

Technowood®

HEART LUNG SYSTEM

COMPO III

Myocardial Protection System

CP4000NEO



ROLLER PUMP

- The pumps are modular and can be repositioned to best suit the operator's workflow.
- Operates on a direct drive system to enable the rollers to produce high torque even at low rpm and to reduce noise during operation.



HEATER-COOLER UNIT

- Temperature setting: 0-42°C
- Temperature resolution: 0.1°C
- Cooling performance: from 20°C to 1 °C within 30 minutes
- Warming performance: from 1°C to 36°C within 5 minutes
- Equipped with sensors to automatically stop operation when tank is empty or when abnormal temperature is detected.

SAFETY MODULES

- Equipped with a bubble sensor and a level sensor* to automatically control pump operation when abnormal status is detected. (*level sensor is optional)





PUMP CONTROLLER

The 8inch LCD screen, with its intuitive touch panel, improves operability and circuit visibility during infusion of the cardioplegia solution. Its enhanced customization function assures an easy, simple and safe cardioplegia delivery.

1 TIMER

- Timer can be set to monitor interval between infusion, infusion time or overtime from last infusion
- Timer automatically starts after set volume is reached

2 PRESSURE MONITOR

- Pressure reading is displayed in both digital and analog forms
- Pump operation is automatically controlled when pressure reading exceeds set pressure limits
- Pressure scale can be changed to the following ranges:

-320~480mmHg	-150~350mmHg	-50~450mmHg
-200~300mmHg	-100~400mmHg	

3 INFUSION VOLUME MONITOR

- Displays infused volume for each pump and total volume from both pumps
- Pump can be set to automatically stop once set volume is reached.
- Displays estimated time left until set volume is reached

CP-4000NEO Specifications

Pump Controller Unit	Pump Speed	0~250rpm
	Display (unit)	rpm and ml/min
	Infusion setting	1ml (unit)
		displays both dose volume and total volume delivered
		choose between displaying volume delivered or remaining amount to be delivered
		displays time until completion of dose volume
	Pressure monitor	-320~480mmHg; 2 channels *4 other ranges available
	Master-slave mode	Delivery method can be chosen from 3 options: variable blood/crystalloid/cardioplegia proportion. *For details, please check the instruction manual
	Temperature monitor	YSI-400 series compatible; 2 channels
	Timer	0~999 min. resolution: 1 minute
Bubble sensor	performance with bubble sensor (BS-1): 0.1 ml and above (tubing ID size: 4mm-10mm)	
Heater-Cooler Unit	Product Name	CP4000HH
	Controller	Detachable remote controller (CP4000HR)
	Settings	0~42°C resolution: 0.1°C
	Type	Compressor system cooler; Built-in heater
Pump	Roller pump	BP120cIII, BP75cIII BP120cIII × 2, BP75cIII × 2, BP120cIII + BP75cIII *For details, please checks separate catalog
Power Supply	Voltage	AC100 - 230V ; V50/60Hz
	Consumption	1450VA
Size	External dimensions	282 (w) x 600 (d) x 880 (h) *without mast
	Weight	80kg
Option	Pump extension cable	Length: 2.5m
	Level sensor	RGB light reflection detection method
	Transducer exchange adapter	

Please refer to the Instructions For Use for details. Terms and conditions may change without prior notice.

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