

# Nanofiltration & Reverse Osmosis



## SITE BUILT FOR LARGE CAPACITIES

The “site built” concept for membrane treatment systems consists of assembling the system’s components directly on the site selected for the facility, adapting the design to the available space.

In comparison to pre-assembled systems, which are manufactured in the factory and mounted directly onto a skid frame, site built systems require a much more detailed approach in terms of design, drawings, and project execution. This approach can lead to significant savings on project costs.

H<sub>2</sub>O Innovation® is constantly seeking new solutions, so as to provide its clients with superior design and construction options for site built filtration systems. Its in-house expertise has enabled H<sub>2</sub>O Innovation® to successfully complete numerous large-scale projects.

### NF/RO INSTALLATION

During a site built installation project, each piece of equipment is delivered directly to the site, and assembly must follow a detailed logistical plan. To carry out such projects, it is vital to have full control of the following aspects:

- Strict purchasing and shipping procedures
- Detailed drawings showing each of the system’s critical sections
- Meticulous site management to ensure close supervision of workers
- Experienced project managers who understand the process
- Sample and instrument panels already pre-assembled at the factory prior to shipment
- Understanding of best engineering practices and the best methods for cleaning the membranes



1. OCWR (71 MGD)  
2. NAWA (5 MGD)

## H<sub>2</sub>O INNOVATION®'S EXPERTISE

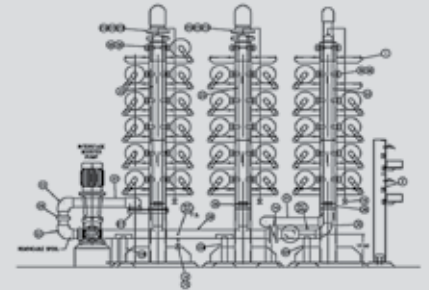
H<sub>2</sub>O Innovation® has the know-how and expertise in water treatment technology to find a solution to every problem that may arise in providing the desired standards of water quality.

Depending on your needs, H<sub>2</sub>O Innovation® can supply one or all of the following services:

- Design:
  - . Membrane filtration systems
  - . Distribution and collection manifolds
  - . Pre- and post-treatment
- Site supervision
- Start-up
- Optimisation
- Operation
- Project financing
- Project guarantees
- Drawings
- Purchasing
- Supply of all or a portion of the equipment
- Overall project management
- Manufacture and pre-assembly at our factory
- Installation

## HIGHLIGHT PROJECTS

- **Orange County (OCWR), CA** – 70 MGD (264,978 m<sup>3</sup>/d)
- **City of Deerfield Beach, FL** – 13.125 MGD (49,683 m<sup>3</sup>/d)
- **Alameda County Water District, CA** – 10 MGD (37,854 m<sup>3</sup>/d)
- **City of Boynton Beach, FL** – 8.7 MGD (32,932 m<sup>3</sup>/d)
- **East Cherry Creek, CO** – 7.6 MGD (28,769 m<sup>3</sup>/d)
- **City of Miramar, FL** – 7.5 MGD (28,390 m<sup>3</sup>/d)
- **City of Scottsdale, AZ (16-inch vessels)** – 7.2 MGD (27,254 m<sup>3</sup>/d)
- **Oxnard, CA** – 6.25 MGD (23,658 m<sup>3</sup>/d)
- **City of Los Angeles, CA** – 5 MGD (18,927 m<sup>3</sup>/d)
- **Northern Area Water Authority (NAWA), OH** – 5 MGD (18,927 m<sup>3</sup>/d)
- **East Bay Mud, CA** – 4 MGD (15,141 m<sup>3</sup>/d)
- **West Basin Municipal Water District, CA** – 3.5 MGD (13,249 m<sup>3</sup>/d)
- **City of Palm Bay, FL** – 3.4 MGD (12,870 m<sup>3</sup>/d)
- **City of Winkler, MB** – 1 MGD (3,785 m<sup>3</sup>/d)



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