RENAL CARE



RO MEDICAL

REVERSE OSMOSIS SYSTEM FOR DIALYSIS APPLICATIONS

NIPRO

RO medical

REVERSE OSMOSIS SYSTEM FOR DIALYSIS APPLICATIONS

OPTIONS

- Redundant operation
- Parallel operation
- Serial operation
- UF membrane after RO
- Sterile after RO
- Loop heat sanitation
- Permeate tank control



ADVANTAGES

- High quality water product
- High operational reliability
- Cost-saving and economical RO water purification
- Computer controlled
- Sanitary pipelines
- Expandable modular unit with up to 4 membranes
- Simple installation and easy servicing
- CE and Class IIb Medical Device according to Council Directive 93/42/EEC
- Excellent price-performance ratio

FEATURES

- **Operation**
  - By keypad and backlit LCD display
  - Different languages available
  - Operation and service menu
  - Permeate storage tank control
  - Operating hours displayed
  - Clear text display
- **Audio and visual alarms**
  - Permeate conductivity
  - Excess pressure
  - Low inlet pressure, automatic shut down when water flow is interrupted
- **Design**
  - Stainless steel frame and piping
  - Stainless steel pressure pump
- **Monitoring**
  - Permeate conductivity
  - Permeate temperature
  - Permeate flow
  - Concentrate flow
  - Pump pressure
- **Process engineering**
  - Permeate backflow
  - Water saving technology
  - Low energy thin film polyamide membranes
  - Automatic restart after power failure
  - Interval auto flush

SPECIFICATIONS

Operating Parameters	
Permeate capacity	350-1400 l/h (15°C water input)
	380-1520 l/h (20°C water input)
Standard recovery	60 %
Salt rejection	< 99,3 %
Temperatures	10–35 °C operating
	1–40 °C shipping & storage
Power Supply	
Mains voltage	230 V, 1-phase, 50 Hz
	230 V, 1-phase, 60 Hz
Standard power supply. Other voltages or frequencies on request.	
Power rating	2,0 kW

Dimensions	
(W x D x H)	1000 x 500 x 1650 mm
Raw Water Supply	
Temperature	5–25 °C
Quality	Hardness < 1 °dH (0,18 mmol/l)
	Silica < 25 ppm (mg/l)
	Chlorine < 0,1 ppm (mg/l)
	Iron < 0,1 ppm (mg/l)
	Fouling Index (S.D.I.) < 3
Drinking water should be used. Pre-treatment equipment available for all water qualities.	

Nipro Renal Care is part of Nipro Corporation Japan, a leading global healthcare company established in 1954. With over 35.000 employees worldwide, Nipro serves the Medical Device, Pharmaceutical, and Pharmaceutical Packaging industries.

Nipro Renal Care is a global market leader with over 6 decades providing renal solutions for dialysis and dialysis-related treatment. We specialize in developing dialysis machines, water treatment systems, and a comprehensive portfolio of disposable medical equipment.

In order to address the needs of patients, healthcare professionals, and procurement managers alike, Nipro Renal Care is driven by innovation and patient safety to offer the highest quality products that optimize time, effort, and costs.

BECAUSE EVERY LIFE DESERVES AFFORDABLE CARE

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