



Description

To deliver the highest possible quality, every part of the total production process plays an important role, including the input water that you use. Unpurified mains water still contains salts that can cause problems in high-precision production, with the result that optimum quality is not achieved. Rinsing with unpurified mains water also creates stains on your products.

In addition to improving the quality, purification of mains water can also cut costs. For example, with a longer service life of coolant emulsions made for machining processes, or lower soap consumption thanks to complete hardness removal.

Reverse osmosis (RO) is the ideal way to totally purify water and to remove all the salts. Moor Filtertechniek is a manufacturer of water treatment systems and has developed the Aquarius especially for further purification of mains water.

Operation

The Aquarius is a compact RO unit with an integrated storage tank. The unit can be connected directly to the mains water, so that the water enters the system via

supply valve. After going through a safety pre-filter, the water is then pressurised using a Lowara multistage pump. At this operating pressure, the water is purified by the RO membranes, resulting in removal of all the salts. The purified water is immediately stored in the integrated storage tank. As an optional extra, the pressure of the water from the storage tank can be increased with a Lowara pressurisation pump.

Advantages

- o compact stand-alone RO system
- o includes polypropylene storage tank
- o removes hardness and dissolved salts, such as sodium and chloride
- o low maintenance / easy to maintain

Optional extras

- o EC monitoring of the produced water
- o pressurisation pump
- o antiscalant dosing

Specifications

MODEL	AQUARIUS 400	AQUARIUS 800
Production (l/h)	400	800
Dimensions (cm)	75 x 75 x 220	
Effective volume of storage tank (litre)	275	
Power consumption (kW)	0,5	

OUTPUT QUALITY	
EC (mS/cm)	< 0,1
Na (mmol/l)	< 0,1
Hardness	< 1 °dH

Required facilities	
Temperature	10 - 20 °C
Pre-pressure	1 - 2,5 bar

PRESSURISATION PUMP (OPTIONAL)	
Control pressure (bar)	2,2
Maximum capacity (m ³ /h)	4

For larger capacities and/or treating ground water, we offer the Nexus RO system. Our technical specialists will be pleased to advise you about the options.



MOOR FILTERTECHNIEK

For more information, see our website www.moor.nl, call our employees +31 (0)174 51 50 50 or mail sales@moor.nl.