

# Ultrazur™ ZW1000

ADVANCED CLARIFICATION WITH IMMERSED  
ULTRAFILTRATION MEMBRANES



DRINKING  
WATER



## INTEGRATE A “BACTERIOLOGICAL BARRIER” FROM THE CLARIFICATION PHASE

**+** **READINESS**  
A compact technology  
offering a large flexibility  
of integration

**+** **PERFORMANCE**  
A guaranty of consistent  
water quality



# INNOVATION

AN ALTERNATIVE SOLUTION TO SAND FILTRATION FOR HIGH-PERFORMANCE CLARIFICATION.

## KEY FIGURE:

An ultra-fine filtration

# 500x

superior to sand filtration.

## Ultrazur™ ZW1000 TECHNOLOGY...

Ultrazur™ ZW1000 makes up part of an advanced clarification system.

This superior ultrafiltration technology can be integrated after settling or flotation.

**A solution for maintaining uniform quality of water:** The Ultrazur™ ZW1000 system operates on an Out/In filtration principle with immersed membranes. Filtration through the membranes flows from the exterior towards the interior. The membranes are clustered into modules assembled in racks positioned alongside one another immersed in a gravity-feed tank. To maintain the filtration efficiency, backwashing of the membranes is required. This is performed through a backflow injection of ultrafiltered water combined with simultaneous aeration followed by tank drainage.

This cleaning unclogs matter accumulated on the external membrane walls and discharges it from the tank.

Regular chemical washes conserve the original permeability of the membranes.

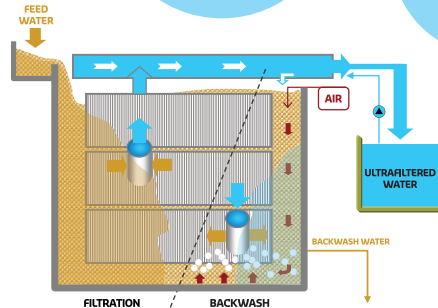
All operations are entirely automated.

## AMONG OUR REFERENCES:

- Macao MSR, CHINA (60,000 m<sup>3</sup>/d capacity)

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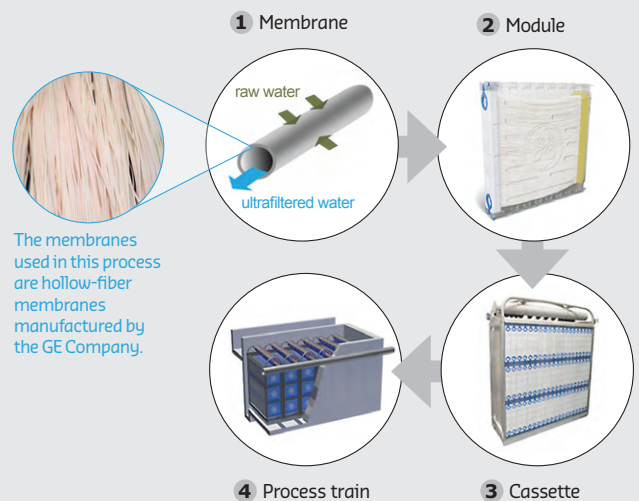


The Ultrazur™ ZW1000 model, from our range of water treatment systems by ultrafiltration membranes, is dedicated to the production of drinking water.

It is particularly well adapted to drinking water plants with a capacity > 50,000 m<sup>3</sup>/d.

## ...WHAT IT CAN DO FOR YOU

- + FLEXIBILITY AND EASE OF USE:**
  - Flexibility of integration due to the compact form
  - Fully automated function
  - Possibility of adding modules to augment production
- + PERFORMANCE AND QUALITY:**
  - Consistent quality of the treated water
  - Low dosage of chlorine in discharged water
- + HEALTH AND SAFETY:**
  - Excellent bacteria barrier



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