

# ROmedical

## Reverse Osmosis System for Dialysis Applications

### Advantages

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- High quality product water
- High operational reliability
- Cost-saving and economical RO water purification
- Computer controlled (PLC)
- Modular expandable
- Pharmaceutical clamp connections
- Manually operate emergency mode in event of control failure
- Data transfer and online servicing possible via LAN connection or remote control (Option)
- Simple installation and easy servicing
- CE approved and medical device approval
- Excellent price-performance ratio



### Features

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- **Monitoring**
  - Permeate conductivity (start / end of loop)
  - Permeate temperature
  - Permeate flow
  - Concentrate flow
  - Inlet water conductivity
  - Pump pressure
  - Inlet and permeate pressure
- **Design**
  - Stainless steel membrane housings, pump and frame
- **Operation**
  - By key pad and backlit LCD-Display
  - Language software settings
  - Operation and service menu
  - Error history
- **Audio visual-alarms**
  - Permeate conductivity
  - Permeate over pressure
  - Permeate temperature
  - Low inlet pressure, automatic shut down when water flow is interrupted
- **Process engineering**
  - Permeate backflow
  - Water saving technology
  - Low energy thin film polyamide membranes
  - Interval auto flush

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## Reverse Osmosis System for Dialysis Applications

### Technical Data

#### Operating Parameters

Permeate Capacity: 0,3-1,4 m<sup>3</sup>/h (15°C raw water input)  
Standard Recovery: 60-75%  
Salt rejection: < 99,3%  
Temperatures: 10 - 35°C operating  
1 - 40°C shipping & storage

#### Dimensions (WxDxH): 1200 x 500 x 1700 mm

#### Power Supply

Mains voltage: 230 V, 1-phase, 50 Hz  
230 V, 1-phase, 60 Hz  
115 V, 1-phase, 50 Hz  
115 V, 1-phase, 60 Hz

Standard power supply, other voltages or frequencies on request

Power rating: 2,0 kW

#### 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.

Technical changes reserved.



### Options

- Redundant operation
- Parallel operation
- Serial operation
- UF membrane after RO
- Sterile filter after RO
- Loop heat sanitisation
- Remote control
- Permeate tank control

