

# Nordic Filtration

Water  
Treatment



Reverse Osmosis HC - High Capacity

[www.nordicfiltration.com](http://www.nordicfiltration.com)



## Technical Data

- 3000-20000 l/h (depending on model)
- Up to 98%-99,5% Salt reduction
- 50%-95% System recovery
- 6000 ppm, Max inlet TDS



The RO-HC series from AQUAPHOR are high-volume reverse osmosis water purification units for large-scale applications. Fully equipped with high-end components, RO-HC series features a reliable problem-free energy-efficient operation with easy maintenance. This product line is a go-to solution for industrial applications and municipal water preparation and can also be supplied as a containerized unit.

## Benefits

- Improved water quality
- Extended membrane life
- Low maintenance operation
- Space saving design
- Quiet operation
- Reduced operational costs

## System equipment

- Various product Sizes 3000 - 20000 l/h
- Stainless steel frame and equipment panel
- Stainless steel 316 pressure piping
- 5 micron pre-filtration
- Energy saving GE AK-series brackish water high rejection membranes
- Multi-stage centrifugal stainless steel 316 pump
- Fully equipped electric board with pump protection and soft starter
- Clean-in-place integrated system
- Grundfos DDE antiscalant dosing pumps
- 100 liter PE antiscalant tank
- FRP side port membrane housings
- Motorized feed valve, product drain valve and flush valve
- Stainless steel 316 regulation valves
- MP controller for quality monitoring
- High pressure shutoff • Double low pressure shutoff
- Permeate conductivity SS 316 sensor
- RAW-water pump control relay
- Permeate tank level monitoring
- Alarms: low inlet pressure, low feed pressure, high permeate conductivity, motor fault, high concentrate pressure

## Optional features

- Supply pumps and storage vessels
- Integrated ABB PLC and color touch screen display with remote control kit
- UF pre-treatment
- Nalco antiscalant





### Technical Features

Model	RO-HC 3000	RO-HC 6000	RO-HC 9000	RO-HC 12000	RO-HC 15000	RO-HC 20000
Permeate flow, l/h	3000	6000	9000	12000	15000	20000
Membrane quantity	3	6	9	12	15	20
Max inlet TDS, ppm	10.000	10.000	10.000	10.000	10.000	10.000
Clean water, l/h	3000	6000	9000	12000	15000	20000
Power Supply	380V, 50Hz					
Power Consumption	6,5kW, 16A	8,5kW, 20A	12,5kW, 25A	19,5kW, 40A	-	-
Salt rejection	98%-99,5%					
System recovery	50%-95%					
Flush valve	yes					
Pre-filter Quantity	3xLD0520	4xLD0520	7xRO.Z 0540	14xRO.Z 0540	14xRO.Z 0540	14xRO.Z 0540
Dimensions, mm	3705x2115x1200	3705x2115x1200	3840x1830x1400	3920x1870x1400	5730x1870x1400	5730x1870x1400



# Nordic Filtration

At [www.nordicfiltration.com](http://www.nordicfiltration.com) you will find a wide selection of filtration products ready for you to order.

Nordic Filtration offers a wide selection of filtration products for water treatment. We have stock in Denmark from where we distribute all of our products to Scandinavia and the the rest of the world.

You can buy our products on local websites or by contacting us by phone or e-mail. Information about our products as well as brochures and manuals can be found on our website ([www.nordicfiltration.com](http://www.nordicfiltration.com)).

We can adapt all of our filtration products to your needs, and we offer visits from our consultants in order to find the right solution for you.

