



MAQUET introduces the Heater-Cooler Unit HCU 30, a completely new design concept developed to meet the needs of tomorrow. The Heater-Cooler Unit HCU 30 is the most advanced two-circuit heater-cooler system available today. The system facilitates quick and independent regulation of both patient (arterial heat exchanger and blankets) and cardioplegia temperature.

- Modern Exterior Design - The HCU 30 has an elegant and easy to clean Polyurethane top cover and a user-friendly full graphic display. It is revolutionary in design and simplicity.
- Extremely High Cooling Capacity - The HCU 30 offers exceptional cooling capacity through its fast ice building technique and powerful compressor. The ice accumulates an initial cooling effect almost three times as high as the classic heater-cooler systems, resulting in reduced patient cooling times. This method also allows the machine to be operated in most cases without a running compressor, eliminating disturbing noise and draught from the compressor and the fan. Moreover, ice can easily be added for rapid extra cooling in an emergency situation.
- Effective Heating - The large capacity heater incorporates smooth and precise electronic control. This technique optimizes the efficiency and minimizes patient re-warming time. The automatically controlled mixing valve enables very fast switching from cooling to heating and back to cooling again.
- Unique Pressure and Flow Control - The machine also features a unique pressure and flow control. The maximum outlet pressure can be set to avoid damaging external devices. The perfusionist has the possibility to adjust the flow directly from the display. Reducing the flow provides a more silent operation.
- Fast priming and automatic de-airing - Key features include effective fast priming and automatic de-airing. A smart interior design allows air to be dispelled from the external and internal circulation very effectively, resulting in extremely short set-up times and smoothly running pumps.



Specifications

Dimensions

Height: 32 in (81.3 cm)
Width: 22in (55.9 cm)
Depth: 22 in (55.9 cm)
Weight: 198lbs (89.8 kg)

Reservoir Capacity

Cool: 8 qts. (7.6 liters)
Heat: 6 its (5.7 liters)
Reservoir Fluid: Use only sterile water or water that has been passed through a filter of less than or equal to 0.22 microns.
Reservoir Opening: Easy-to-Fill
Reservoir Construction: Plastic

Flow Rate

13 Liters/Minute through self-sealing Hansen Fittings
15 Liters/Minute with flow through Hansen Fittings

Connections

12.5 PSI - Blanket Connection Quick Disconnect Fittings
1 Set ½" Hansen Fittings for Heat Exchanger
1 Set 1/8" Hansen Fittings for Blanket
1 Set ¼" Hansen Fittings for draining (on unit)
1 Additional set ½" Hansen Fittings included for tubing

Electrical Characteristics

(std) 115V, 60Hz, 16.9 amps
(opt) 100V, 50/60Hz, 20 amps
(opt) 230V, 50/60HZ, 10.9 amps
(opt) 240V, 50/60HZ, 10.5 amps

Outlet Required

115VAC units - 20 amps, AC grounded hospital grade plug
100VAC units - 20 amps, AC grounded with no plug
230VAC units - 15 amps, AC grounded with European plug
240VAC units - 15 amps, AC grounded with European plug

Current Leakage

Under 300 micro amps (100/115)
Under 500 microamps (230/240)