



Renatron® II, Renatron® II 100,  
Renatron® PA, Renatron® PA 100  
Reprocessing Systems  
*Change...and continuity*



**WORKING SOLUTIONS  
FOR OVER 35 YEARS**



**MINNTECH®**  
**renal systems**

A Minntech Corporation Business Group

Reprocessing Systems. Sterilants. Disinfectants. Concentrates.

# Reprocessing Systems



## THERE IS A PLACE FOR CHANGE... AND A PLACE FOR CONTINUITY

*The **Updated RENATRON® II and PA SERIES** brings all of the best features of the original but with critical enhancements determined by our customers.*

### The Gold Standard in Reprocessing

#### History of Success

- Renatron® Introduced in 1982
- Over 25 years and tens of millions of dialyzers reprocessed

#### Automated Reprocessing Cycle

- 10 minute cycle flushes, cleans, tests and fills dialyzers

#### Complete Reprocessing System

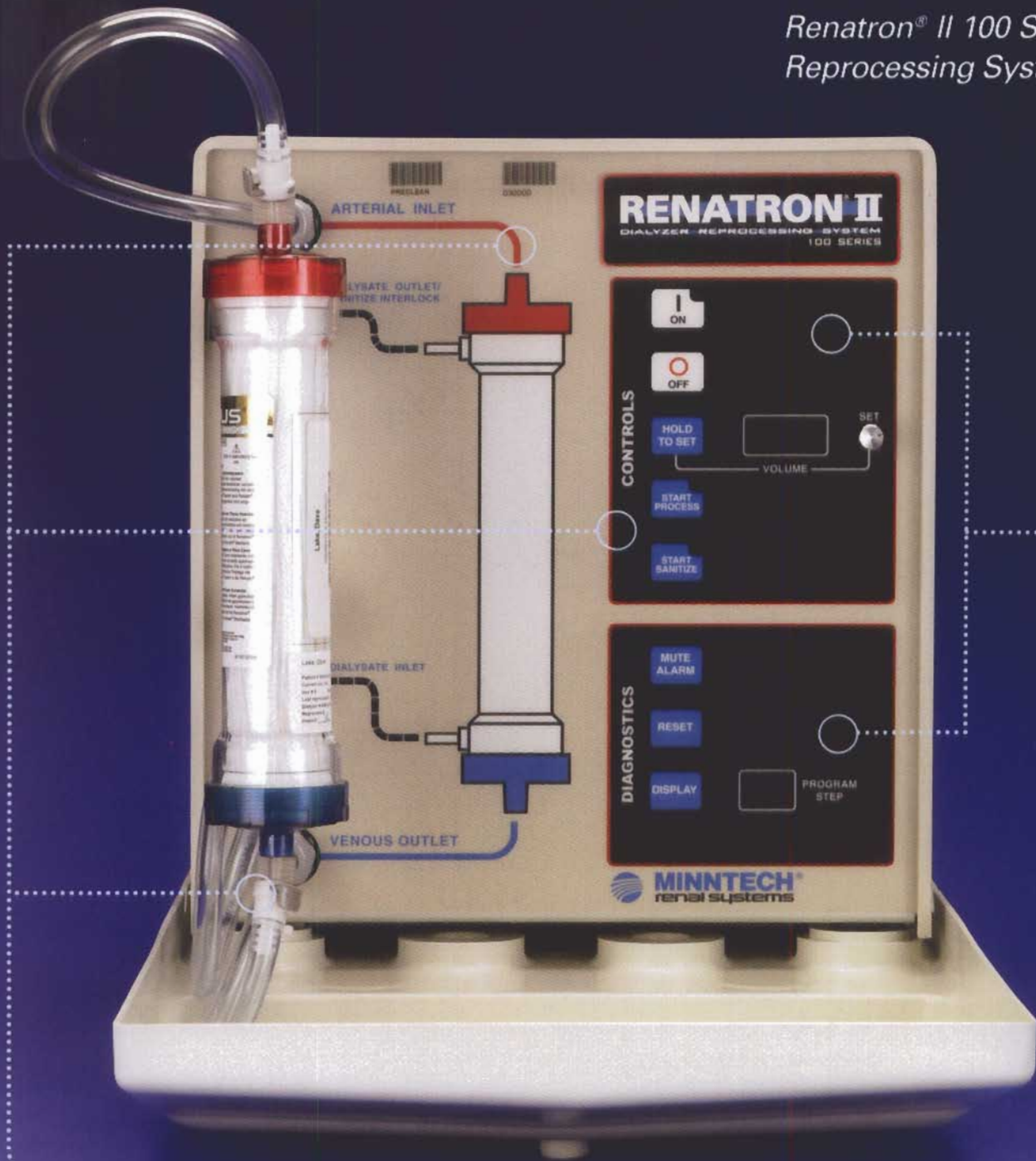
- Renalin® and Renalin® 100: Environmentally safe sterilants
- Renalog® RM: Most advanced dialyzer reprocessing data management system

#### Expandability

- Up to 12 Renatron® II 100 Series systems can be connected together via Renalog RM



## Renatron® II 100 Series Reprocessing System



### On the Outside

#### Venous Line Clamp

- Prevent cross contamination

#### Color Coding

- Provide visual cues to dialyzer orientation

#### More Defined Control Panel Areas

### On the Inside

#### Header Integrity Test

- Diagnostic test to verify that the header is on securely with "O" ring in place

#### Failed Volume Test

- Limiting the number of retests to 2 to get more accurate measurements

#### Culture Sample Cycle

- Separate cycle for ease of taking water samples

#### Dedicated Clean/Rinse Cycle

- Alternative and more aggressive Formula 409® cycle for heavily deposited lines and machines



## Renatron® Series Specifications

*Change...and continuity*

See DFU for more detailed specifications

### Electrical

|                    | Renatron                               | Interface Module                   | Computer                      | Monitor     | Report Printer | Label Printer         |
|--------------------|--|------------------------------------|-------------------------------|-------------|----------------|-----------------------|
| <b>Voltage</b>     | 120/220-240 VAC, 60/60 Hz Single phase | 115/230 VAC, 50/60 Hz Single Phase | 100-120/200-240 VAC, 50/60 Hz | 100-240 VAC | 110-220 VAC    | 100-240 VAC, 50/60 Hz |
| <b>Consumption</b> | 450 VA Max                             | 20 VA Max                          | 114 Watt Max                  | 52 Watt Max | 50 Watt Max    | 20 Watt Max           |

### Water Requirements for a Single Renatron Reprocessing Station

|                        |  |
|------------------------|--|
| <b>Feed Line Flow</b>  | 0.46 gallons/minute (1.75 liters/minute) at average pressure of 20-55 psig                 |
| <b>Peak Flow</b>       | 1.6 gallons/minute (6 liters/minute).<br>This peak flow is for 15-35 seconds in duration.  |
| <b>Quality</b>         | Must meet ANSI/AAMI RD-62 and RD-47  |
| <b>Temperature</b>     | 59°F-75°F (15°C-24°C)  |
| <b>Static Pressure</b> | Should not be in excess of 55 psig (379 K Pa, 3.79 Bars)                                   |
| <b>Drain</b>           | Minimum flow requirement is 1.6 gallons/minute (6 liters/minute) per reprocessing station. |

### Environmental Limits

|                         |   |
|-------------------------|---|
| <b>Room Temperature</b> | 41°F-104°F (5°C-40°C)                             |
| <b>Room Humidity</b>    | Maximum relative humidity of 80% at 87.8°F (31°C) |

### Size and Weight

|                                       | Width           | Depth            | Height           | Weight              |
|---------------------------------------|-----------------|------------------|------------------|---------------------|
| <b>Renatron II, PA Series</b>         | 14.5" (41 cm)   | 12.3" (31 cm)    | 16" (33 cm)      | 50 lbs (23 kg)      |
| <b>Interface Module</b>               | 12" (30.5 cm)   | 11" (28 cm)      | 3.5" (8.9 cm)    | 6 lbs (2.7 kg)      |
| <b>Drip Tray (Single)*</b>            | 15.25" (39 cm)  | 28" (71 cm)      | 3.5" (9 cm)      | 3 lbs (1.36 cm)     |
| <b>Drip Tray (Dual)*</b>              | 33.25" (85 cm)  | 28" (71 cm)      | 3.5" (9 cm)      | 6 lbs (2.73 cm)     |
| <b>Computer</b> (Approximately)       | 7.36" (18.7 cm) | 17.24" (43.8 cm) | 16.18" (41.1 cm) | 31.46 lbs (14.3 kg) |
| <b>Monitor</b> (Approximately)        | 15" (38.1 cm)   | 5" (12.7 cm)     | 16" (40.67 cm)   | 9.07 lbs (4.13 kg)  |
| <b>Report Printer</b> (Approximately) | 18" (45.72 cm)  | 21" (53.34cm)    | 9" (22.86 cm)    | 17.35 lbs (7.89 kg) |
| <b>Label Printer</b> (Approximately)  | 7.9" (20.07 cm) | 9.75" (24.77 cm) | 6.8" (12.27 cm)  | 3.2 lbs (7 kg)      |

\*Counter depth needs to account for gauge blocks. Measurements DO NOT take into account space needed for gauge blocks (between 3" to 6"). Contact your Minntech representative for additional information.



### Renatron® II, Renatron® II 100, Renatron® PA, Renatron® PA 100

The *Upgraded* Renatron Series Reprocessing Systems are the foundations for the most complete reprocessing solution for your clinic. Other components of this system include:

- Renalin® and Renalin® 100
- Renalog® RM
- Renalin® Indicator and Residual Test Strips
- On Demand™ Autodilution System

### About Minntech

Minntech Renal Systems has been providing WORKING SOLUTIONS to the hemodialysis community since 1972. Minntech Renal Systems reprocessing systems, sterilants, disinfectants and dialysate concentrates have been used in thousands of clinics and tens of millions of treatments. Today, Minntech Renal Systems continues to provide dialysis clinics with the highest quality products and services to ensure that clinics have the WORKING SOLUTIONS necessary for optimal patient care.



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