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
- CE and Class IIb Medical Device according to Council Directive 93/42/EEC
- Excellent price-performance ratio
- Simple installation and easy servicing

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FEATURES

Operation

- By keypad and 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 interrupted

Design

- Stainless steel frame and piping
- Stainless steel pressure pump

Monitoring

- Permeate conductivity
- Permeate temperature
- Permeate flow
- Concentrate flow
- Pump pressure

Processing engineering

- Permeate backflow
- Water saving technology
- Low energy thin film polyamide membranes
- 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%
Temperature	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
	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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