



The Silicone Child Resuscitator (VM-RSSC), the Hi-Care RESSILC, is a silicone bag-valve-mask resuscitator sized and calibrated for paediatric patients weighing 10-30kg. It has a 500ml silicone bag, a size 3 mask, a pressure relief valve and a 2700ml oxygen reservoir. It includes a patient valve with pressure relief valve, a reservoir valve and an oxygen reservoir, operates from -18°C to +50°C, and is autoclavable for multi-patient reuse. Available in South Africa from Vital Medical.

What Is the Silicone Child Resuscitator?

The VM-RSSC, the Hi-Care RESSILC, is a silicone bag-valve-mask resuscitator sized and calibrated for paediatric patients (10-30kg body weight). The 500ml silicone bag delivers the smaller, more precisely controlled tidal volumes required in paediatric ventilation, typically 6-8ml/kg, which translates to approximately 75-240ml for a child in this weight range. The size 3 mask provides the appropriate facial seal for the paediatric face, and the pressure relief valve prevents the barotrauma that is particularly dangerous in small, compliant paediatric airways.

Paediatric Resuscitation Considerations

Paediatric resuscitation requires instruments scaled to the patient, since an adult BVM used on a child delivers dangerously high tidal volumes that can cause pneumothorax and worsen outcomes. The VM-RSSC delivers ventilation volumes appropriate for children while the pressure limiting valve provides an additional safeguard against excess airway pressure. The 2700ml oxygen reservoir ensures a high FiO₂ (≥85%) at standard supplementary oxygen flow rates, supporting effective oxygenation during paediatric cardiac arrest and respiratory failure.

Components, Reuse and Availability in South Africa

The VM-RSSC includes a patient valve with pressure relief valve, a 500ml silicone bag, a reservoir valve, a 2700ml oxygen reservoir and a size 3 mask. The autoclavable silicone construction supports multi-patient reuse with standard CSSD processing. Available in South Africa from Vital Medical, and for a CP carry bag version, see VM-RSSCSCP; for infant resuscitation, see VM-RSSI. 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	Hi-Care
SKU	VM-RSSC
Model	RESSILC
Type	Manual BVM resuscitator – silicone – child
Patient Size	Paediatric (10-30kg)
Bag Volume	500ml (silicone)
Mask Size	#3 (Child)
Oxygen Reservoir	2700ml
Components	Patient valve with PLV, silicone bag, reservoir valve, O ₂ reservoir
Sterilisation	Autoclavable (silicone)
Operating Temp	-18°C to +50°C
Application	Paediatric CPR, emergency ventilation

SKU: VM-RSSC