

A3-USA Commercial & Residential MBR Systems



A3-USA, Inc.

1350 Biddle Ave
Westmoreland City, PA 15692
Phone: 724.871.7170
Fax: 888.525.9458
sales@a3-usa.com
www.a3-usa.com

A3 Northwest, LLC

61876 Dobbins Rd
Bend, OR 97702
Phone: 503.473.6419
Fax: 888.525.9458
sales@a3nw.com
www.a3nw.com

**Water and
Wastewater
Membranes**

A3-USA Commercial & Residential MBR Systems

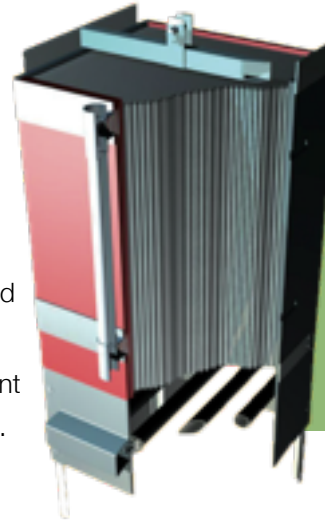
State-of-the-Art Technology

The application of membrane bioreactor (MBR) technology represents the state-of-the-art technology for treating biological wastewater. While conventional treatment processes focus on the degradation of organic contaminants and nutrients such as nitrogen and phosphorous, MBRs also reject turbidity and microorganisms. This generates high-quality reuse water. MBR plants are extremely compact in size due to their high level of biomass and elimination of clarifiers.

Further, the modular nature of membrane modules provides for very flexible plant concepts that can “grow”, allowing investments to be made only when needed.

Decentralized MBR Approach

A3 has successfully scaled MBR technology to meet the wastewater treatment needs of small communities, commercial developers, and even residential homeowners. Simplified controls and cost effective, customized designs enable us to offer superior effluent quality at a very competitive price.



Benefits

- Continuous superior effluent quality
- Compact footprint
- Scalable
- Class A reuse water
- Easy operation
- Low maintenance
- Disinfection equipment is reduced or eliminated



Septic tank effluent versus MBR effluent for a residential MBR system in Oregon



2,000 gpd decentralized on-lot MBR plant for a grocery store and a restaurant in Pennsylvania

Achievable Effluent Values

