



The VM-PSE9 (E9) is a hydraulic trauma stretcher designed for emergency departments, trauma bays, and theatre recovery environments, offering height adjustment from 600 to 920 mm (± 10 mm), a gas-spring backrest adjustable from 0 to 85° ($\pm 5^\circ$), and foot-pedal-controlled Trendelenburg tilt. The X-ray translucent top board allows diagnostic imaging to be performed directly on the stretcher without patient transfer, while the galvanised steel epoxy-coated frame supports a safe working load of 2500 N (approximately 255 kg). The VM-PSE9 (E9) is suited to high-acuity clinical settings where single-operator adjustability, structural integrity, and imaging compatibility must work simultaneously.

Hydraulic Height Adjustment, Gas-Spring Backrest, and Trendelenburg Control

The VM-PSE9 (E9) hydraulic lift mechanism adjusts the stretcher platform from 600 mm to 920 mm (± 10 mm) with minimal operator effort, enabling a single clinician to reposition the stretcher for ambulance offload at low height, ergonomic clinical assessment at mid-height, or resuscitation at working height without manual cranking. The gas-spring backrest provides smooth, progressive adjustment from fully supine at 0° to near-vertical at 85° ($\pm 5^\circ$), supporting supine positioning for resuscitation, semi-recumbent for respiratory compromise, and upright for conscious or post-procedure patients — all achievable one-handed. Trendelenburg and reverse Trendelenburg tilt is controlled via foot pedals located on both sides of the stretcher, keeping the clinician's hands free and allowing rapid platform repositioning during haemodynamic or airway emergencies.

X-Ray Translucent Top Board for In-Situ Imaging

The E9's top board and backrest are manufactured from X-ray translucent material, allowing plain-film and fluoroscopic imaging to be performed with the patient remaining on the stretcher throughout. In trauma and emergency scenarios, eliminating the need to transfer an unstable or immobilised patient to a separate radiology table reduces both the clinical risk to the patient and the time to diagnosis. This capability makes the VM-PSE9 (E9) particularly well suited to trauma bays and emergency departments where rapid imaging directly follows initial assessment, without requiring a dedicated radiology trolley.

Frame Construction, Safe Working Load, and Availability in South Africa

The main frame of the E9 is constructed from galvanised steel tube finished with an epoxy electrostatic spray coating, providing superior corrosion resistance, a durable wipe-clean surface compatible with standard hospital disinfection protocols, and the structural rigidity required to maintain stability across the full height and positional adjustment range. The safe working load of 2500 N (approximately 255 kg) accommodates the broad adult patient population in South African emergency and trauma settings. The VM-PSE9 (E9) is rated for operation between 5°C and 40°C , covering the temperature range encountered across South African clinical environments. Available in South Africa from Vital Medical, the VM-PSE9 (E9) is suited to emergency departments, trauma bays,

operating theatre recovery rooms, procedure suites, and within-facility transport.

Technical Specifications

Specification	Value
Model	E9
Vital Medical Code	VM-PSE9
Stretcher Type	Hydraulic trauma / transport stretcher
Frame Material	Galvanised steel tube, epoxy electrostatic spray coating
Top Board	X-ray translucent material
Height Adjustment	Hydraulic
Height Range	600-920 mm (± 10 mm)
Backrest Adjustment	0-85° ($\pm 5^\circ$)
Backrest Control	Gas spring
Trendelenburg / Reverse Trendelenburg	Foot pedal controlled, both sides
Safe Working Load	2500 N (approx. 255 kg)
Operating Temperature	5°C-40°C
Suitable Environments	Emergency, trauma, theatre recovery, procedure, transport

SKU: VM-PSE9