



## PRODUCT SPECIFICATIONS

# Uni-Life 100 CPAP

# PRODUCT SPECIFICATIONS SHEET

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**Uni-Life 100** system is a Continuous Positive Airway Pressure [CPAP] system capable of providing an adjustable FiO<sub>2</sub> enriched oxygen gas mix delivery to a patient via a treatment hood for use in pre-intubation treatment of patients during the COVID-19 pandemic.

### The system offers:

- ease of operation
- compact modular concept
- easy set-up
- simplicity in maintenance
- robust support
- hood and viral filter design that limits patient to health worker contamination



### Uni-Life 100 Classification:

According to South African Health Products Regulatory Authority (SAHPRA)

- Class C Equipment
- According to Classification Rule 11 for medical devices

### Oxygen Treatment Hood Classification:

FDA (K011592) approved; CE (140315) approved

According to South African Health Products Regulatory Authority (SAHPRA)

- Class B Equipment
- According to Classification Rule 2 for medical devices

### Specifications:

- Inlet air supply: Medical air 60lpm at 3-5 bar
- Inlet oxygen supply: Medical oxygen air 60lpm at 3-5 bar
- Gas blender supply: 50 to 70 lpm at 30 to 90% FiO<sub>2</sub>  
40 and 80lpm at 40 to 80 % FiO<sub>2</sub>
- Hood pressure range: 5 to 20cm H<sub>2</sub>O

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### Uni-Life 100 Operation:

Uni-Life 100 utilises CPAP architecture, incorporating a compact gas blending and supply system which provides a therapeutic mixture of air and oxygen, adjusted to a patient's requirements. The system comprises a pole mounted gas blending unit and a transparent vinyl hood, with silicon neck seal, which is placed over the patient's head. The hood makes it possible to comfortably administer an oxygen enriched gas mixture to the patient at elevated pressures and so increasing oxygen absorption by the patient. Patient hood pressure is easily monitored and adjusted at the hood fittings and an anti-asphyxiation valve is incorporated to prevent patient asphyxiation in case of gas supply failure.



The design of the Air-Oxygen gas blender unit incorporates two easily adjusted air and oxygen flowmeters. The required FiO<sub>2</sub>% (Oxygen %) is easily set by adjusting the two flowmeters to a Flow Meter Settings Card provided. The system facilitates stoppages in treatment with the provision of a hood supply isolation valve and the top of the hood is easily detached and removed without needing to remove the neck seal and neck ring.

In hospitals or field hospitals, the product is designed to integrate to standard SANS1409 air and oxygen wall plug sockets or through regulated breathing air and oxygen supplies. No electrical power is required as the optional oxygen analyser is battery powered.

The system is supplied with 2m antistatic medical air and oxygen gas supply hoses and the Gas blending unit supplies the patient hood via 6ft supply hose.