

Advanced Care Facility Bed That Accommodates Various Nursing Environment and Physical Condition



Resin Board



Wooden Board



Wooden Shelf Board

Patent Pending
 High Back Support Function

Patent Pending
 Reclining Control

Patent No. 5089786
 Control Switch Shape

Function

■ Interlocking High Back Support Function 2 Motors



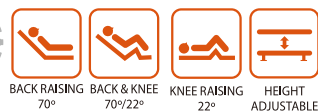
■ 2 Motors



■ Electric High Back Support Function 3 Motors

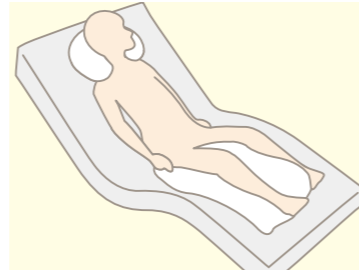


■ 3 Motors



Positioning Bed

Positioning Bed incorporates the High Back Support Function and Fitting Function at the knees to alleviate shear pressure when lifting the back and provide relaxing comfort. This new electric care facility bed, Ardel Positioning Bed Series improves posture and supports nursing care.



Expected Results of Using the Positioning Bed

Reduced Risk of Aspiration

Adjusting the angle of the neck when the back is lifted and reducing abdominal pressure helps with swallowing. This helps with dysphagia rehabilitation and reduces the risk of aspiration.



Posture to Improve Respiration

Improving posture by spreading the diaphragm and reducing back and abdominal pressure helps with respiration. Curving the upper section of the trunk also reduces force on circulatory organs.

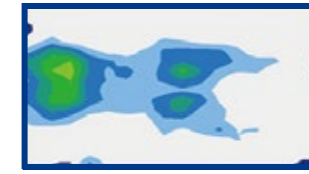
Positioning Bed Supports a Wide Range of Users from Those with Kyphosis to Pregnant Women

Controlling the angle of the high back support helps improve their positioning when the back is lifted. This alleviates shear force when lifting the back and provides comfort.

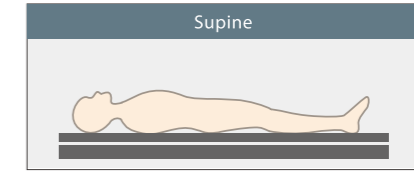
Reduce Risk of Bedsores

Compared to conventional back lifting mechanisms, the High Back Support Function reduces pressure and force on the body. This also helps with positioning for bedsore treatments.

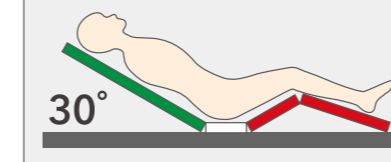
Back Raising 30°



Maximum pressure
43mmHg



Back Raising 30° with Conventional Bed

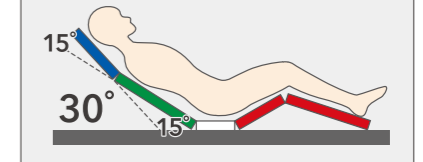


Maximum pressure
62mmHg

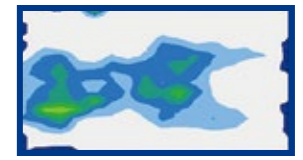
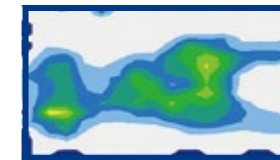
Maximum pressure
49mmHg

Reduced by 21%

Back Raising 30° with High Back Support Function



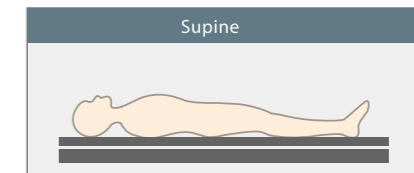
Reduces pressure on the sacrum by 21% compared to back raising 30° with conventional bed



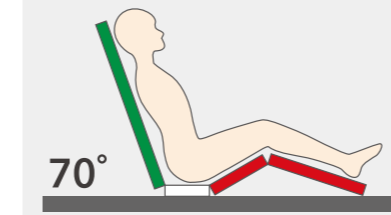
Back Raising 70°



Maximum pressure
43mmHg



Back Raising 70° with Conventional Bed

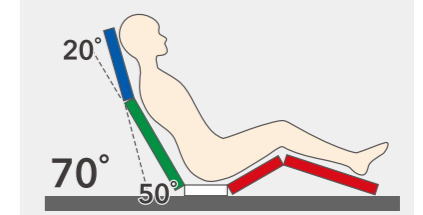


Maximum pressure
118 mmHg

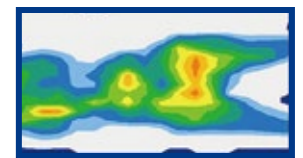
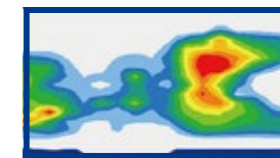
Maximum pressure
85mmHg

Reduced by 28%

Back Raising 70° with High Back Support Function



Reduces pressure on the sacrum by 28% compared to back raising 70° with conventional bed

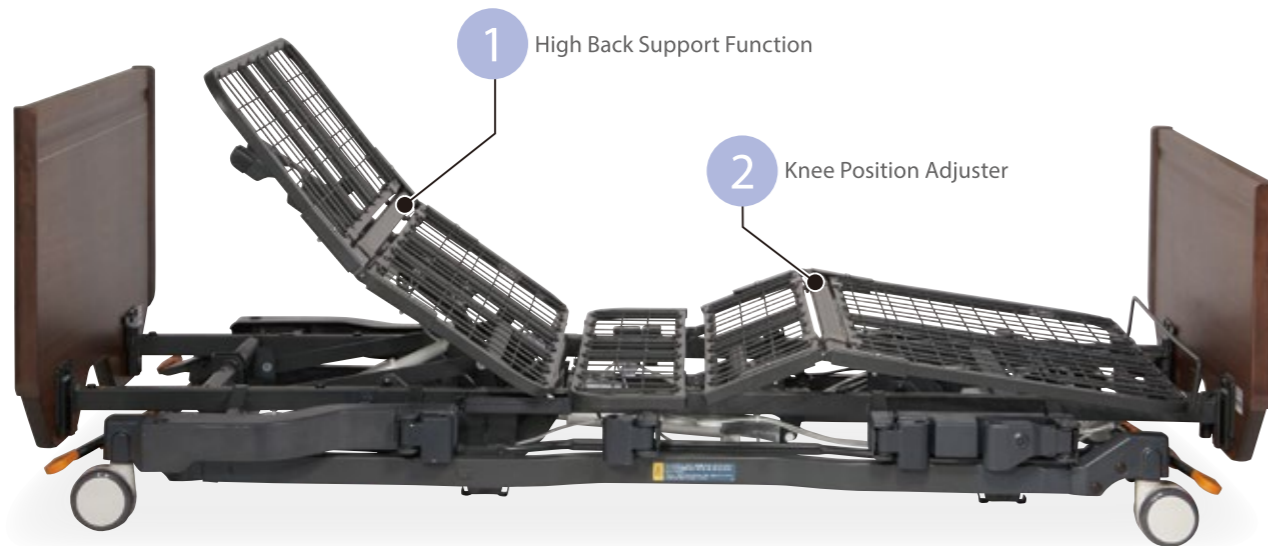


Test Subject: 165cm, 60kg, Female Testing Equipment: FSA(VERG Inc., Canada) Using Thank U Point Mattress
* Example data. Individual results may vary

Features

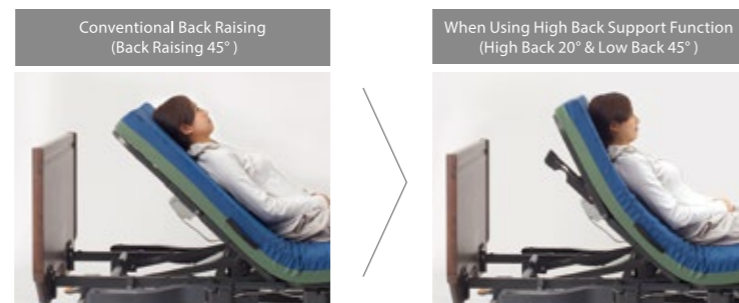
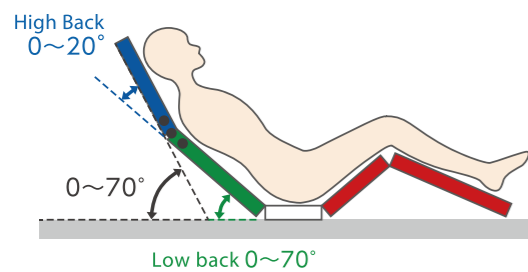
New Back Lifting to Reduce Risk of Aspiration and Alleviate Shear Force

Ardel Positioning Bed Series



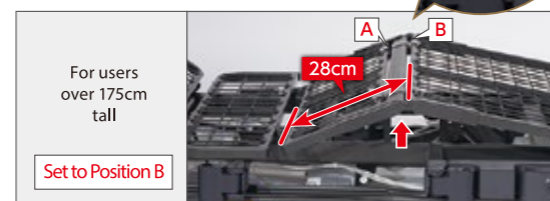
1 High Back Support Function

Separating the High back (head to middle back) and low back gives the user the ability to adjust the angle of each section as the user lifts their back
 On the 2 Motors Positioning bed, the high back and back lifting motors operate in tandem
 On the 3 Motors Positioning Bed, the high back can be operated individually



2 Knee position adjuster to reduce slippage during reclining

Easily adjustable just by pulling off and sliding the pin



Back / Knee Interlocking Motion Reduces Abdominal Pressure and Shear Force with the Press of a Button

Find your ideal reclining position with the press of a button to control the angles of the low back, high back, and knees
 This reduces pressure on the abdomen and alleviates shear force

3 Motors



At the press of a “連動(interlock)” button, the head and knees are raised like this.

It stops once at the angle of “High Back 20°” / “Low Back 50°”.



2 Motors



At the press of a “あたま(head)” button, the head is raised like this.



Positioning Bed Series' Convenient Functions

Swollen reduction by foot lifting function



Does not interfere with transferring to a wheelchair



If the rail holder is retractable, a wheelchair can be placed close to the bed and the patient can easily move from bed to the wheelchair

Center pedal and side pedal enable to lock collectively (Central Lock type only)



Convenient Shelf Type



Angle Meter



Attach the angle meter to the bottom area and confirm the angle as the user is lifting their back

Easy to operate with a weak grip



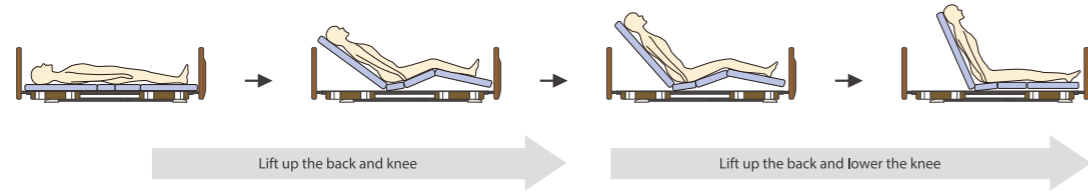
Features

Standard model that is enhanced serviceability Ardel Basic Bed Series



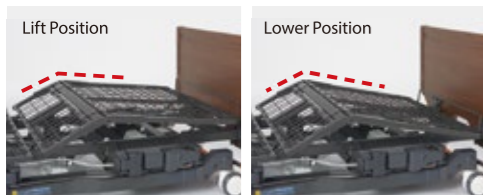
Back / Knee Interlocking Motion Reduces Abdominal Pressure and Shear Force with the Press of a Button

Find your ideal reclining position with the press of a button to control the angles of the back and knees
This reduces pressure on the abdomen and alleviates shear force



Basic Bed Series' Convenient Functions

Swollen reduction by foot lifting function



Insert Side Rail in the Center



Center pedal and side pedal enable to lock collectively
(Central Lock type only)



Convenient Shelf Type



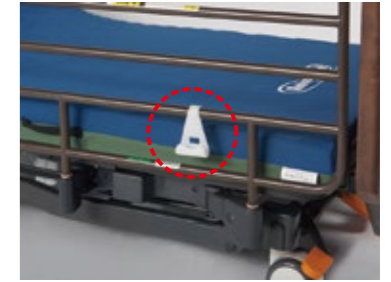
Side Rail Storage Holder



IV Pole Holder



Urine Bag Hook



Angle Meter



Attach the angle meter to the bottom area and confirm the angle as the user is lifting their back

Chargeable Battery



An optional battery unit is available to power the bed during a power outage or for locations with no electricity
The battery must be charged

Optional Parts



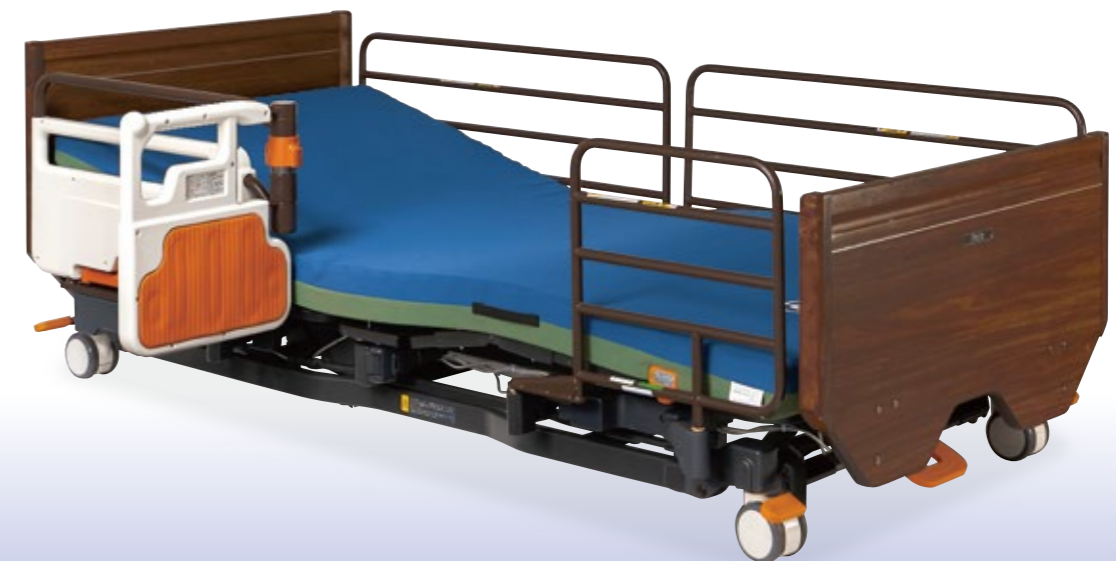
PE06-BA19
Chargeable Battery for Ardel Series
Weight:1.7kg



PDP-140G
Extension Legs for Ardel
Material: Steel, ABS
Height in usage: +14cm
※Not usable for Central Lock type



PDP-70G
Extension Legs for Ardel
Material: Steel, ABS
Height in usage: +7cm
※Not usable for Central Lock type

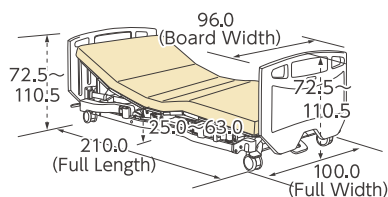


Specifications

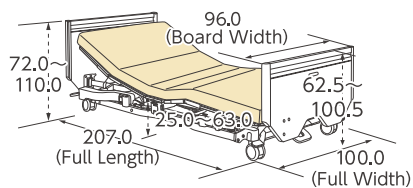
2 Motors, 3 Motors

(Unit: cm)

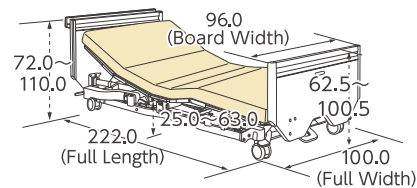
•Resin Board



•Wooden Board



•Wooden Shelf Board



* 8cm or over space at leg side and 6.5cm or over space at head side is necessary because the bed is moving up and down in arc

* Space between floor and base frame is 6.5cm

* The size of Positioning Bed and Basic Bed are the same.

Positioning Bed Series

		Interlocking High Back Support Function 2 Motors		Electric High Back Support Function 3 Motors	
Caster Type		4-Caster-Lock Type	Central Lock Type	4-Caster-Lock Type	Central Lock Type
Suitable Mattress Size		Length 190.0 - 192.0cm, Width 88.0 - 91.0cm			
Weight	Resin Board	95.5kg	105.0kg	98.0kg	107.5kg
	Wooden Board	100.0kg	109.5kg	102.5kg	112.0kg
	Wooden Shelf Board	103.5kg	113.0kg	106.0kg	115.5kg
Packing		5	4	5	4
Material		Frame: Steel, ABS Head, Foot Board (Resin Board) PE (Wooden Board) Decorative Paneled Fiberboard, Urethane Resin Coated Natural Wood			
Angle Adjustment	High Back Angle	0-20° (Interlocks with back raising)		0-20°	
	Back Angle	0-70°			
	Knee Angle	0-22° (Interlocks with back raising)		0-22°	
Bottom Height		25.0 - 63.0cm			
Voltage		100VAC - 240VAC (50/60Hz)			
Power Consumption		150W			
Motor		Denmark LINAK			
Maximum Load Capacity for User's Weight		138kg / Safe load capacity: 174kg (1700N)			
Country of Manufacture		Vietnam			

Basic Bed Series

		2 Motors		3 Motors	
Caster Type		4-Caster-Lock Type	Central Lock Type	4-Caster-Lock Type	Central Lock Type
Suitable Mattress Size		Length 190.0 - 192.0cm, Width 88.0 - 91.0cm			
Weight	Resin Board	89.5kg	99.0kg	91.5kg	101.0kg
	Wooden Board	94.0kg	103.5kg	96.0kg	105.5kg
	Wooden Shelf Board	97.5kg	107.0kg	99.5kg	109.0kg
Packing		5	4	5	4
Material		Frame: Steel, ABS Head, Foot Board (Resin Board) PE (Wooden Board) Decorative Paneled Fiberboard, Urethane Resin Coated Natural Wood			
Angle Adjustment	Back Angle	0-70°			
	Knee Angle	0-22° (Interlocks with back raising)			
Bottom Height		25.0 - 63.0cm			
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