

Cardiopulmonary Bypass Machine BEC



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BIOMÉDICA

Pump Module. Microprocessed Electronic Circuitry Central occlusion adjustment of the rollers with mechanic microcalibration. Silent. Dashboard in polycarbonate with display for RPM, L/min and L/min/m and another for visualization of inlet of patient's body surface. Selection of 1/4", 3/8" and 1/2"-tubes for correct information of flows. Speed control of rollers by means of multi-turn button.

Water Circulator Module and Battery Module Coupled to Base Module: Display for actual temperature of water, another for adjustment of value of water temperature wished and also a third one for monitoring the battery voltage. With battery module for instantaneous switching of pump modules for use in case of electric power shortage in the electricity grid. Built-in charger and current inverter for PL 9W light bulb for illuminating the oxygenator, even in case of electric power shortage in the electricity grid. Water circulator with digital electronic circuitry of temperature control.



Back view of base module

Dashboard of pump module

Pump module with central occlusion adjustment and detector of protective lid closure. "Omega" profile, lower hemolysis

Dashboard of Water/Battery Circulator Module

Back panel of pump module, with protective circuit-breaker and digital hourmeter for planning the preventive maintenance.

PL 9W light bulb for illumination of the oxygenator built in the base module

Electric panel of the base/module/battery water circulator built in

Technical Specificatins

**Base Module
Water Circulator /
Battery**

Electricity Grid Supply
220V~ 50/60Hz

Consumption
2300W

Battery Supply
24 V - 40 A/h

Temperature Range
0°C to 40°C
continuous adjustment

Protective Temperature
43°C

Water Pump Flow
22 l/min

Cold/Warm Water
Manual Valve

Capacity of Reservoir
4 liters

Light Fixture
24V - 9W
(PL - DULUX S/E 2G7)

Dimensions:
Length 900 mm
Width 600 mm
Height (rod) 2300 mm
Weight 207 kg

Pump Module

Power Supply
220V~ 50/60Hz
(through Base Module)

Consumption
180W

Speed
0 to 200 rpm

Flow
0.0 to 9.00 l/min. (maximum)
(1/2" tube)
0.0 to 5.60 l/min. (maximum)
(3/8" tube)
0.0 to 2.56 l/min. (maximum)
(1/4" tube)

Body Surface
0.10 to 3,00 m²

Dimensions:
Length 400 mm
Width 180 mm
Height (rod) 400 mm
Weight 21.5 Kg

Certification BRTUV

Standard Specification
NBR IEC60601-1: 2010
CISPR 11 . IEC 61000-4-2
IEC 61000-4-3 . IEC 61000-4-4
IEC 61000-4-5 . IEC 61000-4-6
IEC 61000-4-11

Inventory Code
117900
**Cardiopulmonary
Bypass Machine BEC**



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