

# *Sarns™ Modular Perfusion System 8000*



**THE #1 INSTALLED PUMP IN THE WORLD**



*The Sarns™ Modular Perfusion System 8000 offers uncompromised reliability and safety. Terumo's continued engineering efforts for the Sarns System 8000 testify to its support of perfusionists. This trusted heart-lung machine has been used in millions of cardiac surgery cases worldwide.*

**Start with a Durable Foundation**

- 4- or 5-Pump Base Options
- Roller and Centrifugal Pump Options
- Options include:**
  - Electronic Venous Line Occluder
  - Automatic Battery Back-up
  - Communications Module (data management)

- Sarns System 8000 Roller Pump:
- Stand-alone capability
  - Uni-directional hand crank



**Safety is Standard**

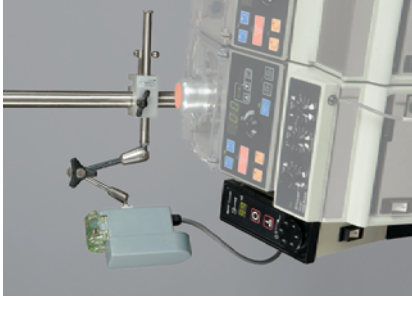
**Standard safety systems include:**

- Air bubble detection
- Ultrasonic level sensors

**Optional safety systems include:**

- 3 Pressure displays
- 5 Temperature displays
- 4 Timers
- Cardioplegia volume tracking

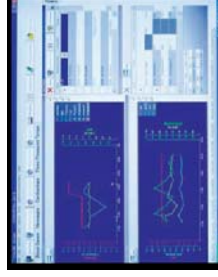
Electronic Venous Line Occluder:  
Precise way to control the venous line flow.



**Integrated Centrifugal System**

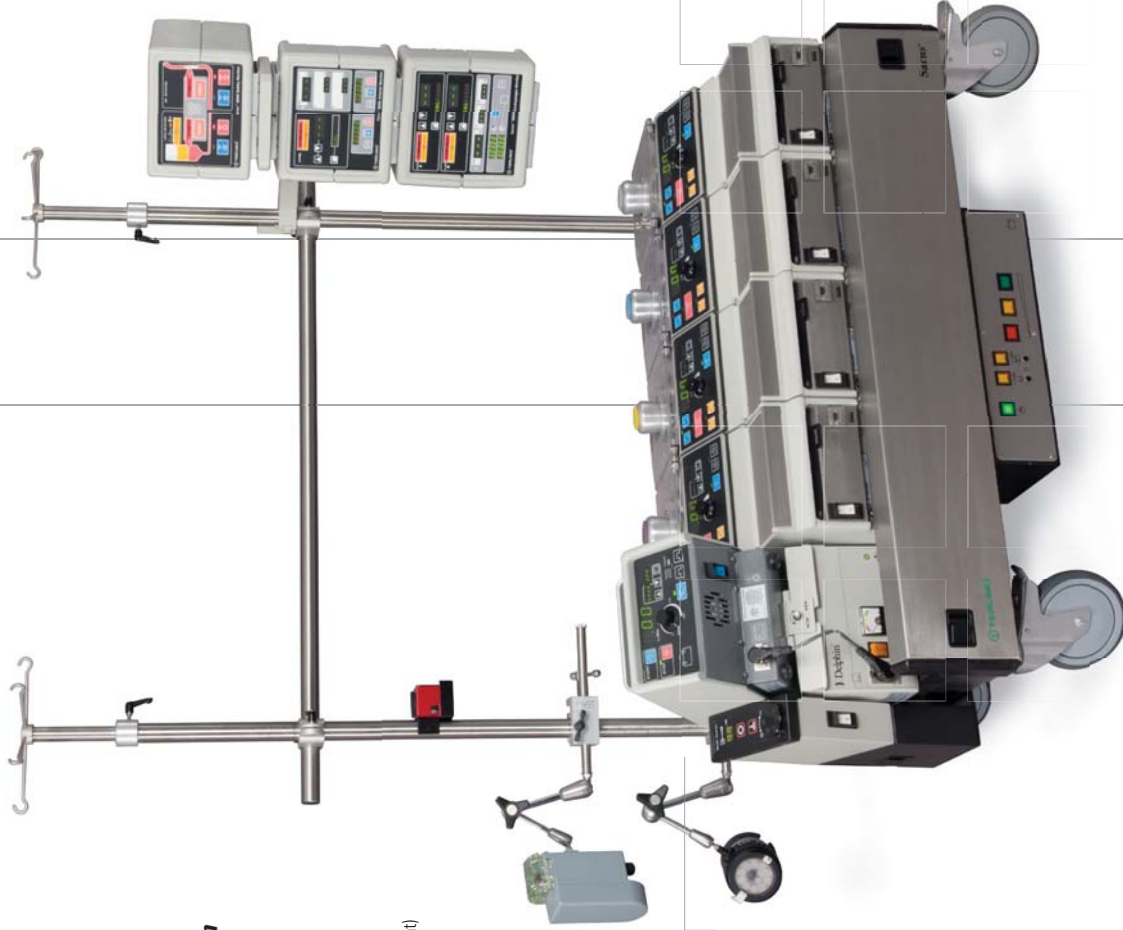
- Direct Connection to Safety Systems
- Continuous or Pusatile Flow
- Non-invasive Flow Sensor
- Centrifugal Drive Motor with Flexible Mounting Arm
- Additional Battery Back-up

*The Sarns Modular Perfusion System 8000 provides effortless connections for data acquisition.*



**TLINK™ Data Management System**

- Ultimate flexibility – allowing primary focus on the patient
- Clinician has control over the data at all times
- Built-in easy-to-use query function
- Advanced connectivity to OR devices



## Ordering Information

### Base

Base, 4 pump, 115V, safety monitor included	16400
Base, 5 pump, 115V, safety monitor included	16401
Base, 4 pump, 220/240V, safety monitor included	16405
Base, 5 pump, 220/240V, safety monitor included	16406

### Monitors

Safety monitor: included with System 8000 base	16404
Arterial monitor	16413
Cardioplegia monitor	16414
Mounting arm for System 8000 monitors	16421

### Roller Pumps

Roller pump, 115V	16402
Roller pump, 220/240V	16407

### Batteries

Battery module, 115V	16422
Battery module, 220/240V	16415

### Venous Occluder

Flexible mounting arm: Available for Integrated Centrifugal Drive Motor and Venous Occluder	816620
Venous line occluder	16418

### Air Bubble Detection

Ultrasonic air sensor 1/4" x 1/16" (6.4 mm x 1.6 mm) 1 required per air bubble detection system, includes cable assembly and pole clip	5785
Ultrasonic air sensor, 1/4" x 3/32" (6.4 mm x 2.4 mm) 1 required per air bubble detection system, includes cable assembly and pole clip	5791
Ultrasonic air sensor, 3/8" x 3/32" (9.5 mm x 2.4 mm) 1 required per air bubble detection system, includes cable assembly and pole clip	5773
Cable assembly	149892

### Flexible Halogen Lamp

Flexible halogen lamp, short, 15" (38.1 cm)	16420
Flexible halogen lamp, long, 33" (83.8 cm)	7278

### Pressure Monitoring

Pressure monitoring kit (10), sterile	16066100
Reusable pressure transducer	16433301
Pressure transducer holder	22300030

### Level Detection

Alert level sensor transducer Included with Sarns System 8000 base	195215
Alarm level sensor transducer Included with Sarns System 8000 base	195274
60 Level Sensor II pads, gel included	195240

### Poles

Pole, 3' (0.9 m)	131115
Pole, 4' (1.2 m)	16553401
Crossbar for 4-pump base	16426
Crossbar for 5-pump base	16427
Short mounting arm with 5/8" (1.6 cm) pole	16505801
Long mounting arm with 5/8" (1.6 cm) pole	16505901
Crossbar fitting: required for each additional pole	145980
Extension arm: 2 required	16425
Telescoping pole with bottle rack, 5'-7" (1.5 m-2.1 m)	16431701

### Accessories for Sarns™ System 8000

Instrument tray Includes long mounting arm with 5/8" (1.6 cm) pole	16434101
Sechrist air/oxygen blender: requires a hose kit and adapter set	164235
Tube clamp assembly	146835
Pulsatile flow control module	16416
Communications module (RS-232 port)	16417
Universal adapter cord (3 prong)	143554
Sarns centrifugal cable to System 8000	134332

### Sarns™ Centrifugal System

Control module, 100/115V	6379
Control module, 220/240V	6380
Non-invasive flow sensor 3/8" x 3/32" ID (9.5 mm x 2.4mm) wall, reusable	6382
Drive motor	164267
Flexible mounting arm	816620
Manual drive unit	164268
Battery, 100/115V Includes charger and connecting cable	9490
Battery, 220/240V Includes charger and connecting cable	9491



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Printed in the USA 818064