

# Ultrafiltration Membrane Systems

## VersaFilter™ UF Pilot/Rental Unit

### System Number R210

WesTech ultrafiltration membranes provide reliable, high-quality solutions for potable and process water treatment that is targeted to your needs. Our pilot plant is used to demonstrate performance, test specific criteria, and verify design parameters for full-scale systems. Additionally, the system can be rented for temporary use.



### Pilot Specifications

Flow range	10-100 GPM
Module compatibility	Toray HFU-2020AN, Dow SFD-2880XP, Scinor P80/P72, Inge Dizzer XL 0.9 MB 70W, Nanostone CM-151
Module capacity	2 per type, 4 total
Panel power supply	480V/60Hz/3ph, 52 FLA
Operational control	Automatic
Shipping weight	2,500 lbs
Skid dimensions	11'-6" L x 5'-0" W x 11'-10" H
Shipping height	7'

### Features / Components

Feed pump	10 HP
Backwash pump	10 HP

### Connection Sizes

Feed	4" flange
Filtrate	3" flange (2)
Backwash supply	4" flange
Backwash waste	3" flange
Concentrate	3" flange
Air supply	1" flange
Sample sink drain	1/2" ID tubing
Turbidimeter drain	1" ID tubing

Contact WesTech today to learn more about our capabilities or to implement a pilot test at your facility. Our responsive engineering team will help facilitate scheduling and pilot setup of the ultrafiltration pilot plant.

### The R210 Pilot Plant With Two Trains Includes:

- Feed and backwash supply tanks
- 200 µm pre-strainer
- Ultrafiltration membranes
- Integral CIP and maintenance cleaning system
  - Sodium hypochlorite pump
  - Citric acid pump
  - Hydrochloric acid pump
  - Sodium hydroxide pump
- Instrumentation:
  - Feed turbidimeter
  - Filtrate turbidimeters (2)
  - Feed flow meters (2)
  - Filtrate flow meters (2)
  - Feed pH transmitter
  - Temperature transmitter
- Pressure decay test capable
- Remote monitoring / data acquisition
- Pretreatment pumps (2)
- Air compressor