

RENAL CARE

RO MEDICAL BASIC

REVERSE OSMOSIS SYSTEM FOR DIALYSIS APPLICATIONS

NIPRO

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REVERSE OSMOSIS SYSTEM FOR DIALYSIS APPLICATIONS

OPTIONS

- Redundant operation
- Parallel operation
- Serial operation
- UF membrane after RO
- Sterile filter
- Permeate tank control



ADVANTAGES

- High quality water product
- High operational reliability
- Cost-saving and economical RO water purification
- Computer controlled
- Simple installation and easy servicing
- Expandable modular unit with up to 4 membranes
- CE and Class IIb Medical Device according to Council Directive 93/42/EEC
- Excellent price-performance ratio
- Manually operated emergency mode in the event of PLC failure

FEATURES

- **Operation**
  - Backlit LCD display
  - Different languages available
  - Operation and service menu
  - Clear text display
  - Permeate storage tank control
  - Operating hours displayed
- **Audio and visual alarms**
  - Permeate conductivity
  - Excess pressure
  - Low inlet pressure, automatic shut down when water flow is interrupted
- **Design**
  - PVC/PA piping
  - Coated steel frame
  - 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 in fiberglass housing
  - Interval auto flush
  - Automatic restart after power failure

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.	

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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.

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