

# Enterprise 9000 E9X

## Clinical Focus

**ARJOHUNTLEIGH**  
GETINGE GROUP





## Focus on Early Exercise and Mobilisation

Early mobilisation<sup>6, 7</sup> and exercise reduces the risk of VTE<sup>8</sup>, falls and pressure ulcer formation

Using the *Enterprise* 9000 E9X bed functionalities develop specific mobilisation and exercise plans with measurable outcomes considering the following:

### Core elements:

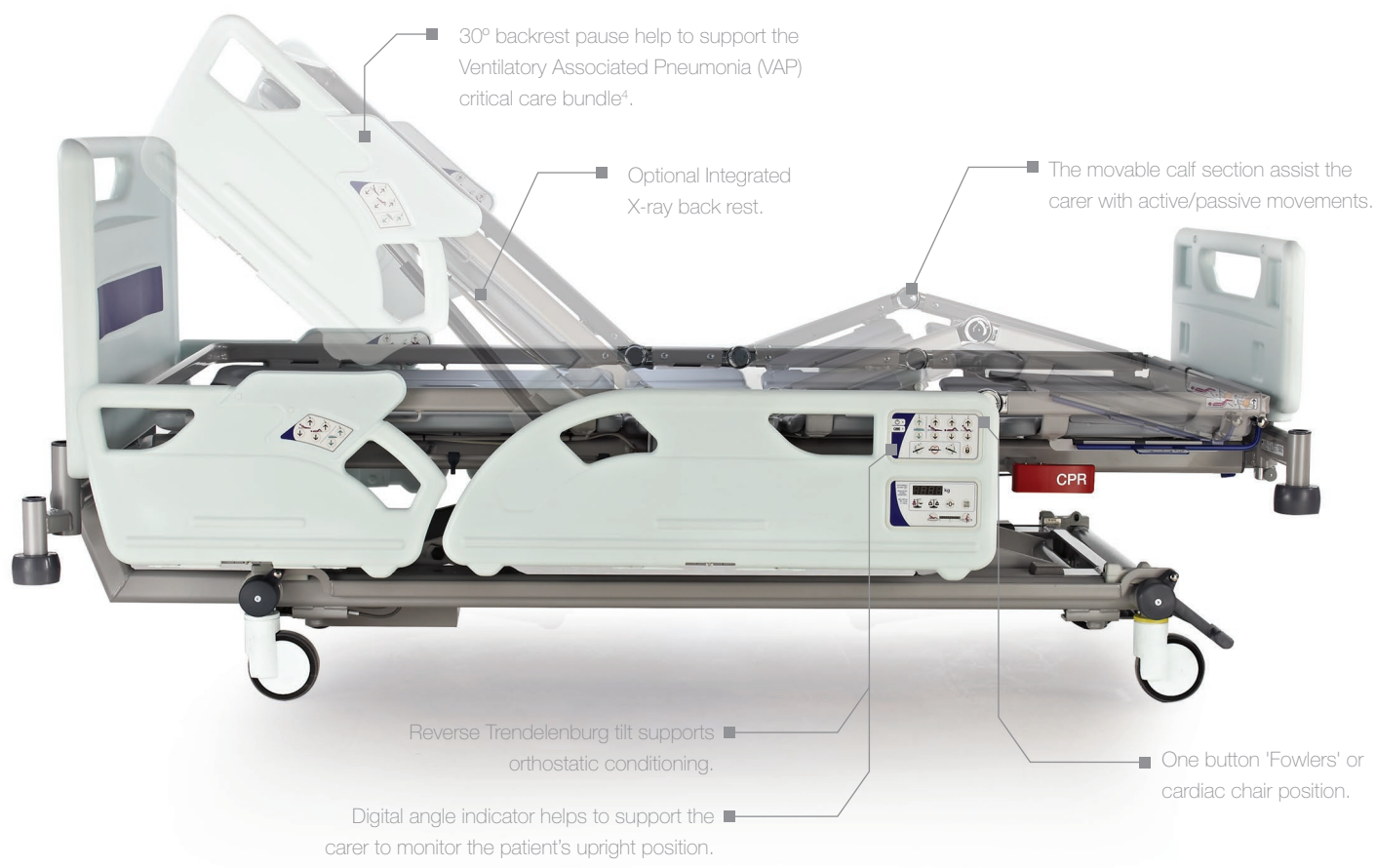
- Positioning – semi recumbent at least 30°, up to 45° Head of Bed (HoB) dependant on skin assessment
- Regular position change
- Active and passive movements of limbs
- Orthostatic conditioning – muscle stimulation

### Core stability:

- Strengthening and endurance training
- Truncal stability
- Static/dynamic sitting balance

### Mobilisation:

- Lie to sit
- Sit to stand – weight bearing
- Standing
- Transfer
- Ambulation

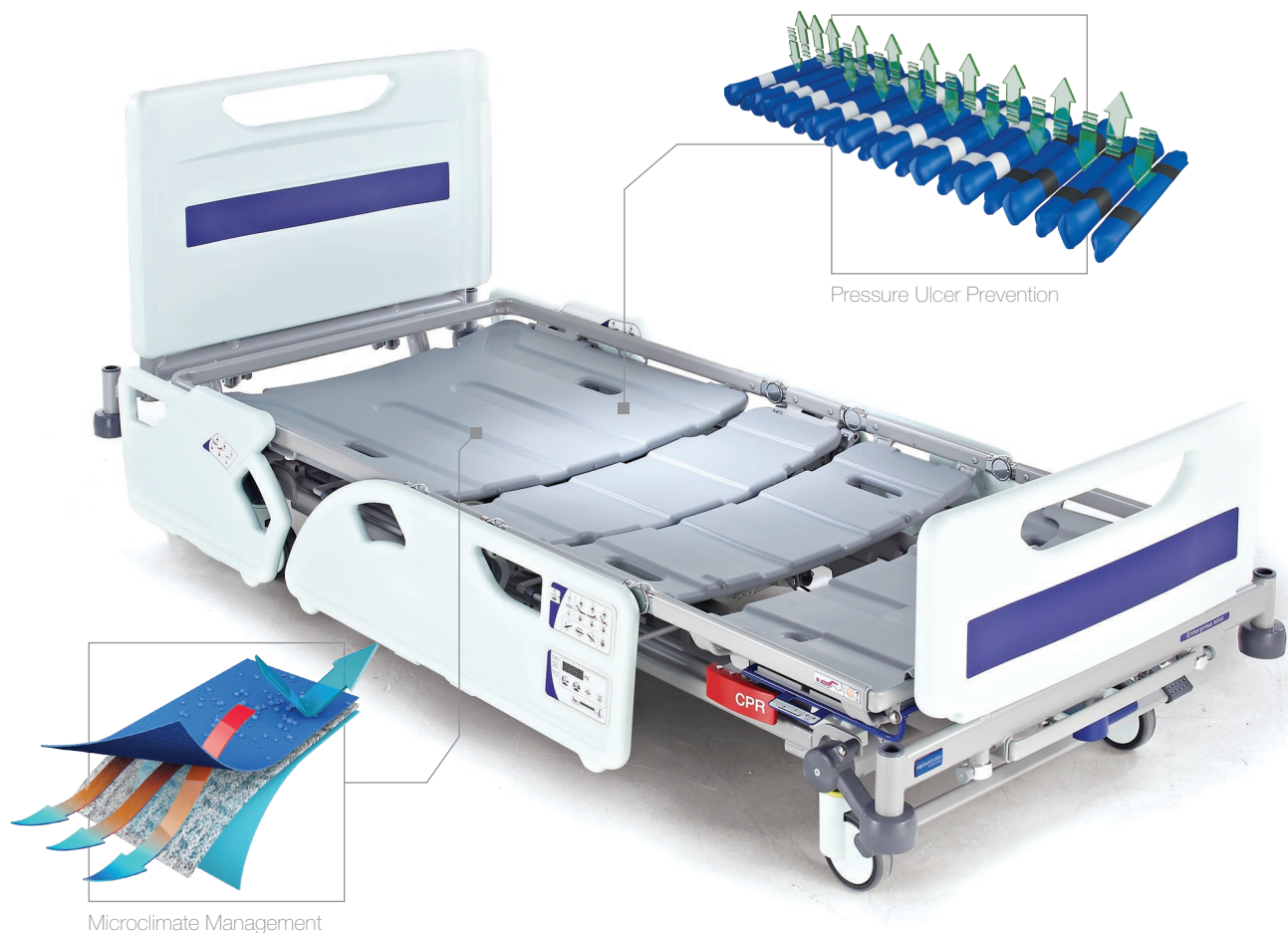


## Focus on Upright Positioning

Cardiac chair and upright positioning offers the following benefits: <sup>9,10</sup>

Cardiopulmonary	▲ Lung Capacity	▲ PaO <sub>2</sub>
	▲ Lung Volumes	▲ Mobilisation of Secretions
	▲ Flow Rates	▼ Airway Resistance
	▲ Lung Expansion	▼ Work of Breathing
Cardiovascular	▲ Total Blood Volume	▼ Central Venous Pressure
	▼ Work of the Heart	▲ Blood Supply of Lower Limbs
	▼ Central Blood Volume	▼ Pulmonary Vascular Congestion
Musculoskeletal	▼ Muscle Atrophy	▼ Osteoporosis
	▼ Joint Contractures	▼ Muscle Blood Flow
Skin	▲ Peripheral Circulation	▼ Risk of Pressure Ulcer Formation
Gastrointestinal	▲ Gut Motility	▲ Appetite
	▲ Absorption of Nutrients	▼ Risk of Malnutrition
Urinary	▼ Stagnation of Urine	▲ Gravitational Drainage of Urine
	Risk of Infection	Risk of Renal Calculus Formation
Psychological	▼ Social Isolation	▼ Anxiety
	▼ Depression	▼ Disorientation/Delirium





## Focus on Total Patient Management

Integrated solutions to enhance the quality and efficiency of care

### Active Pressure Redistribution – Nimbus® Range<sup>11</sup>

- Supports prone positioning
- Reduce the risk of pressure ulcer formation
- Automatic mattress adjustment regarding the patient's weight, size and position
- Off loading using Wound Valve technology

### Microclimate Management – Skin IQ® <sup>12, 13</sup>

- Mattress coverlet to be used in conjunction with a therapeutic surface
- Control skin moisture levels
- Regulate Temperature
- Reduce Shear

### Patient Positioning – Enterprise 9000 E9X and Nimbus Range

Combined prone and upright positioning can<sup>14</sup>:

- Reduce the risk of permanent lung damage whilst optimising postural drainage<sup>15</sup>
- Improve oxygenation by modifying the distribution of ventilation and perfusion<sup>16</sup>
- Reduce Ventilatory Associated Pneumonia (VAP)

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# Supporting Harm Free Care

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The new Enterprise® 9000 E9X high dependency/critical care bed incorporates advanced features which support patient positioning and safety, risk management, infection control, maintenance and ease of use.

The *Enterprise* 9000 E9X bed has integrated *VariZone* bed exit alarm, anti-entrapment system (AES), digital angle indicators and integrated weighing scales, focusing on key clinical needs common to the critical care environment, namely:

## Early Exercise and Mobilisation

Early mobilisation can reduce mechanical ventilation and the length of stay in a critical care unit<sup>1</sup>. The ArjoHuntleigh portfolio, from medical beds to patient handling can help support the carer to deliver Harm Free Care:

- Reduction in falls:
  - Use of the beds low height of 32cm, *VariZone* bed exit alarm, split safety sides and under bed lighting can assist the carer with patient mobilisation
- Reduction in pressure ulcer formation by considering:
  - Repositioning in bed
  - Pressure and Shear
  - Microclimate Management
  - Off loading
- Reduction in Venous Thromboembolism (VTE):
  - Using Intermittent Pneumatic Compression (IPC), mobilisation and exercise
- Reduction in staff injuries:
  - An active or passive lifter will help to support the carer to undertake early mobilisation
- Integrated weighing scales on the Enterprise 9000 E9X enables the carer to monitor the patient's weight

## Upright Positioning

Early patient mobilisation is key to achieving early patient discharge with a reduction in Ventilatory Associated Pneumonia (VAP) by considering<sup>2</sup>:

- Head of bed 30°- 45°
- Head of bed 30°- 45°, legs in dependent position, 'Fowlers'/cardiac chair position
- Head of bed 65°, legs in dependent position, feet on floor or reverse Trendelenburg position
- Edge of bed, dynamic sitting balance
- Transfer to chair, tilt in space
- Weight bearing to stand

## Total Patient Management

ArjoHuntleigh considers that maintaining and stimulating functional mobility is vital for quality care:

- The product portfolio matches specific mobility levels with the right combination of support and activation
- Promoting and maintaining mobility improves patients' quality of life and reduces strain on staff, thus creating a better working environment<sup>3</sup>

**Harm Free Care**<sup>4,5</sup> focuses on reducing the risk of:

- Pressure ulcer formation
- Falls
- Venous Thromboembolism (VTE)
- Catheter induced UTI

# Enterprise 9000 E9X

## Clinical Focus

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**GETINGE GROUP**

**Getinge Group** is a leading global provider of products and systems that contribute to quality enhancement and cost efficiency within healthcare and life sciences. We operate under the three brands of **ArjoHuntleigh**, **Getinge** and **Maquet**. **ArjoHuntleigh** focuses on patient mobility and wound management solutions. **Getinge** provides solutions for infection control within healthcare and contamination prevention within life sciences. **Maquet** specialises in solutions, therapies and products for surgical interventions, interventional cardiology and intensive care.

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