 80cm

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9. Compatible Air Sources

This device must only be used with Jeenie approved air pumps or equivalent medical grade pumps designed for air assisted patient handling.
Use of unapproved air sources may result in over pressure, device failure, or patient injury.

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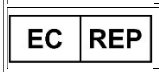
10. Symbols Used

Refer to product labelling for symbol definitions including manufacturer, batch number, date of manufacture, medical device marking, and unique device identifier.

Symbol	Meaning
	Consult Instructions for Use
	Manufacturer
	Date of Manufacture
LOT	Batch Number
REF	Catalogue Number
	Caution
	Medical Device
	CE Mark & UKCA
	European Representative
	Country of manufacture
	Unique Device Identifier

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11. Warranty and Returns

The device is supplied with a 12 month warranty against manufacturing defects. User damage, misuse, or unauthorised repair will void the warranty. Contact info@jeenie.uk for return authorisation.

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12. Reporting and Support

For fault reporting or technical support contact info@jeenie.uk or +44 1904 375123. Additional training resources are available via www.jeenie.uk.

This IFU is available in additional languages via QR code or by request.