

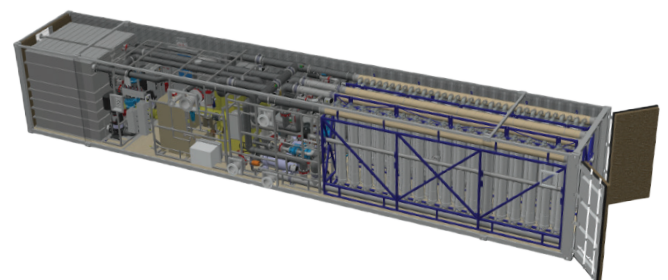


**PRE-ENGINEERED
FAST INSTALLATION
FULL-FEATURED PLANT**

FLEXBOX

Containerized Ultrafiltration System

The **FLEXBOX UF™** incorporates all the components of a complete Water Treatment Plant on site arrival. Fully factory tested, units are quickly deployable for emergency treatment, temporary capacity increase and scheduled equipment maintenance.



Intellogx™ Enabled

- Remote access to all HMI functions
- 24/7 monitoring and alarm call-out
- Store, visualize and analyze operational data in graphs and dashboards to enable quick decisions and optimize performance
- Automated report generation on Key Performance Indicators

Applications

- Drinking water
- Wastewater Reuse
- Boiler Feedwater
- Ion Exchange Pretreatment
- Mine Process Water and Remediation
- Can be combined with the Flexbox RO as pre-treatment

Overall Design

- Two (2) trains
- Nominal net capacity of 1.25 MGD (4.75 MLD) per train
- Toray HFUG2020AN membranes
- 90-97% Recovery range



Equipment

- 200 µm Feed Strainers – one per train
- Integral backpulse system with pump and tank
- Integral CIP system with pump, heater and tank
- Chemical dosing skids for fully automated cleans and neutralization (pH and ORP)
- Feed and permeate turbidimeters per train
- Automated Membrane Integrity Test
- Compressor, air receiver and dryer

Automation

- Compact Logix Allen Bradley PLC
- 19" HMI
- VFDs on feed, backwash and CIP pumps for maximum control and power efficiency

Container Specifications

- Dimensions: 53ft L x 8.5ft W x 9.5ft H
- Minimum Inlet pressure requirement of 15 psi (100 kPa)
- HVAC
 - Fully insulated to R20
 - 25,000 BTU/HR Cooling and 16,000 BTU/HR Heating
- Power:
 - 480VAC, 60 Hz, 3 Phase
 - 400 Amps FLA
- Weight:
 - Shipping: 56,000 lbs
 - Operating: 95,000 lbs

