

Ultrafiltration Pilot Unit

Pilot Plant R212

WesTech ultrafiltration (UF) is the solution for reliable high-quality water production for potable water, wastewater, reuse, and industrial process applications. A pilot is used to demonstrate performance, test specific criteria, and verify design parameters for full-scale systems.

Applications:

- Potable Water
 - >99.99% Crypto/Giardia Removal
- Tertiary Wastewater
- Industrial Process Water
- Small Communities and Camps
- Sites with Footprint Constraints
- Pretreatment to RO/NF
 - Filtrate SDI <3



Pilot Specifications

Flow Rate	5 - 75 gpm
Dimensions	11'- 4" L x 4'- 10" W x 11'- 1" H
Shipping Weight	3,500 Pounds
Power Requirements	480 V, 3 ph, 60 Hz, 30 amp or 240 V, 1 ph, 60 Hz, 100 amp
Connection Sizes	2" Flange - UF Feed 2" Flange - Filtrate 2" Flange - Backwash waste/Drain
Operational Control	Automatic

Contact WesTech today 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 R212 pilot plant includes:

- Feed and backwash supply tanks
- Feed and backwash supply pumps
- 200 µm pre-strainer
- Ultrafiltration membranes
- CIP and maintenance cleaning system
- Membrane integrity monitoring
- Automatic control system
- Instrumentation:
 - Feed turbidimeter
 - Filtrate turbidimeter
 - Flowmeters
 - Pressure transmitters
 - pH transmitter
- Compressed air system