

Resourcing the world



Sustainable Water Solutions for District Cooling

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WATER TECHNOLOGIES

Sustainable Water Solutions for District Cooling

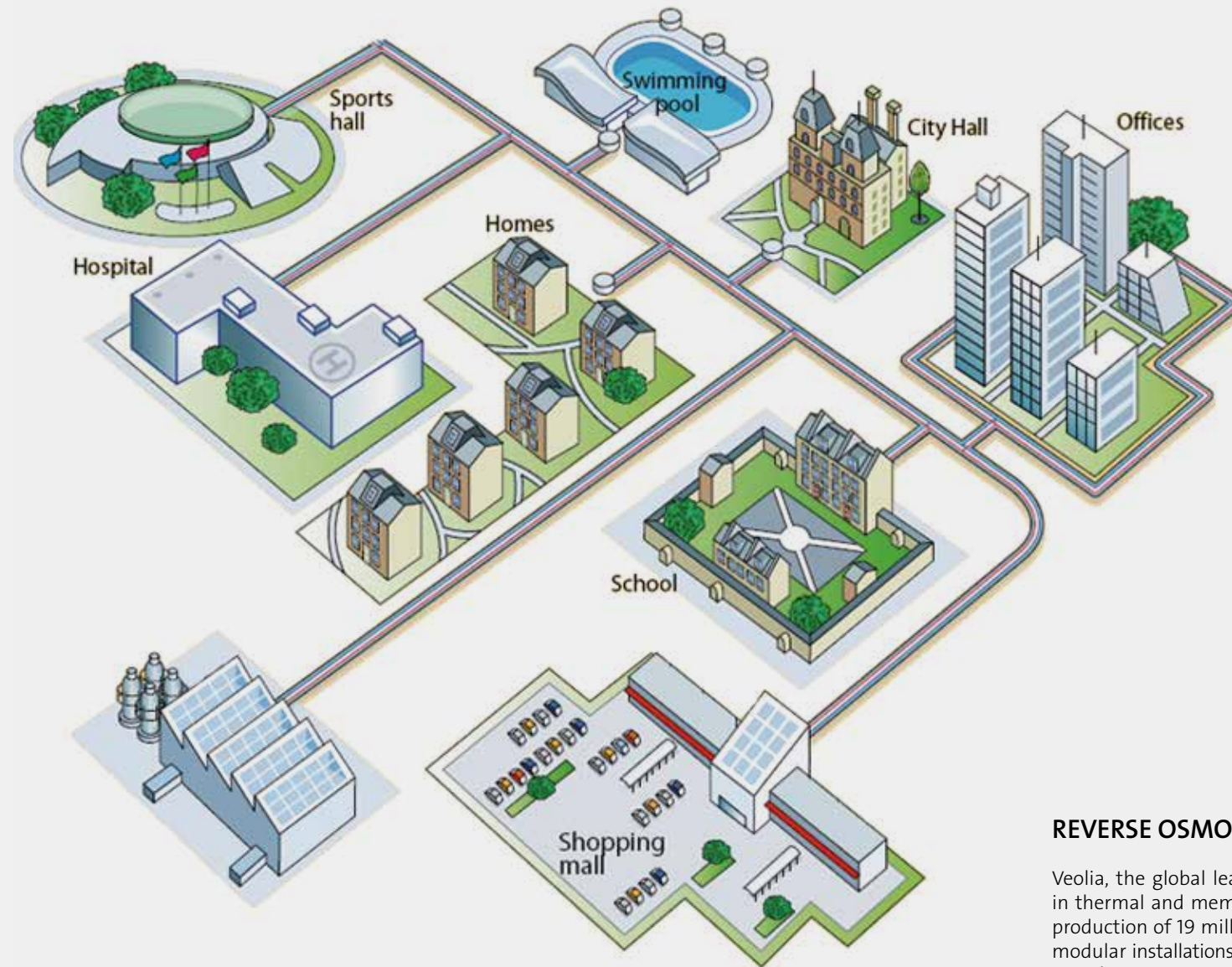


HYDROTECH DISCFILTER

The Hydrotech Discfilter is a mechanical, self cleaning filter that offers a large filter area in a small footprint. Flexible, compact and with a modular design, Hydrotech Discfilters are the best microscreen filters for fine solid removal and product recovery on the market today.

Features & Benefits

- Accredited with title 22 US Health Service approval
- Reliable: Consistently produces quality effluent despite high-solids loadings, upsets and backwash cycles; more than 1000 installations worldwide
- Compact: Requires less space than other conventional technologies
- Simple and affordable: Easy to operate, with operational and capital costs lower than other technologies
- Available either as a packaged plant or for installation in concrete structures
- Modular design
- No downtime for backwashing as service continues even during backwashing
- Low backwash flow
- Small carbon footprint
- Less environmental damages



ULTRAFILTRATION/ REVERSE OSMOSIS (RO)



ULTRAFILTRATION

Ultrafiltration is a pressure driven membrane technology in which particles, suspended solids, colloids and macromolecules are separated from a liquid feed stream upon passage through a porous semi permeable membrane. The separation is based primarily on the size of the species in the liquid relative to the size of the membrane pores (ie through a simple sieving process).

Features & Benefits

- Modular design
- Robust and proven technology
- Physical barrier filtration, ideal as pre-treatment to RO plants in seawater & Treated Sewage Effluent recycling applications
- Fully automatic operation
- Smaller footprint

REVERSE OSMOSIS

Veolia, the global leader in water treatment, has over 100 years of proven experience in thermal and membrane desalination and the leading capacity in the market with a production of 19 millions of m³/d. Our first class reverse osmosis references range from modular installations to large turnkey plants with capacities of up to 350, 000 m³/d. Veolia provides its customers with a full range of solutions tailored to their specific desalination requirements.

Features & Benefits

- Design & Build and packaged plants
- Adapting water intake to local environment
- Providing customized pre-treatment solutions
- Selecting RO membrane technology
- Supervising post-treatments to fulfill high standards
- Reducing environmental impact of concentrates
- Optimizing energy recovery
- Modular & robust technology



HYDREX™ WATER TREATMENT CHEMICALS

A complete program to optimize the entire water cycle, including chemical, operating and maintenance costs. Hydrex™ extensive chemical range offers series of high performance chemical formulations for preventive and complete safety programs applicable to cooling water and boiler water systems as well as to protect Reverse Osmosis plants.

Features & Benefits

- Occupation Health & Safety risk identification, including legionella control programs
- Protecting water treatment systems against scale deposition, corrosion, fouling, etc...
- Reducing unnecessary downtime
- Ensuring optimum productivity
- Reducing or preventing environmental risks
- Optimizing energy saving

ADDITIONAL SERVICES

- Customized water treatment solutions
- Automatic and Manual Dosing Systems
- Different type of controllers and Monitors for cooling towers and chillers
- Consumables, Media filter, Activated Carbon, softening salt, Filter cartridges and ion exchange Resins
- Analytical Services on site and in our lab
- Reverse Osmosis membranes autopsy

