

RO MEDICAL BASIC

REVERSE OSMOSIS SYSTEM
FOR DIALYSIS APPLICATIONS



R0 medical BASIC

REVERSE OSMOSIS SYSTEM FOR DIALYSIS APPLICATIONS

OPTIONS

- Redundant operation
- Parallel operation
- Serial operation
- UF membrane after R0
- 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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