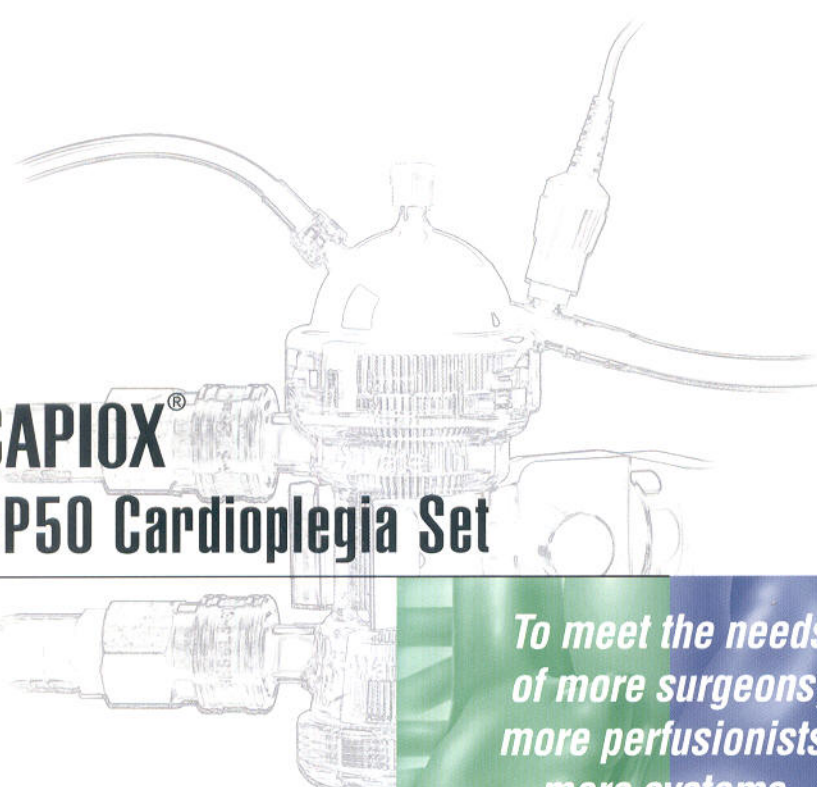


## More options for myocardial protection



**CAPIOX**<sup>®</sup>  
**CP50 Cardioplegia Set**

*To meet the needs  
of more surgeons,  
more perfusionists,  
more systems,  
and more hearts.*



**Sarns**<sup>™</sup>  
**MP-6 Cardioplegia  
Delivery System**



# CAPIOX<sup>®</sup> CP50 Cardioplegia Set

Using high performance CAPIOX heat exchange technology for myocardial protection

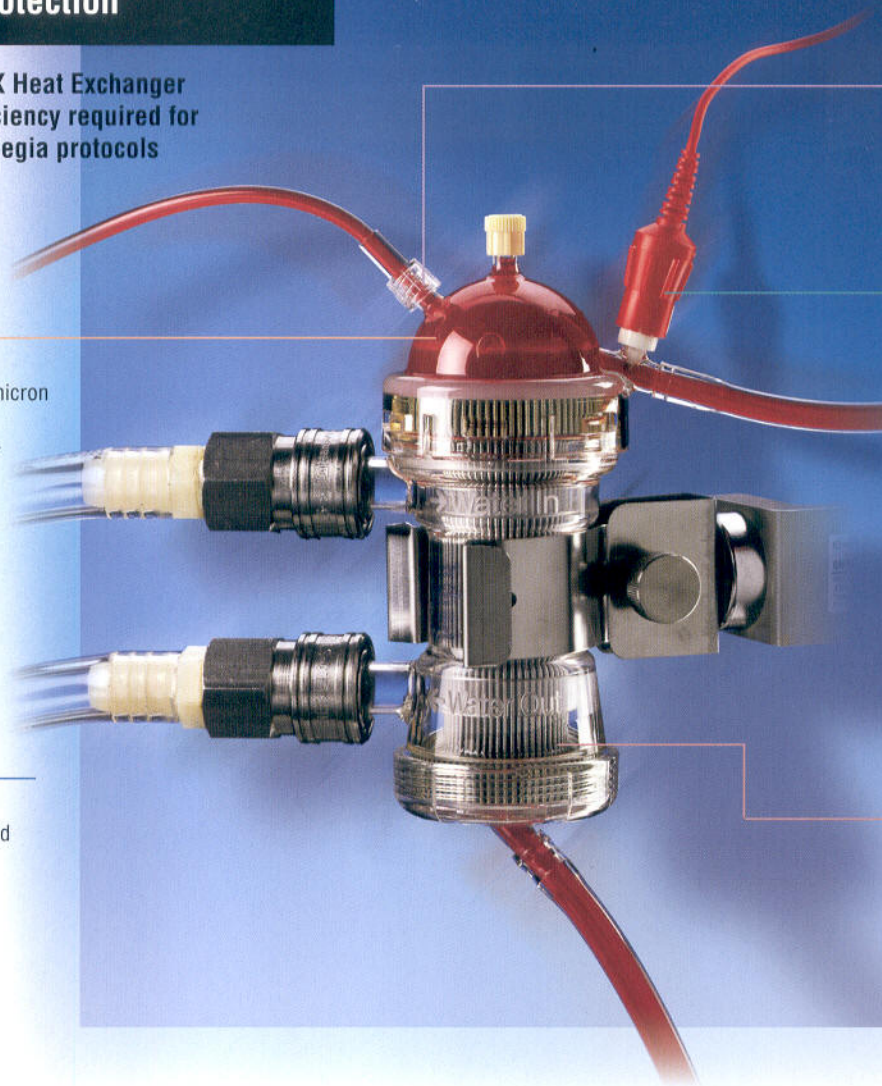
- Exclusive CAPIOX Heat Exchanger provides the efficiency required for complex cardioplegia protocols

## Integrated bubble trap

- Features vent port and 96 micron filter to facilitate the easy removal of accumulated air

## Easy to prime

- Straight, bottom-to-top fluid path allows quick and easy priming



## Pressure port

- Accepts pressure relief line and/or pressure monitoring gauge for additional safety

## Temperature probe

- Allows accurate and convenient temperature monitoring

## Efficient heat exchanger

- Allows for rapid temperature changes

## CAPIOX CP50 Cardioplegia Set

## Specifications

**Recommended Blood Flow Rate:** Up to 500 mL/min

### Priming Volume

(Heat Exchanger and Module only): 52 mL

### Maximum Operation Pressure

Blood Side: 500mmHg (67 kpa)  
Water Side: 29psi (2 ATM, 203 kpa)

### Heat Exchanger

Type: Stainless Steel  
Surface Area: 640 cm<sup>2</sup>  
Potting Material: Polyurethane

### Filter Screen

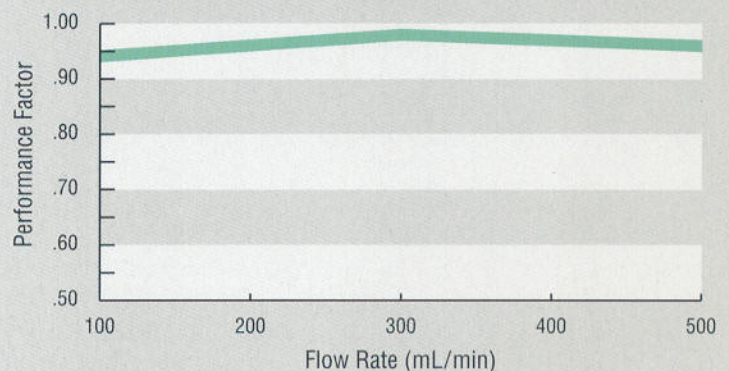
Material: Polyester  
Pore Size: 96 μm  
Support Material: Polypropylene

### Connections

Blood Inlet: 1/4"  
Blood Outlet: 3/16"  
Water Ports: Hansen Quick Connect Fitting

## Performance

CAPIOX CP50 Heat Exchanger Efficiency





## Integrating all the best features of Sarns myocardial protection products

- Exclusive Sarns Temperature Strip offers convenient visual display of cardioplegia temperature
- Sarns Pressure Manometer provides accurate, visual display of system pressure

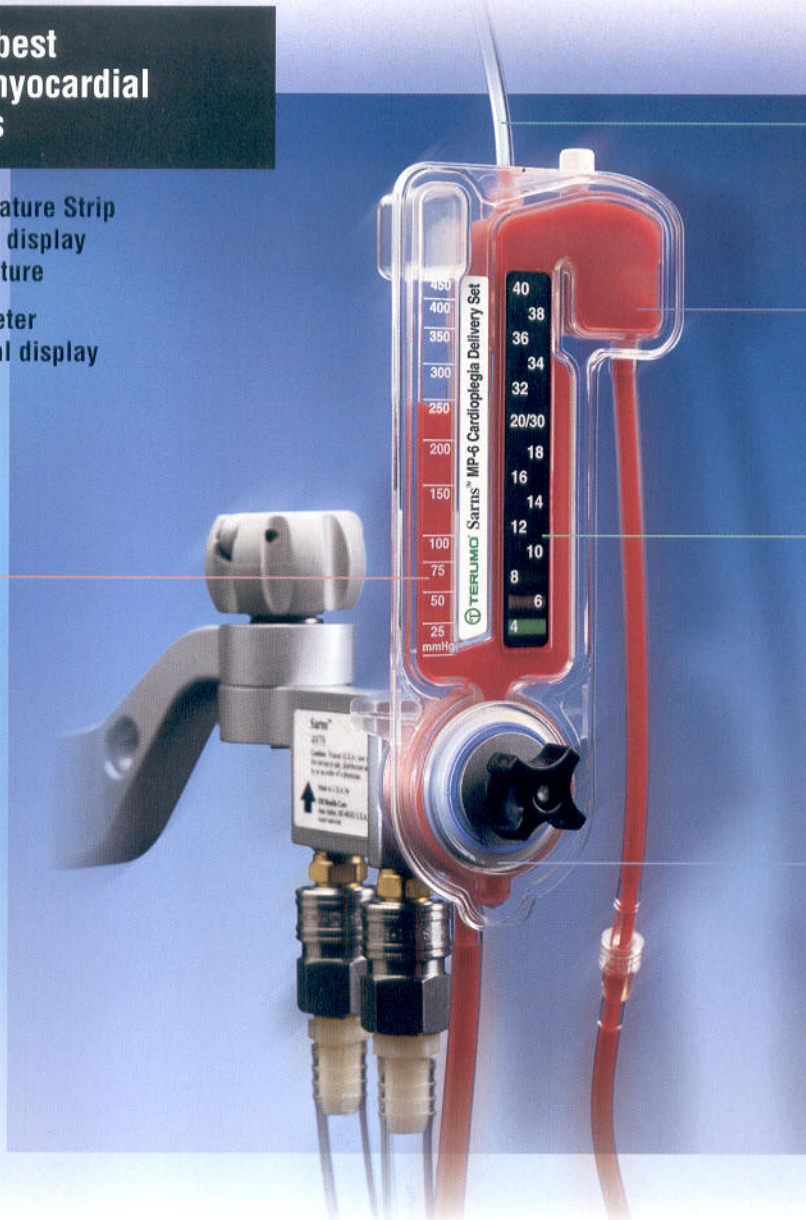
### Pressure manometer

- Accurately displays system pressure
- Easy to read and monitor
- Designed to increase resolution at low pressures
- Scale reads from 0 – 450 mmHg

### Electronic temperature port

(behind bubble trap)

- Accepts a standard YSI® 400 series sensor



### Pressure relief

- Helps prevent overpressurization of cardioplegia delivery system

### Bubble trap

- Bubble trap with vent port helps facilitate the easy removal of accumulated air

### Temperature strip

- Convenient visual display of cardioplegia temperature

### Efficient heat exchanger

- Counter-current flow paths for water and blood maximize temperature gradient

## Sarns MP-6 Cardioplegia Delivery System

**Recommended Blood Flow Rate:** Up to 500 mL/min

### Priming Volume

(Heat Exchanger and Module only): 62 mL

### Maximum Operation Pressure

Blood Side: 500mmHg (67 kpa)  
Water Side: 20psi (1.4 ATM, 138 kpa)

### Heat Exchanger

Type: Stainless Steel  
Surface Area: 258 cm<sup>2</sup>  
Priming Volume: 10 cc

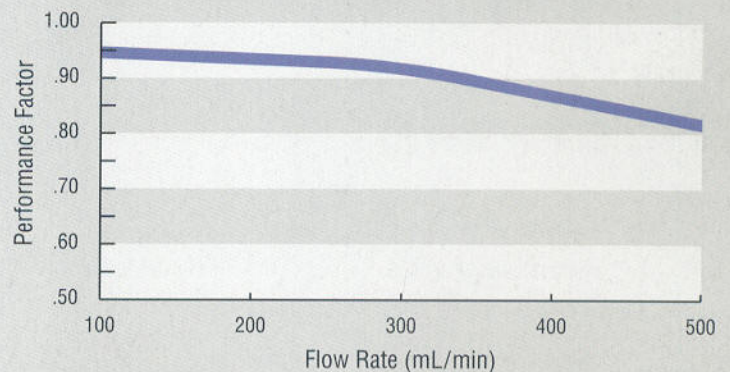
### Connections

Blood Inlet: 1/4"  
Blood Outlet: 3/16"  
Water Ports: Hansen Quick Connect Fitting

## Specifications

## Performance

Sarns MP-6 Heat Exchanger Efficiency





## Look to Terumo Cardiovascular Systems for a full complement of myocardial protection products.



### Sarns™ Cardioplegia Delivery Systems

- A full range of cardioplegia delivery products

### Sarns™ Cardioplegia Cannulae and Adapters

- A complete line of cardioplegia cannulae and adapters

### Sarns™ Cooler/Heater

- Reduces patient cooling time by melting ice
- Minimizes patient rewarming time with large-capacity heater with four temperature settings

### CAPIOX® Hemoconcentrator

- Helps manage potassium levels when delivering continuous cardioplegia
- High ultrafiltration rate
- Smooth, even blood flow

### CDI™ Blood Parameter Monitoring System 500

- Continuous information on eleven critical blood parameters (including potassium) for faster, more precise clinical decision making
- Lab quality accuracy

## Ordering information

Description	Catalog No.	Description	Catalog No.
<b>CAPIOX® CP50 Cardioplegia Set</b>		<b>Sarns™ MP-6 Integrated Cardioplegia Set</b>	
Available in cases of 6		Available in cartons of 4	
1:1 ratio, with bridge	62554	1:1 ratio	4972
2:1 ratio, with bridge	62555	2:1 ratio	4973
4:1 ratio, with bridge	62556	4:1 ratio	4974
8:1 ratio, with bridge	62557	4:1 ratio, with bridge	4975
		8:1 ratio	4976
		4:1 ratio, low prime	4977
<b>Accessories</b>		<b>Accessories</b>	
Holder	XX*XH081	Quick-Connect Water Fittings for 3/8" water lines	9439
Available in cases of 10		Electronic Temperature Probe	24710008
Red Thermistor Wire	CX*BP022	Cardioplegia Heat Exchanger Holder	4979
Blue Thermistor Wire	CX*BP021	Water Supply Seal Replacement Kit for water supply bracket	9456
		Replacement Table Lines:	
		Table line for configurations 4972, 4973, 4974, 4975 and 4976	16130
		Table line for configuration 4977	7082



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printed on recycled paper  
in the USA  
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98-0702-1879-1