



Solis Prime



BRAILE

LIFE-**SAVING** TECHNOLOGIES

The Solis Prime provides cardiac and/or pulmonary support through extracorporeal circulation with easy usability and practicality. It integrates a centrifugal pump, heating system, and built-in battery into a single device.



Indication

The SOLIS PRIME is indicated to provide extracorporeal blood circulation and maintain body temperature when used in conjunction with the disposables supplied by Braille for extracorporeal membrane circulation procedures. It may be used in therapies for pulmonary and/or cardiac insufficiency, as well as in cardiac surgery procedures. The indication for treatment must always be evaluated by the medical team responsible for the patient.



External touchscreen monitor for full equipment control

More versatility for the user



Easy transportation



Maximum motor speed of 5000 RPM

Ultrasonic Flow Measurement System

Solis Prime incorporates ultrasonic flow measurement technology. Based on the ultrasonic transit-time principle, the system provides non-invasive flow measurement, ensuring high accuracy and reliability throughout the procedure.



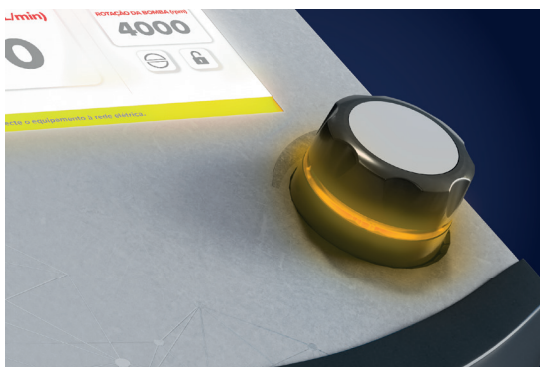
Intelligent Alarms

The Solis Prime features an intelligent alarm system with audible and visual signals, as well as on-screen messages that quickly identify each event, enabling a faster and safer response.



Blue Alarm

Low priority. The button remains illuminated in blue, and the audible signal is emitted at longer intervals.



Yellow Alarm

Medium priority. The button flashes yellow, and the audible signal is emitted at intermediate intervals.



Red Alarm

High priority. The button flashes red, and the audible signal is emitted at shorter intervals.

The alarm prioritization logic was developed in collaboration with perfusionists, taking into account the needs and challenges of clinical practice. This approach facilitates the identification of the most critical events, contributing to more intuitive and safer operation.

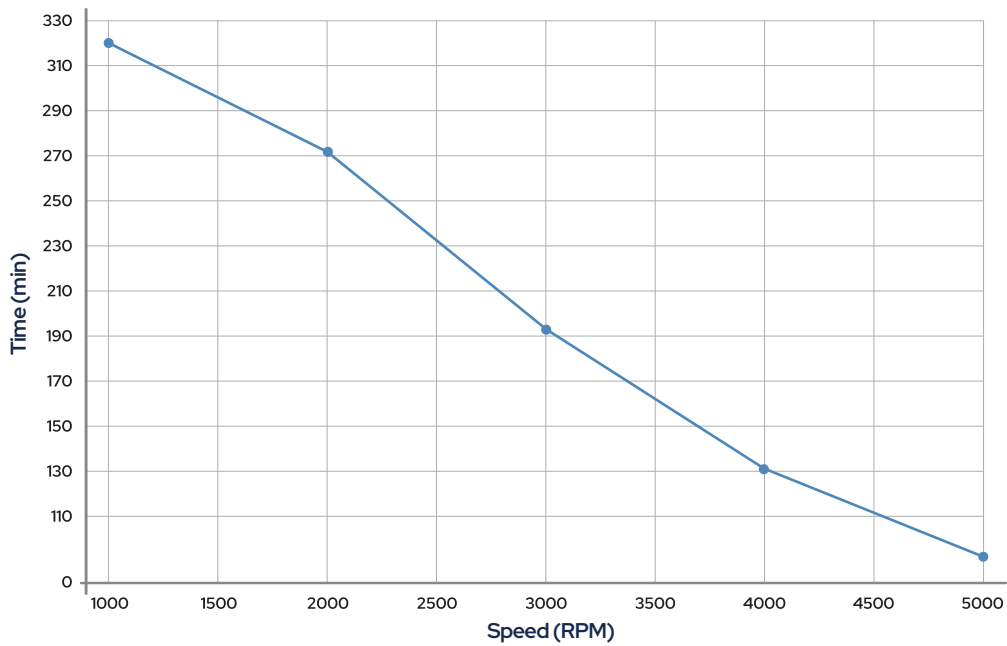
Greater safety for the operator and enhanced protection for the patient.

Integrated Battery System for Enhanced Operational Safety

Designed to ensure operational continuity, the integrated battery system keeps the equipment running during power interruptions, with operating time depending on usage conditions.



Battery System Runtime



Battery Status Indicator		
Battery Percentage (%)	Connected to AC Power	Disconnected from AC Power
100 ~ 84		
83 ~ 67		
66 ~ 50		
49 ~ 34		
33 ~ 17		
16 ~ 0		

Battery Integrated into the Module

A more compact, practical, and ready-to-use solution.

2 × 12 V / 7 Ah Batteries

Battery runtime: 70 minutes

Technical Specifications

Parameter	Specification
Power Supply	220 Vac; 50/60 Hz
Minimum Battery Runtime • Accuracy	70 minutes ± 10 minutes
Input Power (without heating)	100 VA
Input Power (with heating)	1100 VA
Battery (Voltage, Capacity)	12 V – 7 Ah
Motor Speed • Speed Display Resolution • Accuracy"	0 to 5000 min ⁻¹ (RPM) 10 min ⁻¹ (RPM) ± 20 min ⁻¹ (RPM)
Pump Flow Rate • Accuracy • Flow Sensor Resolution"	0.00 to 10.00 L/min (3/8" tubing) 0.2 L/min 0.1 L/min
Flow Sensor Type	Ultrasonic, Clamp-on 3/8" tubing
Reservoir Temperature Range • Temperature Adjustment Resolution • Accuracy"	35 °C to 40 °C 0.1 °C ± 0.1 °C"
Timer (Numeric Display) • Accuracy"	Hour / Minute / Second ± 0.1 seconds"
Console Dimensions	0.48 × 0.18 × 0.42 m (max.)
Rack Dimensions	0.72 × 0.53 × 1.90 m (max.)
Cart Dimensions	0.62 × 0.36 × 0.39 m
Console Weight	15.5 kg (± 2.0)
Cart Weight	6.5 kg (± 2.0)
Rack Weight	16.0 kg (± 2.0)
Accessories Weight	5.0 kg (± 2.0)
Cart + Console + Accessories Assembly Weight	27.0 kg (± 2.0)
Rack + Console + Accessories Assembly Weight	36.5 kg (± 2.0)
High-Priority Alarm Sound Level	74.2 dB (± 2.0)
Medium-Priority Alarm Sound Level	67.6 dB (± 2.0)
Low-Priority Alarm Sound Level	61.2 dB (± 2.0)

SOLIS PRIME (618974) is supplied with:	Code
Central Console	–
Detachable External Touchscreen Display	–
Manual Emergency Drive	–
Modular Rack or Equipment Cart	631604 or 631606
Monitor Mounting Clamp	–
Tubing Management Clamp	–
Instructions for Use (IFU)	–

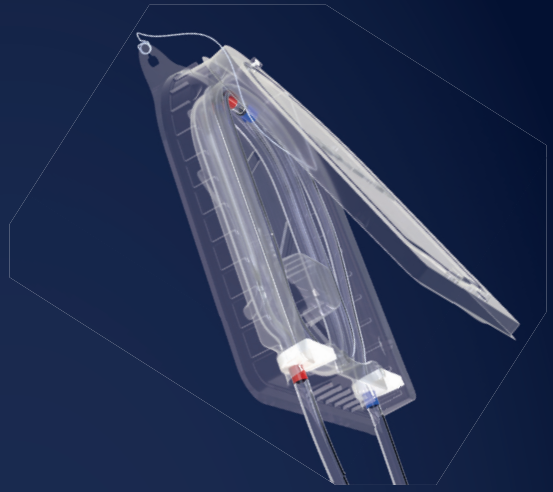


Related Products



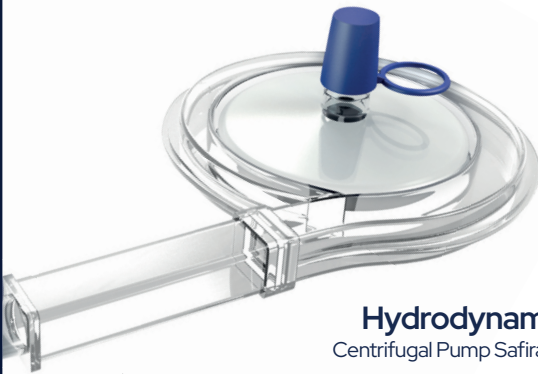
Oxyprime ECMO with BRCoating®

ANVISA nº 10159030111



ECMO Tubing Set with BRCoating®

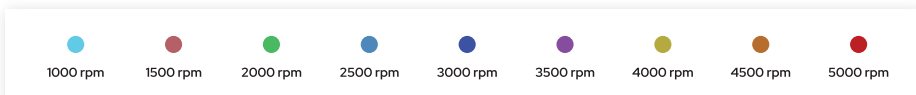
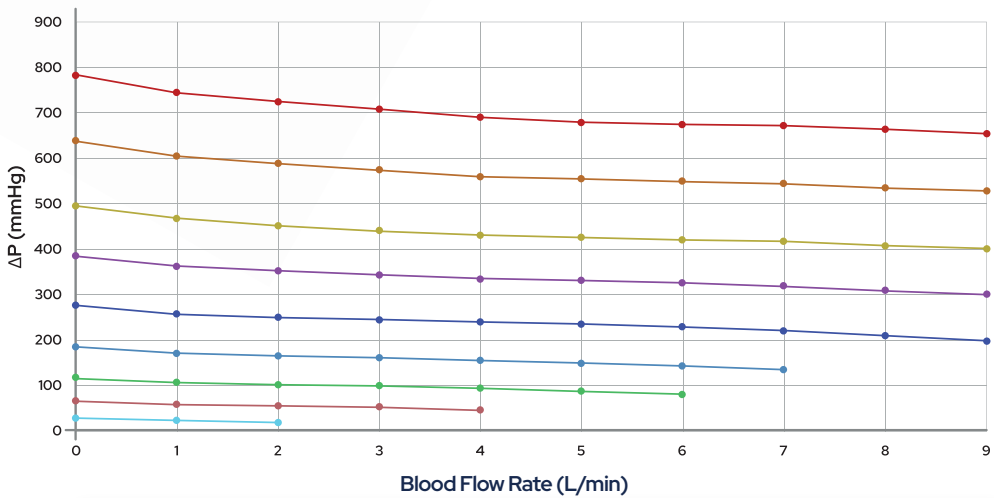
ANVISA nº 10159039001



Centrifugal Pump Safira Centriflux® with BRCoating®

ANVISA nº 10159039003

Hydrodynamic Performance Centrifugal Pump Safira Centriflux with BRCoating®



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