

Reverse Osmosis Systems

Type *High Pressure* 5 m³/h and more



www.aquacare.de

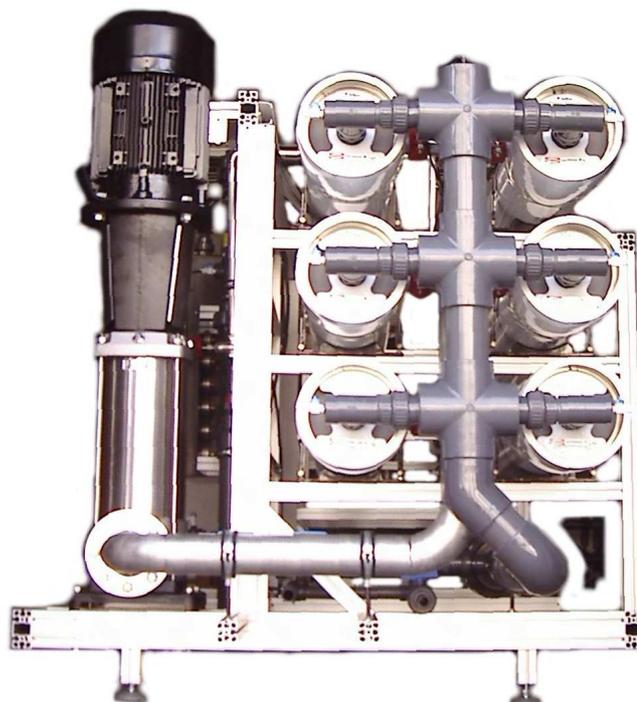
AquaCare GmbH & Co. KG
Am Wiesenbusch 11 • D-45966 Gladbeck • Germany
☎ 0 20 43 - 37 57 58-0 • 📠 0 20 43 - 37 57 58-90
www.aquacare.de • info@aquacare.de



HP 720,000 (40 m³/h) with dosing station

Skid mounted R.O. System

- Daily pure water capacities: from approx. 5* to approx. 250 m³/h* at retention rates of 90-99%.
- Plant on professional aluminum profile frame, stainless steel frame (option).
- Waste water to pure water ratio according to customer requirements and source water.
- Pre-treatment adapted to the source water (softening, stabilization, pH adjustment, etc.)
- Pressure gauges for prepressure, filter pressure, membrane pressure and permeate pressure
- Microprocessor-controlled R.O.matic with two-line full text display:
Display of the conductivity of the pure water and, if necessary, of the deionized water, operating hours counter, malfunctions, automatic time-controlled rinsing intervals, permeate control, automatic permeate discharge in the event of poor quality, permeate and concentrate deficiency shutdown, can be combined with automatic softening systems or other pre-treatment, potential-free outputs for malfunctions and exceeding of the conductivity of permeate and deionized water.
- PLC control (option): touch screen, additional sensors, remote control, alarm message to the Internet or to a cell phone, webcam
- Expandable with demineralization modules (conductivity down to 0.0548 µS/cm), high-performance adsorption filters, carbon dioxide adsorbers, softening filters, precision conductivity meter, deferrization systems, softening systems, blending valve; can be integrated into existing water treatment elements.



Conditions to the raw water quality



Iron and manganese: max. 0.1 mg/l (pre-treatment possible in case of increased values).
 Total hardness: max. 20°dH (pre-treatment possible in case of elevated values), softening is advisable
 Strontium and barium: not detectable (pre-treatment possible in case of elevated values)
 Electrical conductivity: max. 2,000 $\mu\text{S}/\text{cm}$ (up to 5,000 $\mu\text{S}/\text{cm}$ with performance losses; for even higher salinity levels, we will be happy to provide information on our brackish water and seawater desalination plants)
 The design of the plant is done with special software after evaluation of the water analysis of the raw water.

Technical data of models up to approx. 250 m³/h

Plants from approx. 1 m³/h to approx. 250 m³/h are designed according to customer-specific requirements or raw water parameters. Optimizations in terms of yield, retention rate, energy input, required additives, pre-filtration by standard filters or ultrafiltration, maintenance intervals, 2nd RO stage and dimensions (e.g. for sea containers) of the plant are possible.
 We would be pleased to submit you a detailed offer including the technical data.



Reverse osmosis plants made to measure

<p>Smallest plants from 90 to 1000 l/d. Special requests are also possible for very small plants!</p>	<p>Small plants with pressure pump up to 3600 liters per day</p>	<p>Plate mounted plant (wall plant) up to 7,000 liters per day</p>	<p>Floor standing plants from 0.2 to 1 m³ per hour</p>
<p>Brackish water plants up to approx. 15,000 mg/l TDS</p>		<p>Seawater desalination plants from approx. 70 to 1,000 m³ per day</p>	