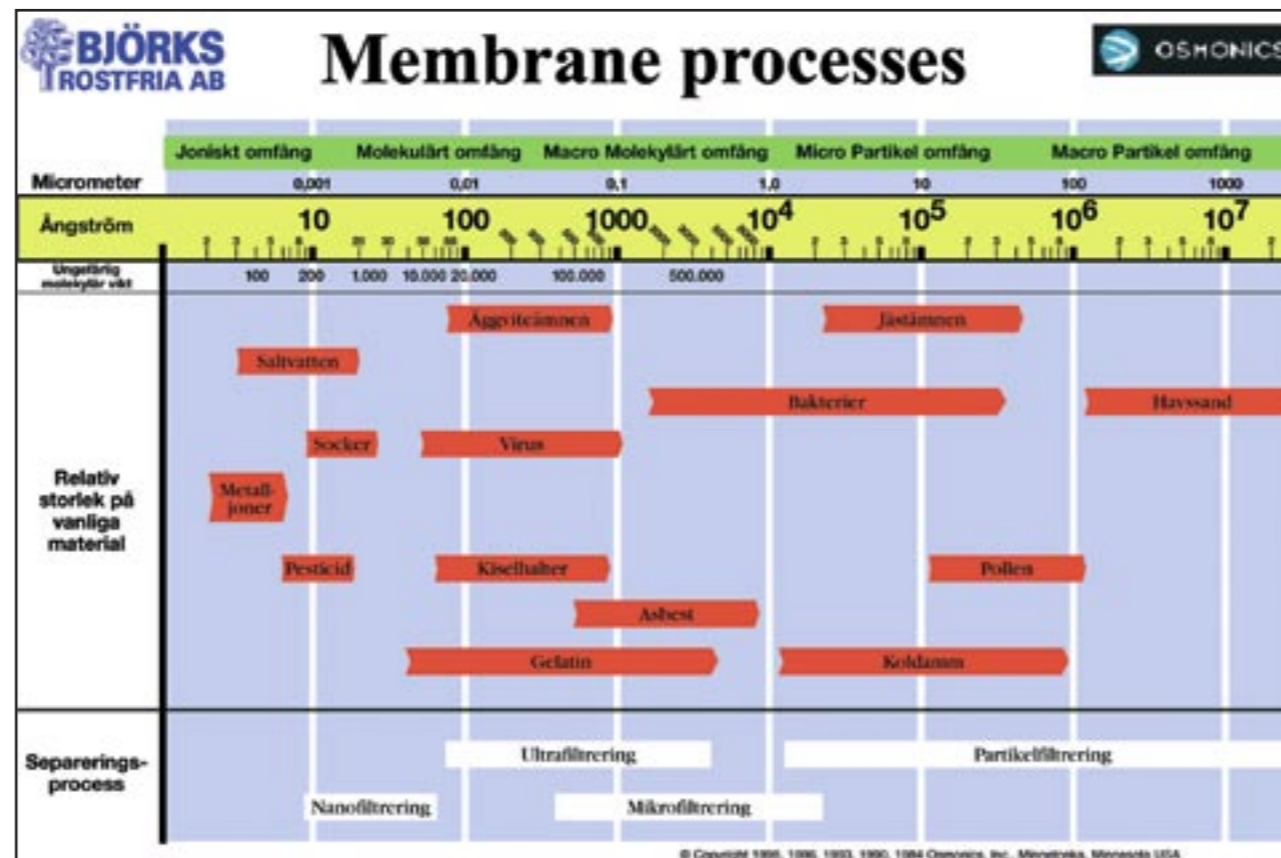


of water



Björks Rostfria builds complete units in its own workshops. By combining our skills and production systems we can adapt each unit to the customer's specifications. Our system also includes transport and final installation. Cutting-edge thinking and modular adjustments are used to shorten and rationalise the construction time.



Membrane unit ready for delivery.



Björks Rostfria AB
 Box 4
 763 21 Hallstavik
 Visiting: Lundåsvägen 11

Phone: 0175 – 250 50
 Fax: 0175 – 250 59
 Email: info@bjorksrostfria.se
 URL: www.bjorksrostfria.se

Complete know-how in liquid transports.
 Planning, delivery and installation of
 complete systems.

A glass of



BJÖRKS
ROSTFRIA AB

Water

Water is vital to all life forms on our planet. Approximately 60 % of our body mass is made up of water, and our bodies require a constant supply of pure water. Adults need an intake of four to five litres per day to thrive. In hot weather it is important to drink even more.

Access

Access to water has always been a decisive factor in man's choices of where to settle. When humans learnt to cultivate the land, they became even more dependent on water. Drought has caused cities to be deserted and civilisations to be dispersed. Throughout history, man has been plagued by diminishing water supplies caused by climate change and overexploitation.

Use

European households consume about 200 litres of water per person and day: 10 litres for food and drink, 40 litres for flushing, 40 litres for washing up, 30 litres for laundry, 70 litres for personal hygiene and 10 litres for other uses.

WFD

The amount of water in circulation is constant, but its quality is not. Sixty-five percent of all drinking water in Europe comes out of our shared groundwater. Sixty per cent of European cities overexploit their groundwater reserves. The amount of artificially watered areas on the continent is constantly increasing. The EU Water Framework Directive (WFD) sets ambitious targets to ensure that all water is of a good quality.

Production

The production and distribution of drinking water is the most important element in each society's food and beverage supply process. Production costs can be kept low with energy-efficient membranes and correctly dimensioned production facilities.

Purification

Membrane filtration is an established purification method in watertreatment, chemical and mechanical industries. Several conventional water treatment processes, including flocculation, sand filtration and desalination, as well as odour, taste, colour, COD, fluoride, fertilizer and pesticide reduction, can today be replaced by membrane. Membrane technologies have developed at a very high rate, comparable to that of other technology-intensive sectors.

Membranes

In membrane processes, separation takes place on a membrane - a thin film designed to separate substances, let some through but not others.

Membrane technologies bring great advantages for water treatment plants:

- Smaller units
- Lower energy consumption
- Simpler handling and supervision processes
- Less man hours
- Lower maintenance and servicing costs
- Less chemicals
- Constant quality of water

Björks Rostfria AB has comprehensive know-how and broad experience of membrane filtration technologies.

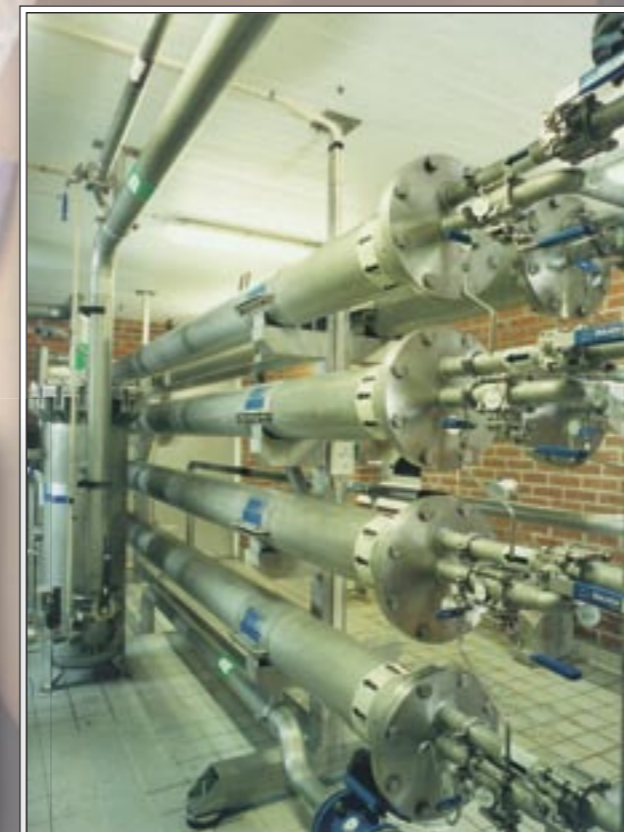
For further information, please visit www.bjorksrostfria.se, www.membranfiltrering.se or www.membranteknik.se

Källebergs Water Treatment Plant

Björks Rostfria AB was commissioned by the municipality of Vänersborg to install membrane filtration unit at Källebergs Water Treatment Plant. The plant supplies water to households, offices and a sector of the food and beverage industry. The Food Industri have very strict requirements for continuity and quality. The unit has been manufactured at Björks Rostfria AB's workshop and then delivered to the Källebergs plant to make the construction process quicker and more secure.

ALControl	Report 04001467	20040116
SUBSTANCE	Raw water	Membrane-filtered water
NITRATES	17,0 mg/l	2,2 mg/l
NITRATE-NITROGEN	3,8 mg/l	0,5 mg/l
BAM*	0,3 µg/l	immeasurable

*dichlor-benzamide



Since 1983, Björks Rostfria AB has planned, constructed, produced, delivered, built and installed several complete systems in Sweden and abroad.

Contract-based operations

We produce, deliver and install complete systems in stainless/acid-proof materials for state- and industry-operated water treatment plants, pumping stations and wastewater plants. Björks Rostfria also offers lining services for basins, water reservoirs and pulp vats. We are licensed in the use of rivet and nail techniques.

Production

All our welders have the appropriate certificates and licences for the materials used in production. In addition to standard methods we are also competent in the use of titanium and EN 1.4547 (previously known as SS 2378/254 SMO). Welding is done both manually and at automated stations.

Workshop products

Björks Rostfria AB has a modern, purpose-built machine park. All we need from you are specifications.

Prefab and montage

Prefabrication has rational, qualitative, time-related and financial advantages.

Membrane filtration

Membrane filtration has long been used for desalinating seawater. Today, new types of membranes are used for contaminated water and drinking water purification.

Quality and environment

Björks Rostfria AB works in accordance with the ISO 9002 and ISO 14002 standards.