# Cardiopulmonary Bypass Machine BEC





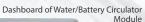
Water Circulator Module and Battery Module Coupled to Base Module: Display for actual temperature of water, another for adjustment of value of water temperature wished and also a third one for monitoring the battery voltage. With battery module for instantaneous switching of pump modules for use in case 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  $shortage in the \, electricity \, grid. \, Water \, circulator \, with \, digital \, electronic \, circuitry \, of \, temperature \, control. \,$ 







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





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







#### **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

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

Height (rod) 2300 mm

Width 600 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** 

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

0.10 to 3,00 m<sup>2</sup>

## 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** 

9W light bulb for illumination

of the oxygenator built in the

Electric panel of the base,

ппп

module/battery water

circulator built in

base module

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