



CAPITAL MEDICAL EQUIPMENTS SALES & SERVICES

MediworldIndia

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+91 98900 67867 or +91 8668334988

Maquet Jostra HL 20 Heart Lung Machine

Features

The perfusion system is reliable, flexible and adaptable. It combines the complex technology needed for cardiopulmonary surgery with clear and concise handling necessary for safe and effective patient management.

The peristaltic roller pumps run quietly and smoothly on low-voltage power supplied by the console. All controls and monitors are managed from a single panel for the ultimate in user-friendly operation.

- Complete four pump system
- Pressure and temperature monitoring system
- Air emboli protection system
- Cardioplegia monitor unit
- A flat screen display provides graphical and functional status information at a glance; all supervisory and warning functions are on one panel
- One knob adjusts all settings except the pump speed
- The pump function is dedicated by name, not by location, and the assigned function of the pump is displayed on its front panel
- In a power failure, a fully automatic battery backup system will be engaged and run the entire system for the time sufficient to finish most surgical procedures
- All pumps and modules operate on 24 Volt power for increased patient and operator safety
- All electrical connections are inside HL 20; there are no protruding or interfering cables to be broken, tangled or inadvertently unplugged



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Specifications

Console Technical Data

- Protective class 1, Safety type B IP64 Batteries 2 x 12 V, 30 Ah maintenance free type

Supply voltage

100 – 115 VAC

- Max supply current 16A
- Main fuses 16A

220 – 240 VAC

- Max supply current 7A
- Main fuses 7A

24 V DC internal low voltage system

- Pump fuses 16A
- Halogen spotlight fuses 3A
- Max run- time on battery backup system 5 1.5h

Dimensions

Four Pump Console

- Dimensions (W x D x H) 855 x 600 x 1485mm
- Max height 2600mm
- Console base height 403mm
- Height to pump inserts 615mm
- Weight 80kg

Five Pump Console

- Dimensions (W x D x H) 1036 x 600 x 1485mm
- Max height 2600mm
- Console base height 403mm
- Height to pump inserts 615mm
- Weight 96kg



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Roller Pump Technical Data

Roller pump module

- Protective class 1, Safety B IP64
- Supply voltage 24 V DC
- Maximum supply current 15A
- Master speed, forward and reverse 0 – 250 RPM
- Slave speed, forward and reverse $\pm 20\%$ of master pump speed or maximum 275 RPM
- Cardioplegia slave speed (mix ratio) 0 – 102 % of cardioplegia master speed
- Speed accuracy ± 0.5 RPM
- Resolution 1 RPM
- Flow rates: 1/2" 0 -10.0 LPM 3/8" 0 – 6.6 LPM 1/4" 0 – 3.2 LPM
- Resolution of flow display 0.01 LPM
- Max tubing size 5/8" x 3/32"
- Dimensions L x W x H 179 x 373 x 267mm
- Weight 17.8 kg

Twin pump module

- Protective class 1, Safety B IP64
- Supply voltage 24 V DC
- Maximum supply current 16A (Both Pumps)
- Master speed, forward and reverse 0 – 250 RPM
- Slave speed, forward and reverse $\pm 20\%$ of master pump speed or maximum 275 RPM
- Speed accuracy ± 0.5 RPM
- Resolution 1 RPM
- Flow rates: 1/4" 0 – 1.5 LPM
- Resolution of flow display 0.01 LPM
- Max tubing size 1/4" x 3/32"
- Dimensions L x W x H 179 x 373 x 278mm
- Weight 13.7 kg



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