Ultragreen™

biological purification by ultrafiltration flat sheet membranes recommended for installations up to 100,000 PE

Urban wastewater

guarantee the water quality beyond the highest standards, even in the case of strong seasonal fluctuations

Performance and savings

- a quality treatment optimized by ultrafiltration, flexibility and modular design, providing investment savings

Sustainable development

- protection of nature, local populations and water resources

Innovation

use of membrane technology to better control the separation of water and sludge

Ultragreen™ is a wastewater treatment process (residential and industrial) by ultrafiltration flat sheet membranes. Particularly well adapted to small installations of less than 100,000 PE, Ultragreen™ combines biological treatment with membrane filtration.

Key figure

Ultragreen™ works with high concentrations up to 15 g/L
Ultragreen™ technology . . .

Ultragreen™ combines both a biological treatment using activated sludge and a clarification by immersion of flat sheet membranes. Water to be purified enters into a reactor where it is put in contact with a purifying bacterial mass before passing through the membranes.

**A boosted elimination of suspended solids:** Ultragreen™ functions according to the out / in principle of immersion filtration, in other words a filtration flow from exterior to interior.

In this process the membranes are mechanically reinforced flat sheets and are assembled in modules and set within racks which are placed one next to the other in an immersion tank.

These flat sheet membranes have a 0.08 µm nominal pore size, which creates a true physical barrier for the elimination of bacteria, and helminth eggs, and a reduction in fecal coliforms.

. . . what it can do for you

- **performance**
  - production of a quality effluent
  - flexibility and modular design well adapted to small sites

- **sustainable development**
  - protects nature and its biodiversity with an effluent quality that allows discharge in protected zones
  - population protection with a guarantee of sanitation safety
  - protection of resources thanks to the option of reusing effluent for specific needs (irrigation, watering city parks and gardens, etc.)
  - compact size reduces the environmental footprint

- **safety**
  - a totally automated function assuring the safety of operating partners

among our references

- **Val d’Arly, France**
  - capacity: 29,000 PE
- **Cogolun-Gassin, France**
  - capacity: 45,000 PE
- **Saint-Barthélemy, France**
  - capacity: 3,500 PE