

The VM-STWXR (E-8) is a clinical-grade, multi-function hydraulic patient stretcher with a full-body X-ray translucent top board, gas spring-controlled backrest (0–85° ±5°), manual crank knee break (0–30°), and foot pedal Trendelenburg/reverse Trendelenburg tilt. Height adjusts from 600 to 920mm (±10mm) via a dual hydraulic pump system, with a safe working load of 2500N. The galvanized steel frame carries an electrostatic powder spray coating, and the stretcher is supplied with collapsible aluminium alloy side rails, a directional fifth-wheel castor, four central-brake castors, IV pole, and mattress.

Height Adjustment, Backrest, and Knee Break

The VM-STWXR (E-8) hydraulic trauma stretcher adjusts in height from 600 to 920mm (±10mm) via dual rise-and-fall hydraulic pump systems operated by foot pedals on both sides of the frame. The 320mm working range allows a low transfer height for safe loading from ambulance trolleys or ground level, and a raised clinical height that reduces musculoskeletal strain on staff during resuscitation, assessment, and procedural care. The backrest is controlled by a gas spring mechanism and adjusts from flat (0°) to near-upright (85° ±5°), supporting airway positioning, respiratory compromise management, conscious sedation, and patient sitting comfort across the full range without jerky or uncontrolled movement. The knee break section adjusts from 0° to 30° via a manual crank, enabling semi-Fowler positioning, lower-limb elevation for venous return support, and improved patient comfort during extended procedures.

X-Ray Translucency, Trendelenburg, and Patient Safety

The top board is manufactured from X-ray translucent material, eliminating the need to transfer the patient to a separate imaging surface for plain film radiography — reducing unnecessary movement of trauma patients and streamlining workflows in emergency departments and trauma bays. Trendelenburg and reverse Trendelenburg tilt are controlled by foot pedals, providing rapid positional correction for haemodynamically compromised patients, post-procedure recovery positioning, and head-of-bed elevation. Four anti-collision corner bumpers protect both the patient and room infrastructure during corridor and bay movement. Collapsible aluminium alloy side rails provide bilateral fall protection and fold flat for lateral access and patient transfers. A lead-screw interference protection system is integrated into the height adjustment mechanism to prevent mechanical damage during operation.

Castor System, Frame Construction, and Standard Accessories

Mobility is managed by four central-brake castors and a directional fifth-wheel steering castor, which allows controlled directional driving — particularly useful in narrow corridors and tight bay configurations where a conventional four-castor layout requires repeated repositioning. The central brake system locks all four castors simultaneously. The galvanized steel frame carries an electrostatic powder spray finish for corrosion resistance and compatibility with hospital-grade disinfectants. A stainless steel IV pole with four holes for repositioning is included as standard, along with two fixed push handles, an X-ray cassette holder, drainage provision, and a full-length mattress. Available in South Africa from Vital Medical, the VM-STWXR is suited to emergency departments, trauma bays, operating theatres, recovery rooms, ICUs, and inter-ward patient transport.

Technical Specifications

Specification	Value
Model	E-8
SKU	VM-STWXR

Specification	Value
Manufacturer	Hebei Pukang Medical Instruments Co., Ltd.
Type	Hydraulic multi-function patient stretcher
Frame	Galvanized steel, electrostatic powder spray coating
Top Board	X-ray translucent
Safe Working Load	2500N
Height Adjustment	600–920mm (±10mm) — dual hydraulic pump, foot pedal
Backrest Adjustment	0–85° (±5°) — gas spring
Knee Break	0–30° — manual crank
Trendelenburg/Reverse Trendelenburg	Foot pedal operated
Castors	4 × central-brake castors
Fifth Wheel	1 × directional steering castor
Side Rails	Collapsible aluminium alloy, 1 set
IV Pole	1 pc; 4 repositioning holes
Push Handles	2 × fixed
X-Ray Cassette Holder	1 pc
Corner Bumpers	4 × anti-collision
Lead-Screw Protection	Yes
Mattress	Included (1 set)

SKU: VM-STWXR