

LI-7 air fluidized support system specification

LI-7-ST-220V		LI-7 standard type		LI-7-SP-220V		LI-7 Separate type	
dimension	main unit	880(H) 905(W) 2,200(L) mm		dimension	console	945(H) 800(W) 650(L) mm	
					bed unit	880(H) 905(W) 2,200(L) mm	
weight	main unit	245Kgs		weight	console	120 Kgs	
					bed unit w/o Lift	175Kgs	
					bed unit with Lift	245Kgs	
	ceramic beads	425 Kgs			ceramic beads	425 Kgs	
Beads fluidization level		single level		Beads fluidization level		5 levels (1 2 3 4 5)	
Beads temperature controllable range		room temp. plus 2°C - 20°C		Beads temperature controllable range		room temp. plus 0°C - 18°C	
Power consumption		1.1KW		Power consumption		1.3KW	
	Power Voltage		220V				
	Beads temperature setting range		25°C-40 °C				
	Filter Sheet		Monofilament Polyester mesh : 37 micron				
	Maximum Patient height		200cm				
	Maximum Patient weight	135Kgs				Over 100Kgs : reduce one kg beads for every one kg weight increase	

LI-7 air fluidized support system ordering information

LI-7-ST-220V		LI-7 standard type		LI-7-SP-220V		LI-7 Separate type including built-in	
		including standard accessories	<i>standard accessories</i>			Intermittent fluidization controller	
						Hand switch and Hand Switch bracket	
						and standard accessories	
						<i>standard accessories</i>	
		18 ceramic beads 25kg (17 plus 1 spare)				18 ceramic beads 25kg (17 plus 1 spare)	
		2 filter sheet				2 filter sheet	
		1 Vinyl sheet (machine cover)				1 Vinyl sheet (machine cover)	
		1 screen				1 screen	
		2 air cleaner				2 air cleaner	
		1 air filter (for standard)				1 air filter	
		1 pre filter (for standard)				1 pre filter	
		2 single use patient sheet water repellent				2 single use patient sheet water repellent	
		2 single use patient sheet water absorbable				2 single use patient sheet water absorbable	
		1 operation manual (LI-7 standard type)				1 operation manual (LI-7 Separate type)	
		Factory options				Factory options	
LI-7-ST-IN		Intermittent fluidization controller		LI-7-SP-LI		Lift	
LI-7-ST-WS		patient weight scale (4pcs load cell, display)		LI-7-SP-WS		patient weight scale (4pcs load cell etc)	
LI-7-ST-SW		Hand switch (switch and switch board)					
		Dealer options				Dealer options	
LI-7-ST-BS		Built-in Step (with bracket only for standard)		L-LAND3-7		Step (not built-in)	
L-LAND3-7		Step (not built-in)		LI-7-SR		Side rail (with bracket)	
LI-7-SR		Side rail (with bracket)		LI-7-IV		IV holder (with bracket)	
LI-7-IV		IV holder (with bracket)		LI-7-GU		Gatch up back rest	
LI-7-GU		Gatch up back rest		L-LAND3-20		back rest A	
L-LAND3-20		back rest A		L-LAND3-21		back rest B	
L-LAND3-21		back rest B		LI-7-BH		Bag hook	
LI-7-ST-BH		Bag hook		LI-7-PTD		Traction device with bracket	
LI-7-PTD		Traction device with bracket		LI-7-PTDB		Trapeze bar	
LI-7-PTDB		Trapeze bar		LI-7-PL		Patient lifter with sling sheet	
LI-7-PL		Patient lifter with sling sheet		L-LAND3-22		Foot support (with bracket)	
L-LAND3-22		Foot support (with bracket)					
		Disposables				Disposables	
L-LAND3-13		single use patient sheet water repellent		L-LAND3-13		single use patient sheet water repellent	
L-LAND3-14		single use patient sheet water absorbable		L-LAND3-14		single use patient sheet water absorbable	
		Maintenance goods				Maintenance goods	
LI-7-MH-220V		Maintenance heater		LI-7-MH-220V		Maintenance heater	
LI-7-FS		Filter sheet		LI-7-FS		Filter sheet	
L-LAND3-16		Vinyl sheet		L-LAND3-16		Vinyl sheet	
L-LAND3-4		Air cleaner		L-LAND3-4		Air cleaner	
LI-7-ST-FF		Air filter (for standard)		LI-7-FF		Air filter	
LI-7-ST-PF		Pre filter (for standard)		LI-7-PF		Pre filter	
TS-600-5S		Ceramic beads 25kg / can		TS-600-5S		Ceramic beads 25kg / can	
LI-7-SCR		Screen		LI-7-SCR		Screen	
		Parts				Parts	
LI-7-ST-HS		Hand switch		L-LAND6-9		Hand switch	
LI-7-ST-FS		Foot switch		L-LAND3-10		Foot switch	

Air Fluidized Support System

LI-7

Wound Management System – Air Fluidized Therapy Bed



LI-7 Air Fluidized Support System is designed to support the patient on air fluidized ceramic beads in lowest



LI-7 "standard" type
Equipped with optional apparatus such as
IV holder Traction device , bag hook,
Side rail, hand switch, foot switch

■ Air fluidized ceramic beads



LI-7 "separate" type
Equipped with
Optional lift

Feature

■ Ideally low surface contact pressure

Surface contact pressure is reduced as low as below capillary closing pressure to prevent and heal the pressure ulcer
Surface contact pressure by this system is about 10mmHg, while air cell bed or air mattress gives 20 -30mmHg

■ Clean care environment

Body fluids from the patient permeate the filter sheet, and contact the beads showing chemical action to emit sodium ion. Consequently pH value increases up to 11. This alkalization prevents the growth of bacteria. Then after blown air dries body fluids forming lumps, which moves down to the bottom of beads tank as it grows. During this process odors are also removed
As the blown air is filtered and cleaned by air-cleaner of the system, patient is provided with clean environment

■ Filter sheet

Filter sheet, which covers the surface of fluidized beads and prevents beads flow out of the bed, provides controlled and warm upward air flow through its mesh reducing the skin friction and provides comfortable dry environment for the patient.

Indication

- **Burn injury Pressure Ulcer Skin graft**
Treatment of skin damage
- **Spinal fracture - Neck Traction**
Positioning patient after surgery
- **Patient support positioning**
Orthopedics, Traction

< LI-7 system enhancer >

- **Intermittent fluidization**
In the intermittent fluidization mode patient who need to be held static in a specific position may remain as needed in non fluidized beads. This could be done intermittently (ex. 10 seconds fluidization with 10 minutes interval) for patient's fitness and avoid unbalanced surface contact pressure to the patient
- **Lift**
LI-7 separate type may be equipped with an optional lift. Height of bed unit can be changed between 850mm to 1,030mm by the lift so that care-givers may choose utmost serviceability.
Height of the bed unit without lift is 880mm
- **Patient weight Scale**
Patient body weight and its change is measured and displayed
- **Maintenance heater**
Heater unit for faster beads maintenance in high temperature
- **Step**
- **Side rail**
- **Bag hook**
- **Hand and Foot Switch**
- **Back rest**
- **IV holder**
- **Traction Device**
- **Patient Lifter**