

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 standard accessories <i>standard accessories</i>		including built-in 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 Seperate 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-ST-BH	Bag hook	LI-7-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



ISO 13485:2016

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KEISEI

LI-7 Air Fluidized Support System supports the patient on air fluidized ceramic beads, providing the lowest possible pressure to minimize tissue damage, promote healing, and enhance comfort

ISO 13485:2016



LI-7 "standard" type
equipped with optional apparatus:
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 flown 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

● Back rest

● IV holder

● Traction Device

● Patient Lifter