

Heart-Lung Machine Maquet Jostra HL 20 Perfusion System



Formerly referred to as the Jostra HL 20 the **Maquet HL 20** or Heart-Lung Machine HL 20 (HLM HL 20) perfusion system is reliable, flexible, and adaptable. It incorporates the technology needed for cardiopulmonary surgery. It has peristaltic roller pumps that run smoothly and quietly. In the event of power failure, the Maquet HL 20 has a fully automatic battery backup system that will allow for most surgical procedures to be completed.

Features

- Integrated remote control for the HCU 20 heater/cooler in the SCP.
- Console is constructed of stainless steel and easily maneuvered by a side guard and 4 stable wheels.
- Peristaltic roller pumps offer precision, durability, versatility and convenience in handling.
- Accurate measurements of up to 4 pressures, 4 temperatures, and 2 emboli safety protection systems.
- Optional cardioplegia monitoring unit that displays volumes, ratios, timers, temperatures, and pressures for full control of cardioplegia delivery.



Specifications

2-Pump Console Dimensions **Height:** 58" (148.5 cm)
Width: 19" (49.3 cm)
Depth: 24" (60 cm)
Weight: 110 lbs (50 kg)

4-Pump Console Dimensions **Height:** 58" (148.5 cm)
Width: 34" (85.5 cm)
Depth: 24" (60 cm)
Weight: 176 lbs (80 kg)

5-Pump Console Dimensions **Height:** 58" (148.5 cm)
Width: 41" (103.6 cm)
Depth: 24" (60 cm)
Weight: 211 lbs (96 kg)

Pump Specifications **Protective Class:** Class 1 IEC 601-1 and VDE 0750
Safety: Type B
Voltage: +24B
Maximum Supply Current: 16 Amp at 24 V
Forward or Reverse Speed: 0-250 RPM
Slave Speed, Single Pump: 80-120% of master
Single Pump Weight: 40 lbs (18 kg)
Cardioplegia Slave Speed, Twin Pump: 0.1% to 102% of master
Dual Pump Weight: 31 lbs (14 kg)
RPM Display Precision: ±RPM
RPM Display Resolution: 1 RPM

Single Pump Flow Rates **1/2" Tubing:** 0-10 LPM
3/8" Tubing: 0-6.6 LPM
1/4" Tubing: 0-3.2 LPM

Dual Pump Flow Rates **1/4" Tubing:** 0-1.5 LPM

Accuracy of LPM Display **1/2" Tubing:** ±0.15 LPM
3/8" Tubing: ±0.15 LPM
1/4" Tubing: ±0.018 LPM

Resolution of LPM Display **1/2" Tubing:** 0.1 LPM
3/8" Tubing: 0.1 LPM
1/4" Tubing: 0.01 LPM

