The SIMEX subglottic Aspiration System models cuff M and cuff S are indicated for vacuum suction, extraction, aspiration and removal of surgical fluids, tissue (including bone), bodily fluids or infectious materials from patient's airway or respiratory system, either during surgery or at the patient's bedside.

Generally, the SIMEX Subglottic Aspiration System is intended for removing subglottic secretions from patient's airway above the endotracheal or tracheal cuff using intermittent suction when used in ICU and acute care settings where the duration of mechanical ventilation is limited to maximum of 4 weeks.

Why cuff M and cuff S

- The cuff M and cuff S are the only subglottic aspiration systems designed and indicated for intermittent aspiration of subglottic secretions.

- The cuff M and cuff S are the only suction pumps indicated for use with specially designed endotracheal or tracheal tubes with a separate dorsal suction lumen that opens directly above the ballooned cuff of the tube.

- Predominance of new research indicates that continuous aspiration of subglottic fluids can greatly reduce the incidence of Ventilator Associated Pneumonia (VAP) but that intermittent aspiration is more successful and reduces the risk of injury due to drying of the mucous membranes (Ref. 1, 19-20). The benefits of reducing incidence of VAP in acute care settings is known, but long term incidence of VAP or reduction of mortality is not known at this time.

- New clinical experience in Europe has demonstrated the efficacy of intermittent subglottic aspiration with the cuff M and cuff S. (Ref. 11)

TECHNICAL SPECIFICATIONS

Aspiration flow	Max. 8L/min
Pressure	-20 mbar a -300 mbar (10 mbar scale)
Container	Disposable cup secretions system “Bag” y “OneWay” (1000ml)
Aspiration Cannula	Silicone cannulas recommended, 6 mm diameter (inside), length 150 mm
Nominal voltage of the load current of the power supply. Frequency	100-20V primary CA/ 12V secondary CD 1.25 to 50/60 Hz
Nominal voltage of PCB	12 V CD
Energy	15W (charging and working)/ 10W (just charging)
Current consumption	1.25 A by 12 V
Rechargable battery	7.4 V, 4.4 Ah- Lithio- ion
Battery time charge 50% battery time charge	6 - 7 hours 3 - 3.5 hours
Dimensions (Height x Width x Depth)	290 x 259 + 100 (container) x 130 mm
Weight (Basic device)	Approx. 2.2 kg
Work time	Network: Continuous / battery: using vacuum pump: approx. 18 hours
Work Mode	Intermittent aspiration
Protection class IEC 60601-1	Type BF IP20
Risk by 93/42 / UE, attached IX	IIa
Protection class IEC 60601-1	I
CE certificate	CE0483
Noise	35dB (A)
Environmental Conditions	Transport/ Storage: -10° C to +60° C. Operation: +5° C a +35° C Load temperature recommended: +15° C + 30° C. RElative humidity: from 5 to 80%, without condensation. Air pressure: 860hPa – 1060hPa
Item number	100679
UL Clasification	Medical suction unit: Risk of electric shock and mechanical hazards only in accordance with UL606 011/ CAN/ CSA C22.2 No.601.13KCX