



The Adult PVC Resuscitator CP (VM-RSPVCACP) is a manual bag-valve-mask (BVM) resuscitator for emergency ventilation of adult patients over 40kg during cardiac arrest, respiratory failure or anaesthetic induction. The PVC bag-valve assembly has a 1500ml (± 200 ml) bag volume, a stroke volume of ≥ 600 ml, a pressure-limiting valve (40-60cmH₂O) and a 2000ml oxygen reservoir bag, delivering an FiO₂ of $\geq 85\%$ at a 15L/min oxygen flow rate. The ISO5356-1 22/15mm patient connector interfaces with all standard adult face masks, endotracheal tube connectors, laryngeal masks and supraglottic airway devices. It measures 212 × 131mm and operates from -18°C to +50°C. Available in South Africa from Vital Medical.

What Is the Adult PVC Resuscitator CP?

The VM-RSPVCACP is a manual bag-valve-mask (BVM) resuscitator for emergency ventilation of adult patients (over 40kg) during cardiac arrest, respiratory failure or anaesthetic induction. The PVC bag-

valve assembly compresses to deliver a controlled tidal volume with each hand squeeze, and the pressure-limiting valve (40-60cmH₂O) prevents barotrauma by venting excess pressure before it reaches the airway. The ISO5356-1 22/15mm patient connector interfaces with all standard adult face masks, endotracheal tube connectors, laryngeal masks and supraglottic airway devices.

Technical Performance

The resuscitator bag volume of 1500ml (± 200 ml) and stroke volume of ≥ 600 ml support the tidal volumes required for adult ventilation, 6-8ml/kg ideal body weight in CPR. The 2000ml oxygen reservoir bag ensures that at an oxygen flow rate of 15L/min, the inspired oxygen fraction (FiO₂) delivered is $\geq 85\%$, well above the $\geq 60\%$ FiO₂ required for effective oxygenation in resuscitation. The recommended ventilation rate in adult CPR is 12 BPM with a tidal volume of 600ml at 15L/min supplementary oxygen.

Infection Control, Compatibility and Availability in South Africa

The PVC construction of the VM-RSPVCACP is supplied as a single-use or limited-reuse item, and local decontamination protocols should be checked before reuse. The patient connector is compatible with all ISO5356-1 standard masks and airway devices. Available in South Africa from Vital Medical, and for reusable silicone alternatives with full autoclave capability, see VM-RSSA and VM-RSSASCP. Facilities can request a free quote through the Vital Medical website and receive a personalised response within 24 hours.

TECHNICAL SPECIFICATIONS TABLE

Specification	Detail
Brand	Vital Medical
SKU	VM-RSPVCACP
Type	Manual BVM resuscitator – PVC – adult (CP series)

Specification		Detail
Patient Size	Adult (>40kg)	
Bag Volume	1500ml ± 200ml	
Stroke Volume	≥600ml	
Reservoir Volume	2000ml	
Dimensions	212 × 131mm	
Pressure Limiting Valve	40-60cmH ₂ O	
Patient Connector	ISO5356-1: Ø22/15mm	
O ₂ Concentration (≥85%)	Vt 600ml, 12 BPM, 15L/min flow	
Operating Temp	-18°C to +50°C	

SKU: VM-RSPVCACP