

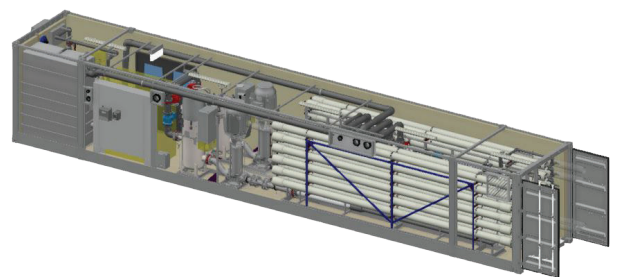


**PRE-ENGINEERED  
FAST INSTALLATION  
FULL-FEATURED PLANT**

# FLEXBOX

Containerized Reverse Osmosis System

The **FLEXBOX™ RO** 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 UF-Flexbox as pretreatment

## Overall Design

- Typical permeate flow of 800 gpm (400 gpm per train)
- Two stage 8:4 array
- 7 element vessels
- Max. operating pressure: 440 psig
- 75-85% recovery range



## Equipment

- Cartridge filter on feed water and CIP
- Capabilities of throttling first stage permeate
- Integral CIP system with pump, heater and tank
- 2 chemical dosing skids configurable for antiscalant, and sulfuric acid. Other chemicals may be added as needed.

## Automation

- Compact Logix Allen Bradley PLC
- 19" HMI
- VFD on feed and CIP pumps for power efficiency
- Fully automated flow control to maintain permeate flow and recovery setpoints
- Automated feed and permeate flush

## Container Specifications

- Dimensions: 53ft L x 8.5ft W x 9.5ft H
- Minimum Inlet pressure requirement of 40 psi
- HVAC
  - Fully insulated to R20
  - 25,000 BTU/HR Cooling
  - 16,000 BTU/HR Heating
- Power:
  - 460VAC, 60 Hz, 3 Phase
  - 600 Amps FLA
- Weight:
  - Shipping: 45,000 lbs
  - Operating: 75,000 lbs

