

# **Ultrazur<sup>™</sup> Smartrack<sup>™</sup>**

drinking water production with pressurized out / in ultrafiltration modules

## **O** drinking water



increase drinking water plant scalability with interchangeable ultrafiltration modules

## o flexible integration

a standardized, industrialized system for easier installation

### o savings

the high performance of ultrafiltration at controlled costs

#### innovation the only universal rack with interchangeable ultrafiltration modules

#### Each rack is made up of 3 parts:

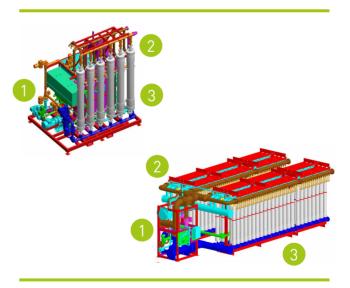
- the facade (called the "valve racks") where the valves, instrumentation and electrical connections are located
- 2 "inter-piping" or the 3 networks that connect the rack
- 3 the "module rack" where the ultrafiltration modules are attached

# key figure

module compatibility with the



main suppliers to the market





## Ultrazur™ Smartrack<sup>™</sup> technology . . .

Ultrazur<sup>™</sup> Smartrack<sup>™</sup> is a rack, capable of accomodating ultrafiltration membrane modules of different brands, presenting varied dimensions as well as different connections.

The rack can accommodate the 4 principal module supplier brands found on the market: ASAHI, DOW, GE, TORAY and inter-piping to allow switching the filtrate / retentate exits.

Ultrazur<sup>™</sup> Smartrack<sup>™</sup> is adaptable to any plant size as it is able to handle a capacity of 200 to 22,000 m<sup>3</sup> / day per rack.

integrity test

The Ultrazur<sup>TM</sup> Smartrack<sup>TM</sup> system functions on an out / in principal (filtration from the exterior towards the interior of the membrane) in order to treat directly settled or floated water.

Please note that interchangeability is based on approvals obtained in each country.

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#### ... what it can do for you strategic and economic interest • freedom to choose suppliers and membranes o control ultrafiltration renewal cost o return on investment: the installation of new membranes requires no modifications to the installation flexible integration **O** pre-assembled, rack elements are easy to 0 transport • standardized, industrialized system that reduces delivery and start-up time ease of operation 0 • easy maintenance: disposition of modules in staggered rows to simplify accessibility • all equipment (valves, pumps and electrical connections) are on the front o data logging health and safety O 0 remote monitoring and data transfer allowing ultrafiltration constitutes an excellent trend analysis bacteriological barrier • regular verification of fibers using an automated