



RC PRIME
INDUSTRIES INC.
Your Water & Renal Technology Specialist

SEMI-AUTOMATED

Dialyzer Reprocessing System

A locally assembled dialyzer reprocessing machine for the cleaning and disinfection of dialyzers used in dialysis. Fully controlled by a Programmable Logic Controller (PLC) with intuitive controls and clear visual indicators, the system is customizable up to eight stations and is available in wall-mounted or cabinet type — complete with a built-in fiberglass sink and laser-cut acrylic cladding.



Up to 8 Stations

Configurable capacity



PLC Controlled

Automated rinsing cycle



304 Stainless Steel

Chemical-resistant build



Wall or Cabinet

Flexible installation



PRECISION CONTROL PANEL

PROCESS INDICATORS

-  **Green** — Rinsing
-  **Orange** — RUF (Reverse Ultrafiltration)
-  **Red** — Disinfection
-  **White** — Process Complete

System & Build

- ✓ **Multi-station** semi-automated reprocessing, customizable up to 8 stations
- ✓ **Wall-mounted** or **cabinet** configurations
- ✓ **304 stainless steel** frame
- ✓ Laser-cut **acrylic cladding**, fully chemical resistant
- ✓ Built-in **fiberglass sink**
- ✓ Chemical-resistant tubing and fittings
- ✓ Input: **220 VAC, 60 Hz / 24 VDC** · 300–500 W load
- ✓ Male-to-male coupling adaptor for rinsing & disinfection
- ✓ Locally assembled

Control & Process

- ✓ **PLC-controlled** automatic Flushing, RUF & Final Rinsing sequence
- ✓ Programmable rinsing & RUF times (**default 5 min** each)
- ✓ Timer-controlled sequence, compatible with all dialyzer types
- ✓ Individual in-line pressure gauge & water pressure regulator per station
- ✓ Input pressure gauge for incoming supply monitoring
- ✓ **SS316 solenoid valves** (24 VDC / 220 VAC)
- ✓ **Peristaltic pump** for chemical disinfection; **diaphragm pump** for TCV test
- ✓ Pressure relief valve & simplified wiring with individual slim relays
- ✓ Manual TCV testing via high-precision digital pressure gauge
- ✓ Individual LED & 24 VDC pilot-lamp indicators; push-button switches

DEFAULT
CYCLE

Rinsing
5 MIN

RUF
5 MIN

Final Rinsing
5 MIN

FULLY
PROGRAMMABLE

Available Configurations

Customizable up to **8 stations** · Wall-mounted or Cabinet type



2 Station

Cabinet Type



5 Station

Wall-Mounted



6 Station

Cabinet Type