

# SDS-50

## Single Patient Dialysis System

Simplified Processes and Improved Functionality

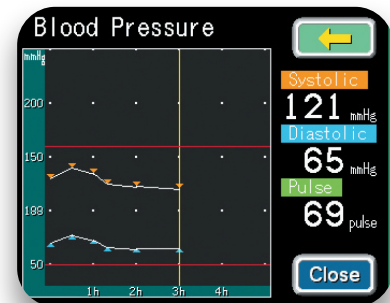
This Sophisticated Design Offers Reliability, High Performance and Safety



- Simplified Interface
- LCD color (12") with Touch Screen
- Reliable UF System

### Factory Options

#### Blood Pressure Monitor



#### Additional Blood Pump



## Technical Specifications

|                           |                                                                                                                                             |                                                                                 |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Model Name                | Single Patient Dialysis System SDS-50                                                                                                       |                                                                                 |
| Dimensions                | 310mm x 440mm x 1380mm                                                                                                                      |                                                                                 |
| Weight                    | 68 kg (without options)                                                                                                                     |                                                                                 |
| Power Source              | AC110V $\pm$ 10% or AC220V $\pm$ 10% 50/60Hz, Energy Consumption: 1.3 kVA                                                                   |                                                                                 |
| Water Source Requirement  | Water Pressure                                                                                                                              | 69 to 300 kPa at a flow rate 1000mL/min or more                                 |
|                           | Temperature                                                                                                                                 | 5 to 30 degrees                                                                 |
| Dialysate                 | Dialysate Concentration                                                                                                                     | 130 to 159 mmol/L                                                               |
|                           | Bicarbonate Concentration                                                                                                                   | 20 to 35 mmol/L                                                                 |
|                           | Sodium Profile                                                                                                                              | 8 fixed or 8 adjustable parameters                                              |
|                           | Flow Rate                                                                                                                                   | 300 to 600 mL/min                                                               |
|                           | Temperature                                                                                                                                 | 34 to 39.9 degrees                                                              |
| Ultrafiltration           | Control System                                                                                                                              | Closed Circuit with UF Pump                                                     |
|                           | UF Rate                                                                                                                                     | 0 to 5.00 L/h                                                                   |
|                           | UF Profile                                                                                                                                  | 8 fixed or 8 adjustable parameters                                              |
|                           | UF Profile Mode (UF/UF)                                                                                                                     | 8 fixed or 8 adjustable parameters                                              |
|                           | Accuracy                                                                                                                                    | $\pm$ 30mL/h                                                                    |
| Blood Pump                | Flow Rate                                                                                                                                   | 50 to 600 mL/min (ID8.5mm x OD12mm)<br>30 to 360 mL/min (ID6.4mm x OD9.6mm)     |
|                           | Accuracy                                                                                                                                    | $\pm$ 20mL/min                                                                  |
| Syringe Pump              | Syringe Type                                                                                                                                | Disposable syringes 10, 20 or 30mL                                              |
|                           | Flow Rate                                                                                                                                   | 0.3 to 9.9 mL/h (0.1mL) with bolus function                                     |
| Monitoring System         | Blood Pressure Monitor                                                                                                                      | -200 to 400 mmHg with automatic alarm function                                  |
|                           | Venous Pressure                                                                                                                             | -100 to 400 mmHg with automatic alarm function                                  |
|                           | Blood Drip Detector                                                                                                                         | Optical, 500 ppm sensitivity (Hct 25%)                                          |
|                           | Air Detector                                                                                                                                | Ultrasonic, 0.07 to 0.5 mL air bubbles can be detected at a flow rate 200mL/min |
| Cleaning and Disinfection | Disinfectant                                                                                                                                | 4 to 6% hypochlorite recommended                                                |
|                           | Disinfectant ratio                                                                                                                          | 1:64, 1:35, 1:10 selectable                                                     |
|                           | Acid rinse                                                                                                                                  | 30% acetic acid recommended                                                     |
|                           | Acid rinse ratio                                                                                                                            | 1:30, 1:20, 1:10, selectable                                                    |
| Options                   | Battery, built-in blood pressure monitor, air detector for arterial line, dialysate filter, additional blood pump, thermal disinfection (*) |                                                                                 |

(\*) factory options



**Call us or contact your local distributor for more information**

Copyright ©2015 JMS North America Corporation.  
All rights reserved.

BRO/SDS50-EN/001

### JMS NORTH AMERICA CORPORATION

#### MAIN OFFICE

22320 Foothill Blvd., Suite 350  
Hayward, CA 94541, U.S.A.  
Telf: +1-510-888-9090  
Fax: +1-510-888-9099  
NA: customerservice@jmsna.net

#### SALES OFFICE

480 Sawgrass Corporate Pkwy, Suite 120  
Sunrise, FL 33325, U.S.A.  
Telf: +1-954-689-9280  
Fax: +1-954-689-9289  
LatAm: ventas@jmsna.net