WATER TREATMENT

HQ-RO SERIES

REVERSE OSMOSIS

Our HQ-RO (Reverse Osmosis) systems are used for desalinating softened drinking water in accordance with drinking water regulations; this means it is free from chlorine, which is undetectable. The HQ-RO is preceded by a water softener to prevent the membrane from becoming clogged with lime particles from the water.

In reverse osmosis, water is forced through a membrane that filters out suspended particles, organic material, bacteria, viruses, and germs. Only pure H2O molecules are pushed through the membrane under high pressure, and this water is referred to as osmosis water.

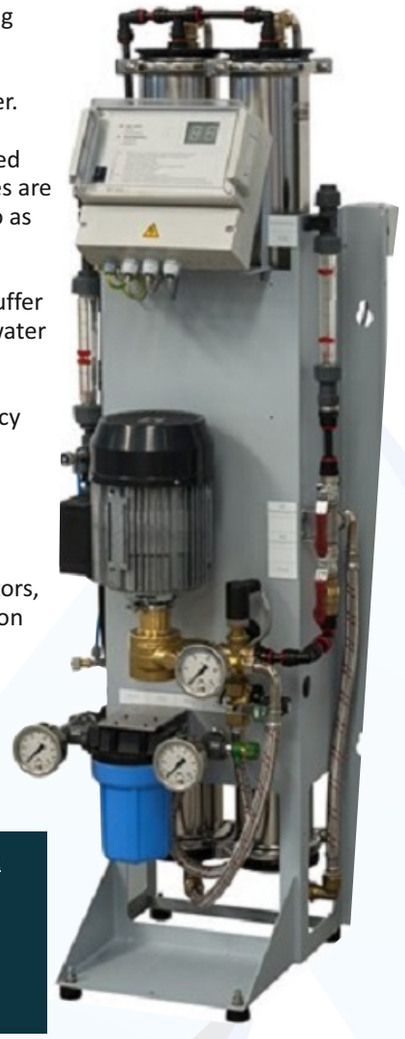
All filtered minerals are concentrated and discharged in the waste stream. The buffer tank or storage tank is continuously replenished to prevent pressure loss in the water supply.

The HQ-RO systems can remove up to 97% of minerals, operating at 75% efficiency with 25% waste. Systems with higher recovery rates or mineral content are also available.

RO water leaves no streaks when it dries and always has the same composition.

Reverse osmosis has many applications in both the residential and industrial sectors, including boiler feed water, car washes, laundromats, window cleaners, production industries (fog machines, air conditioners, steam cookers), the pharmaceutical industry, the textile industry, agriculture and fisheries, process water, and more.

New: Also applicable for greywater recycling.



EFFECTIVE SOLUTION
- Minimal noise
- Water-saving
- Reduction of high salt levels
- Easy to install
- Energy-saving

FOR EVERY TYPE OF WATER
- Softened tap water
- Ultra-pure water
- Tap water
- Brackish water
- Seawater

Technical details		HQ-120	HQ-300	HQ-500
Flow Rate	l/h	120	300	500
Min. Salt Rejection	%	97		
Recovery	%	75-80		
Design Pressure	bar	12		
Membrane / Quantity		4021 / 1	4040 / 1	4040 / 2
Voltage	V/Hz	230 / 50		
Motor Power	kW	0,55		
Height	mm	1.300		
Width	mm	420		
Depth	mm	350		
Weight +/-	kg	45	55	70
Art.no.		180 011	180 012	180 013
Fuse 16 A, feed water connection DN 20, permeate/concentrate connection DN 10, conductivity range 1 - 99 µS/cm, Feed water pressure min./max. 2/6 bar, feed water temperature min./max. 5/35°C, ambient temperature max. 40°C, pH value 3 – 11				

HQ-LINE
clear in water solutions

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