

*saros*TM

MODEL 4000

PORTABLE OXYGEN CONCENTRATOR

CAIRE[®]
Nitera Group



SPECIFICALLY DESIGNED FOR THE MILITARY

PROVEN CLINICAL EFFECTIVENESS



Up to 3000 ml per minute with proprietary clinical features including autoSAT®; Body, Temperature and Pressure (BTP) flow compensation and Adjustable Pulse Sensitivity to ensure your patients get the oxygen they need when they need it.

ROBUST & RELIABLE



Designed for the unique needs of the military to store and operate in extreme temperatures and harsh conditions (sand, dust, etc.). RTCA DO-160G Compliant.

STATE-OF-THE-ART TECHNOLOGY



Utilizes Vacuum Pressure Swing Adsorption (VPSA), the most efficient way to desorb nitrogen from sieve material while delivering the highest purity of oxygen. VPSA ensures each sieve bed is perfectly rejuvenated every cycle for improved life of the device.



SAROS Model 4000 Specifications

CLINICAL SPECIFICATIONS

- **Continuous Flow:** 1, 2, 3 LPM
- **Pulse Flow:** 16, 32, 48, 64, 80, 96 ml bolus
- **Oxygen Concentration:** 93% +/- 3% for all flow settings
- **Sound Level:** <59 dB(A) at 3LPM
- **autoSAT Technology:** Servo-control to maintain consistent SpO2 (oxygen saturation)
- **Pulse trigger sensitivity adjustment:** Adjustable settings (1-most sensitive to 3-least sensitive)
- **Trigger Sensitivity:** 0.15 – 0.45 cm H2O
- **autoDOSE:** switches to Continuous Mode if no inspiration has been detected for 60 seconds with an audible alarm

SAFETY SPECIFICATIONS

- **Maximum System Pressure:** 15 psig (103 kPa)
- **Oxygen Output Pressure:** 4.0 psig (27 kPa) nominal
- **Ambient Pressure Range:** 506 hPa to 1060 hPa or (-1253 ft [-381m] to 18000 ft [5486m])

GENERAL

- **Dimensions:** 68.1 cm long x 11.1 cm diameter with battery / 59.1 cm long x 11.1 cm diameter without battery
- **Weight:** 5.56 kg with battery, 4.54 kg without battery

ENVIRONMENTAL

- **Operating Voltages:**
 - **AC Power Supply**
 - **Input Voltage:** 100- 240 VAC, 50 – 60 Hz, 115V at 400Hz
 - **Input Current:** 2.5- 1.3A
 - **Output Voltage:** 24 VDC
 - **Output Power:** 200 W
 - **24 VDC Cable**
 - **Input Voltage:** 20 – 28 VDC; 24VDC (Nominal)
 - **Input Current:** 10 A
- **Battery Life:**
 - 45 minutes at 2LPM Continuous Flow
 - 1.1 hours at 32ML Pulse Flow
- **Operating Environment:**
 - **Temperature:** 32° F to 109° F (0° to 43° C)
 - **Humidity:** 10% to 90%, Non-condensing, 82.4°F (28°C) Maximum Dew point
- **Storage Environment:**
 - **Temperature:** -4° F to 140° F (-20° to 60° C)
 - **Humidity:** Up to 95% Non-condensing
- **Transient Environmental Operating Conditions**
 - **Temperature:** 32° F to 109° F (0° to 43° C)
 - **Humidity:** Up to 90% Non-condensing
- **Altitude:** (-1253 ft [-381m] to 18000 ft [5486m])
- **Tactical Mode:** Enable and disable audible alarms and LED indicators during use