



Sarns™ Centrifugal System

A centrifugal blood pump with flexible mounting options and an efficient pumphead design

SPECIFICATIONS

Disposable centrifugal pump	3/8" (9.5 mm) connectors 48 mL priming volume
Drive motor	Length: 3.5" (8.9 cm) Diameter: 3.7" (9.4 cm) Weight: 3 lbs (1.4 kg)
Flow sensor	Reusable, non-invasive ultrasonic flow sensor for use with 3/8" ID x 3/32" wall tubing

Battery 220/240 V (50/60 Hz) (Connecting cable included)

Height	7.8" (19.8 cm)
Width	12.3" (31.2 cm)
Depth	9.0" (22.9 cm)
Battery weight	18 lbs (8.2 kg)
Battery backup	1 hour 45 minutes at 400 mmHg, 5 L/min flow, 2500 RPM
Recharge time	24 hours from full depletion

Control module 220/240 V, 0.8 A

Height	10.2" (25.9 cm)
Width	9.0" (22.9 cm)
Depth	19.9" (50.5 cm)
Weight	20 lbs (9.1 kg)
Leakage current	100 μ A max.
Ground resistance	0.1 Ohm max.
Motor speed range	0 – 3600 RPM
Outflow pressure	0 – 700 mmHg
Flow display range	0.0 – 9.9 L/min positive and negative
Flow sensing accuracy	0.3 – 1.0 L/min \pm 0.1 L/min 1.0 – 7.0 L/min \pm 10%

Centrifugal control unit for Advanced Perfusion System 1

	801046
Voltage	24 VDC
Height	3.1" (8.0 cm)
Width	7.3" (18.4 cm)
Depth	8.5" (21.6 cm)
Weight	2.4 lbs (1.1 kg)
Operating range	0.0 – 9.9 L/min



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▶ Ordering Information

DESCRIPTION	CATALOG NO.	UNITS/CASE
For a typical system add control module, flow sensor, drive motor, manual drive and holders		
Disposable centrifugal pump	164275	8
Disposable centrifugal pump with X Coating™	164275X	8
Control module, 220/240 V	6380	1
Drive motor	164267	1
Manual drive unit	164268	1
Flow sensor, 3/8" ID x 3/32" wall, reusable, non-invasive	6382	1
220/240 V battery (includes charger and connecting cable)	9491	1
Centrifugal control module holder.....	7087	1
Flexible mounting arm.....	816620	1

See also Sarns™ Disposable Centrifugal Pump (page 36)

✓ Features

Sarns™ Centrifugal System

- Non-invasive, ultrasonic flow sensor
- Low prime volume
- Exclusive backflow warning system
- Continuous or pulsatile flow
- Flexible hardware mounting options
- Battery backup power for 1 hour, 45 minutes



Ultrasonic flow sensor



Disposable centrifugal pump



Sarns™ centrifugal system



Backflow warning system

Xcoating™ is Terumo's own biocompatible hydrophilic polymer surface coating