





The most **gentle**, **safe** and **versatile** solution for ECMO (Extracorporeal Membrane Oxygenation) and ECLS (Extracorporeal Life Support) enabling all healthcare professionals to easily manage any situation in different environments



Features state of the art technology for optimal biocompatibility



SAFE
Designed for optimal patient safety



VERSATILE

Portable and flexible

to address a variety

to address a variety of different practices

Magnetic levitating pump technology for **minimized hemolysis**

Phosphorylcholine coated circuit for **reduced platelets consumption**

Up to 14 days disposable validation for **long term procedures**

Non invasive sensoring system for **optimal patient monitoring**

Integrated back-up system **for extra safety** in case of failure

Auxiliary external battery for **extra procedural time** in case of emergency

Compact design for **easy transport**

Optimized circuits for ECMO and ECLS

Unique transport options

to address every therapeutic need across different hospital facilities

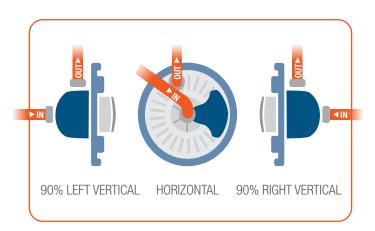




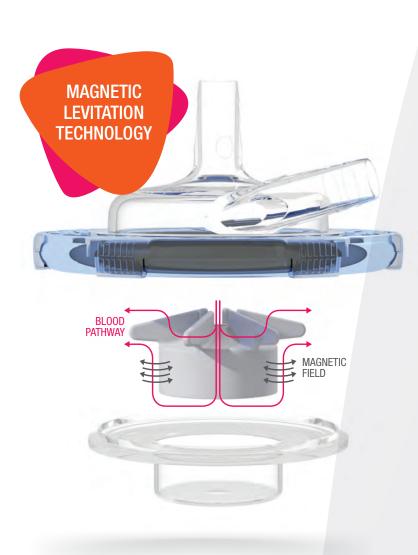
MAGNETIC LEVITATING PUMP TECHNOLOGY FOR MINIMIZED HEMOLYSIS¹

The impeller's contact-free environment ensures:

- Optimal flow dynamics
- Reduced blood stagnation areas
- Minimal friction and shear stress



Condello et al. Magnetic levitation pump versus constrained vortex pump: a pilot study on the hemolysis effect during minimal invasive extracorporeal circulation, Journal of Cardiothoracic Surgery, 2021



Precise rotor control and stability is guaranteed by 32,000 controls every second.

The magnetic field is automatically adjusted to compensate for external movements and bumps.



Technical Features

Limitations

Blood flow range: 0-10 l/min
Centrifugal pump speed: 0-5000 rpm
Blood pathway volume: 39 ml

Max blood pathway pressure 800 mmHg (107 kPa)

Patient weight: ≥20 kg

Ports

Blood inlet: 3/8" (9.53 mm)
Blood outlet: 3/8" (9.53 mm)

Pdrain pressure monitoring port

(on dedicated configuration only): Female Luer Lock ISO 594-2

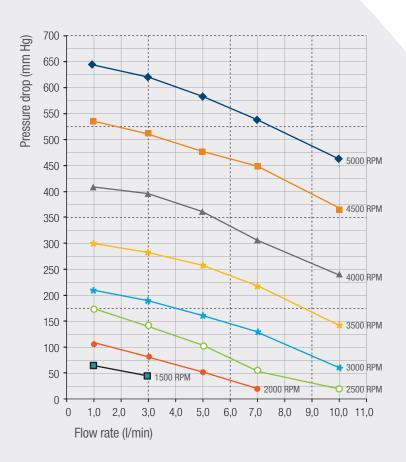
Materials in contact with blood

Housing: Polycarbonate (PC)
Rotor: Polycarbonate (PC)
Luer cap: Polyethylene (PE)
Biocompatible coating: Phosphorylcholine (PC)

Hydraulic performance data: PERFORMANCE GRAPH

Pressure differential vs. flow rate (average of TIME 0 samples data). Data gathered from test in accordance with ISO 18242 standard. Conditions: Anticoagulated Bovine Blood, Hb = 12 ± 1 g/dL, Temp. $37\pm1^{\circ}$ C.

PERFORMANCE GRAPH



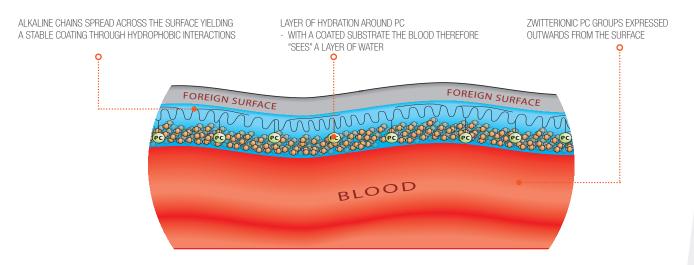


PHOSPHORYLCHOLINE COATED CIRCUIT FOR REDUCED PLATELETS CONSUMPTION

Phosphorylcoline is the predominant lipid headgroup found within the outer layer of cell membranes.

Phosphorylcoline has a natural affinity for water and binds water tightly around itself.

- Reduces platelet consumption remarkably.¹
- Phosphorylcoline coating is suitable for patients with acute HIT (Heparine Induced Thrombocytopenia)².



REFERENCES

1. R. Lorusso et al. Effects of phosphorylcholine coating on extracorporeal circulation management and postoperative outcome: a double-blind randomized study. Interactive CardioVascular and Thoracic Surgery 8 (2009) 7–11.

2. F. Pappalardo et al. Bioline® heparin-coated ECMO with bivalirudin anticoagulation in a patient with acute heparin-induced thrombocytopenia: the immune reaction appeared to continue unabated. Perfusion 2009: 24: 135–137

UP TO 14 DAYS DISPOSABLE VALIDATION FOR LONG TERM PROCEDURES





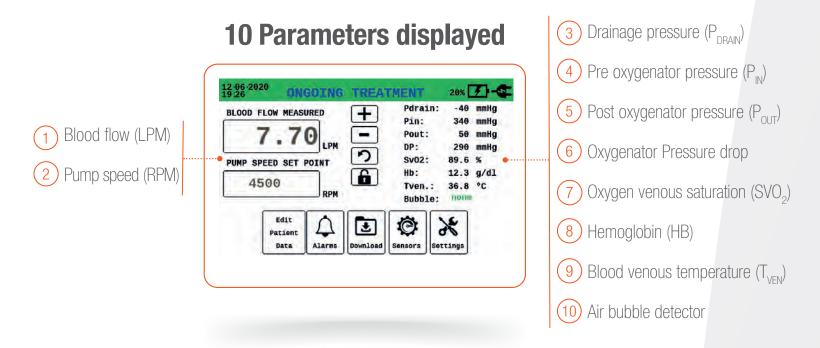


SAFE
Designed for optimal patient safety



NON INVASIVE SENSORING SYSTEM FOR OPTIMAL PATIENT MONITORING

The ECMOLIFE system is equipped with 5 non invasive sensors ensuring continuous monitoring of 10 parameters displayed simultaneously and in real time, providing the operator with **full control of the procedure**.

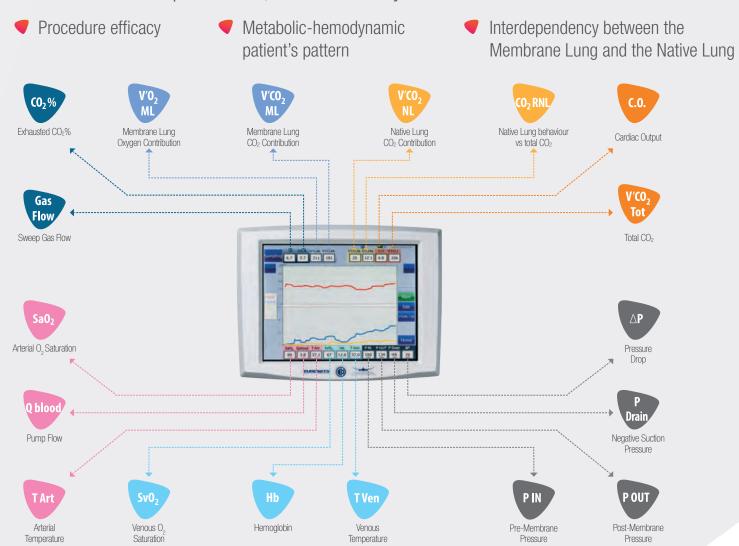






ECMOLife circuit can be connected to the LANDING ECMO adding an additional cuvette along the arterial line.

LANDING ECMO displays 18 parameters in real time for optimal patient monitoring. Thanks to these 18 parameters, HCPs can easily evaluate:





√

INTEGRATED BACK UP SYSTEM FOR EXTRA SAFETY IN CASE OF FAILURE

The ECMOLIFE Pump is the only device available on the market with an integrated back-up system that acts as a perfectly functioning replacement in case of failure, ensuring increased patient safety.

 Compared to standard manual hand cranks, the integrated back-up system ensures superior comfort for HCPs.

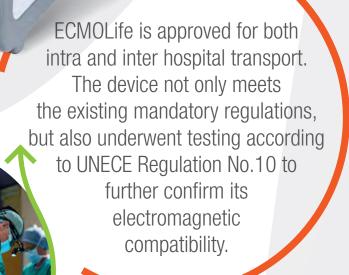
AUXILIARY EXTERNAL BATTERY FOR EXTRA PROCEDURAL TIME IN CASE OF EMERGENCY







COMPACT DESIGN FOR EASY TRANSPORT



OPTIMIZED CIRCUITS FOR EITHER ECMO OR MCS

The circuits for ECMO and ECLS come completely pre-connected and assembled in a kit.

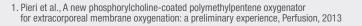
Oxygenator and pump are located on a dedicated bracket assuring:

- Easy and quick disposable set up
- Clear view of circuits integrity



Dedicated ECMO Oxygenator Module

The ECMO adult oxygenator is clinically proven to be an efficient, highly biocompatible, solution for prolonged cardio-respiratory support¹.









UNIQUE TRANSPORT OPTIONS TO ADDRESS EVERY THERAPEUTIC NEED ACROSS DIFFERENT HOSPITAL FACILITIES

The Proprietary **Leonardo Trolley**, available in **two different configurations**, is designed as a stable and compact workstation for ECMOLife.



• Leonardo Trolley features
the unique possibility that part of the
trolley can be used as accessory
shelf adaptable to any stretchers.

• Leonardo Slim is characterized by a minimized footprint and a unique and patented design that allow ECMOLife operations also very narrow environments.





Intra-hospital Transport









FOIL is the only device in the market that is **certified and validated to carry ECLS devices on a stretcher** between the patient's legs.

- ▼ High-quality carbon-fiber design for minimized weight
- Ergonomic tailored wings that increase comfort for patients and operators
- Can be safely attached to any stretcher
- Ensures convenient positioning of ECMOLife during any type of transports





ECMO Transport



ORDERING GUIDE

CODE	DESCRIPTION	N°/PACK
EU5086	ECMOLIFE SYSTEM	1
includes:	Console	1 A
	Motor driver	2 B
	Clamp on transducer sct 3/8" x 3/32"	2 ©
	Air sensor 3/8" x 3/32" ecls	1 D
	Bracket	1 E
	Venous probe	1 F
	ECMOLife pressure sensor cable	3 G
	Logical pressure transducer	3 H
	Holder for reusable pressure transducer	3 ①
	ECMOLife power cord EU	2
	3 to 1 SM Holder Plate	1
EU5093	LEONARDO Trolley	1
includes:	ECMOLIFE Cable Holder	1 (L)
	REOMED 1000 isolating trans-formers 1000VA	1
	REOMED Plug C13-C14	2
EU5094	LEONARDO Slim	1
includes:	ECMOLife Cable Holder	1 L
	REOMED 1000 isolating trans-formers 1000VA	1
	REOMED Plug C13-14	2

- Product not manufactured by EUROSETS S.r.I.
- Products in bold are manufactured and certified by Eurosets S.r.l.
- ECMOLife System, ECMOLife Heater Cooler and Single-use codes are CE₀₁₂₃ Certified

























CODE	DESCRIPTION		N°/P
R229P01-010	MAX BLEND 0-15 LPM	~	1
R100P26	Bracket, Pole mount, gas blender	209	1
R129P91	Air Tube	2 0000	1
R129P94	Oxygen Tube		1
R219P31	3 in 1 single pack (connector gas outlet)	ille 🖁 E	1
EU3941	ECMOLIFE HEATER COOLER	8-6	1
Santodan		10 -	
includes:	HC Unit	O ICOMOT	_1
	Power Supply Cables	NA O	1
	Hoses 1,5m	0.0	2
	Hanses connection tube		1
	Water Discharge Hose (Female)		1
EU3943	Hoses 3m		2
EU3898	ECMOLIFE Ambulance Plate holder		1
EU3996	FOIL Transport System		1
EU3898	ECMOLIFE Ambulance 24V Power		1
WX 263	3 to 1 SM Holder Plate		1
EU10775	ECMOLIFE Power Cord GB		1
EU10996	ECMOLIFE Power Cord BR		1
2M85274	Holder with BAR 25x10 mm		1
EU3899	ECMOLIFE Auxiliary batteries Kit with transport bag		1
EU2511	ECMOLIFE		1

SINGLE USE		
CODE	DESCRIPTION	N°/PACK
14AG70232	ECMOLIFE ECMO tubing set Includes: Oxy, pump, circuit, press. Transducers Metallux 3 to1	1
14AG70232/SM	ECMOLIFE ECMO tubing set Includes: Oxy, pump, circuit, press. Transducers Smith Medical	1
14AG70231	ECMOLIFE VAS tubing set Includes pump, circuit, press. Transducers Smith Medical	1
AG70232/PP	ECMOLife 6 hrs Tubing Set PP Oxy, pump, circuit, press. Transducers Smith Medical	1
EU5083	ECMO ADULT console Sterile (Stand alone ECMO Oxy)	2
AG5078	ECMOLIFE centrifugal pump (without luer port)	1
EU1589	Smith Medical single use pressure transducer	1 🐟



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