

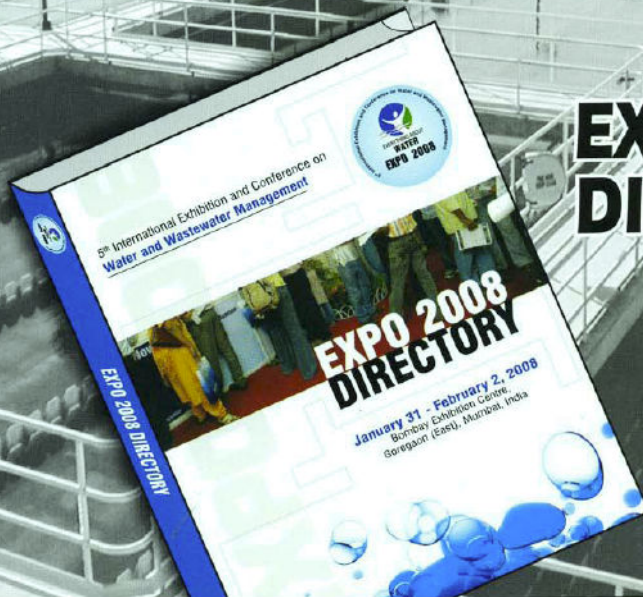


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# EVERYTHING ABOUT WATER

## Water Treatment

## EXHIBITOR DIRECTORY



## Developing Ultrafiltration

By Degrémont Technologies (SUEZ)



18 modules 1,500m<sup>3</sup>/day

UF is a physical process where the stages of clarification and filtration are carried out simultaneously. The wall acts as a filter for all particles larger than 0.01 micron: pollen, algae, parasites, bacteria, viruses, germ and large organic molecules producing pure water.

UF membranes today bring new solutions to water specialists for the treatment of water. They allow the reduction of dye in stages and permits reliable treatment in terms of quality improving the effectiveness. Degrémont Technologies-Aquasource, a specialist in UF technology, offers its products and services for water treatment distributors in both municipal and industrial spheres. Its solutions have applications in both drinking water (ground water, surface water and polishing) and process water (bottling, prior treatment of RO, semiconductor, cosmetics, pharmaceuticals, food and beverages).

### Municipal market

With increasingly strict standards for water quality, constant increases in the volume of water to be treated and increasing pollution of resources; organisations involved in drinking water production are counting on research to provide well developed and effective techniques. UF, in the present scenario, is clearly a major step forward for all in the sector who are concerned about:

- Offering water of constant and irreproachable quality, regardless of the quality and turbidity variations of the water to be treated. As physical barriers, UF membranes, with a 0.01µm cut off value, retain all micro-organisms (bacteria and viruses).

- Contributing to the respect of environmental equilibria as a purely mechanical process, UF reduces the use of chemical products and treatment wastes, while maintaining the mineral equilibrium of water.

### Industrial market

Food, pharmaceutical, cosmetic, semiconductor and beverage industries need higher quality water for their processes. UF systems are designed to provide the best available pre-treatment technology (with demineralisation or RO) and ensure the best removal of particles and micro-organisms, with a turbidity of less 0.01NTU.

Degrémont Technologies-Aquasource, developed a new process and range of UF units known as the Ecoskid<sup>PM</sup>. These units have been developed to give operators an economical alternative to the conventional UF units on the market. These compact, automated and autonomous units are capable of producing 20–150m<sup>3</sup>/h per unit having:

- The lowest cut off value on the market (0.01µm)
- Constant quality water (regardless of the fluctuation of raw water)
- Turbidity less than 0.1NTU
- Balance of mineral salt maintained
- Low consumption of energy