

AIR FLUIDIZED SUPPORT SYSTEM LI-7 STANDARD TYPE

A Wound management System – Air Fluidized Therapy Bed

De-pressurize and/or immobilize patient of burns, bed sores, skin harvest on its posterior.



ISO 13485:2016



KEISEI MEDICAL INDUSTRIAL CO., LTD.

Air Fluidized Support System helps natural wound healing power

The 3 Steps of the Wound Healing Process

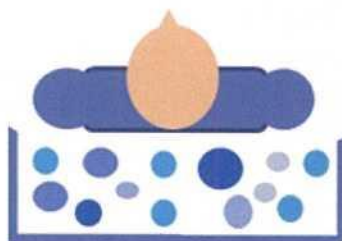
1. Inflammation



2. Proliferation



3. Remodeling



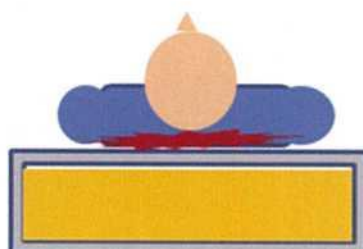
Air Fluidized Bed

De-pressurization by
air fluidized support system
promotes posterior wound
healing

Moisturization
promotes healing



Pressure is the worst negative factor for smooth wound healing.



Urethane mattress bed

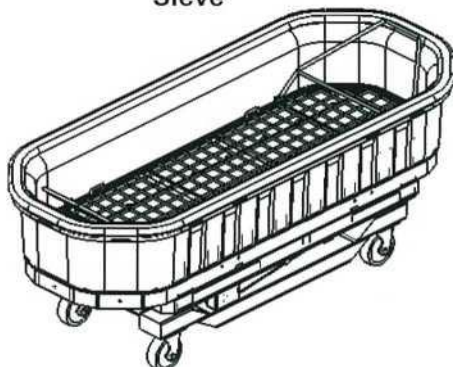
Pressurization by
regular bed etc. delays
posterior wound healing

Disinfection
delays healing



Diligent maintenance / decontamination assures clean environment and long system life

Sieve



Air filter



Filter Sheet



Air cleaner and Air filters



Full description:

- Operation Power

Power Voltage	AC 200 ~ 240V
Frequency of Electric Power	50/60 Hz
Power Consumption	1400 W
- System weight, total

machine	670kg
ceramic beads	245kg
	425kg
- Air Flow Volume rate: 1.7m³ /minute
- Operation Temperature

Temperature setting range:	25 ~ 38°C (0.1°C increment)
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- Intermittent Timer (optional)

Fluidization time setting range:	0 ~ 9999 seconds
De-Fluidization time setting range:	0 ~ 99 min 59 sec
- Automatic weight monitor (optional), with following parameters:

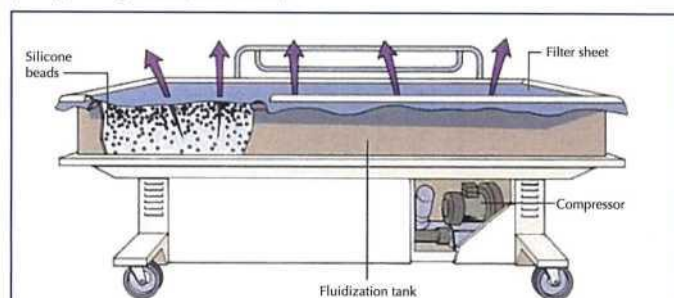
Weight measure:	0kg to 150kg
Weight change:	-99.9kg to +150kg
- Ceramic Beads

Medical Grade Soda lime sphere	
Diameter:	0.05 ~ 0.15mm
Specific Gravity at Fluidization:	1.5
- Filter Sheet made from Monofilament Polyester

mesh open:	0.037mm
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- CPR ready: 5 sec or less after Emergency button press
- Operated-hour count and display: 000,000.0 - 999,999.9 hours
- Noise Level: 50 dB or less
- Beads Tank: ABS

Air-fluidized therapy bed

The air-fluidized therapy bed is a large tub filled with microspheres that are suspended by air pressure and give the patient fluidlike support. The bed provides the advantages of flotation without the disadvantages of instability, patient positioning difficulties, and immobility.



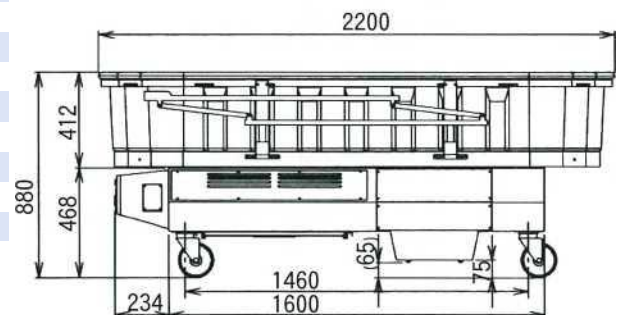
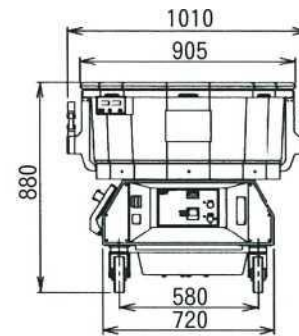
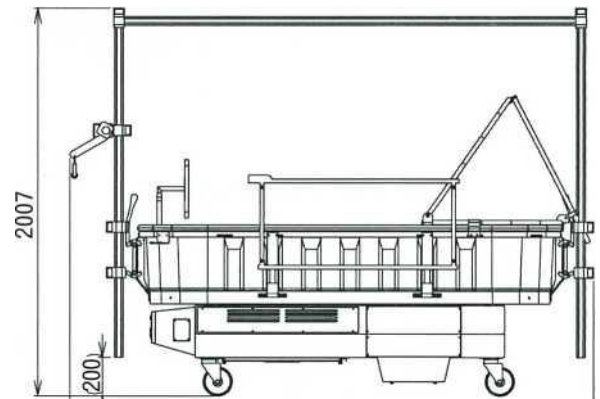
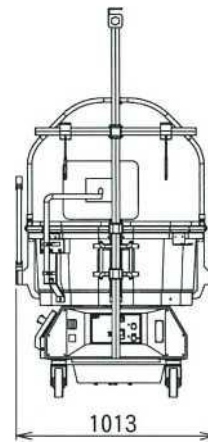
LI-7 Air Fluidized Support System

Specification

LI-7-ST-CE		LI-7 standard type
dimension	main unit	905 (W) 880 (H) 2,200 (L) mm
weight	main unit	245 kg
	ceramic beads	425 kg
Beads fluidization level		single level
Beads temperature controllable range		room temperature, plus 2°C - 20°C
Power consumption		1.1 kW
Beads temperature setting range		25°C - 38°C
Filter Sheet		Monofilament polyester mesh: 0.037mm
Patient height, maximum		200 cm
Patient weight, maximum		135 kg over 100 kg: reduce one kg beads for every one kg weight increase

Ordering information

LI-7-ST-CE		LI-7 standard type
		<i>standard accessories</i>
	18	ceramic beads 25 kg (17 plus 1 spare)
	2	filter sheet
	1	vinyl sheet (machine cover)
	1	screen (sieve)
	2	air cleaner
	1	air filter (for standard)
	1	pre filter (for standard)
	1	operation manual (LI-7 standard type)
Ordering code	<i>Factory options</i>	
LI-7-ST-IN	Intermittent fluidization controller	
LI-7-ST-WS	Patient weight scale (4 pcs load cell, display)	
LI-7-ST-SW	Hand switch (switch and switch board)	
	<i>Dealer options</i>	
LI-7-ST-BS	Built-in step (with bracket only for standard)	
LI-7-SR	Side rail (with bracket)	
LI-7-IV	IV holder (with bracket)	
LI-7-GU	Gatch up back rest	
L-LAND3-20	Back rest A	
L-LAND3-21	Back rest B	
LI-7-ST-BH	Bag hook	
LI-7-PTD	Traction device with bracket	
LI-7-PTDB	Trapeze bar for traction device	
LI-7-PL	Patient lifter with sling sheet	
L-LAND3-22	Foot support (with bracket)	
LI-7-TBH34-EXP	Trapeze bar holder 34mm <Φ>	
	<i>Maintenance goods</i>	
LI-7-FS	Filter sheet	
L-LAND3-16	Vinyl sheet	
L-LAND3-4	Air cleaner	
LI-7-ST-FF	Air filter (for standard)	
LI-7-ST-PF	Pre filter (for standard)	
TS-600-5S	Ceramic beads 25 kg/can	
LI-7-SCR	Screen (sieve)	
	<i>Parts</i>	
LI-7-ST-HS	Hand switch	
LI-7-ST-FS	Foot switch	



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