

# RENALYX - RxT21

Renalyx brings you India's first's hemodialysis machine offering smart dialysis with remote monitoring and clinical connectivity.



RxT 21 is an IoT enabled smart hemodialysis machine enabling telenephrology platforms and promoting patient safety and quality care with realtime monitoring



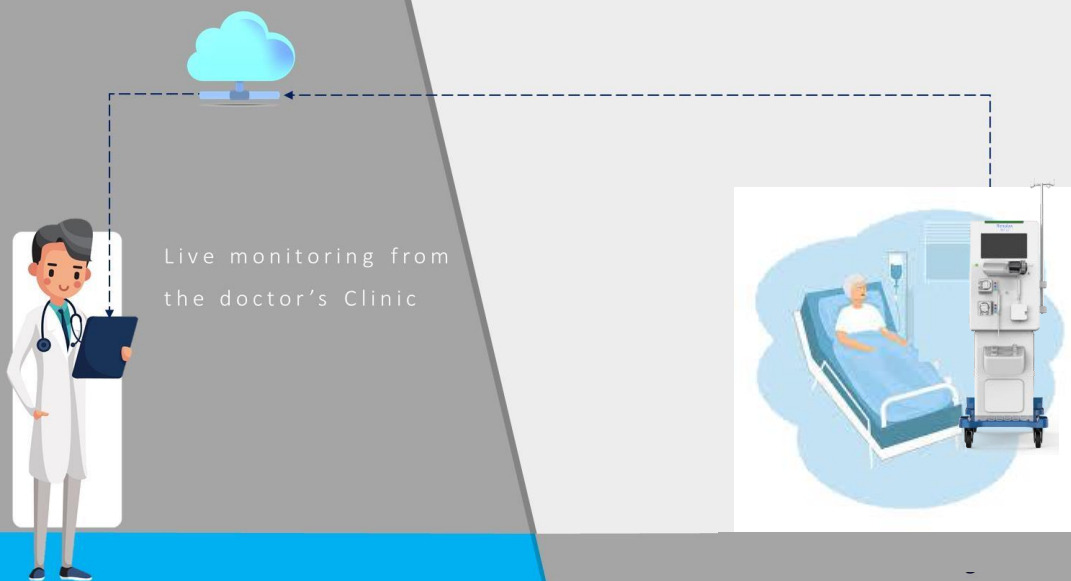
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# Renalyx HD – RxT 21

## Technical Specifications

### General

Dimensions 543 X 892 X 1415 mm

Weight 80 Kgs

Power Supply 230 V AC 50Hz

Electrical Protection Class Class 1, Type B

Current Consumption Maximum 8 Amps

Power Consumption for Rinse, Preparation & Dialysis 0.9 kW

Power Consumption for Disinfection 1.8 kW

Battery - Sealed & Maintenance free  
12V, 7.2 Ah  
20-minute extracorporeal backup

### Inlet RO water supply

Water inlet pressure 1.5 – 6.0 bar

Water inlet temperature 15 – 32°C

Drain Yes, Maximum 20 cm above the ground

### Dialysate Circuit

Dialysate temperature range 35-39°C

Dialysate conductivity range 12.5-15 mS/cm

Dialysate flow 100, 150, 200, 300, 500, 700 mL/min

0 – 4000 mL/hr

Ultrafiltration rate Factory default setting 0 – 1500 mL/hr  
Volumetric control

Optical sensor

Blood Leak Detector Alarm for blood leak  $\geq 0.35$  mL/min for hematocrit of 32%



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Live monitoring from  
the doctor's Clinic



## Extracorporeal Circuit

Blood pump flow range	10 ml/min to 400 ml/min Standard 6.5mm ID tubing
Arterial pressure display	- 300 to + 500 mmHg Postpump
Venous pressure display	- 200 to + 500 mmHg
Trans membrane Pressure	- 100 mmHg to +500 mmHg
Air bubble detector	Detects Air bubble larger than 10 $\mu$ L
Heparin pump syringe size	20 mL Syringe size* Infusion Rate – 0 to 20 mL/hr Bolus volume – 0 to 20 mL *10 ml syringe holder optional

## Rinse and Disinfection

Hot chemical rinse	Chemical disinfection (Citric Acid) above 80°C with recirculation
Hot water rinse	Above 80°C with recirculation

## Standard Features

Display	13.3-inch Touchscreen display
Sequential Dialysis	Yes
Sodium profiling	Yes (Conductivity based profiling)
Ultrafiltration profiling	Yes
Online Dialysis Efficiency Monitoring	Urea Clearance and Kt/V monitoring
Endotoxin Filter	Yes
Single Needle Dialysis	Yes
Patient monitoring	Bluetooth enabled NIBP and SpO2 module
Network and Connectivity	Wireless, Bluetooth, Upgradable software

## Optional Features

Sustained Low-efficiency Dialysis (SLED)	Yes
Slow Continuous Ultrafiltration (SCUF)	Yes
Dual Blood Pump	Yes



Version 4.0

\*\* RxT21 shown with the optional dual blood pump