

0015

Testing Protocol for Membrane Separation Applications

Status: Accepted

Category: 2 Filter Testing

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The crossflow pressure-driven membrane separation technologies of microfiltration, ultrafiltration, nanofiltration and reverse osmosis offer significant advantages over traditional treatment technologies in chemical processing and wastewater treatment applications.

To develop complete membrane system design data, it is necessary to perform thorough and comprehensive testing on the specific stream to be processed.

This presentation will describe the membrane separation technologies, including polymers, device configurations and system design factors. The testing requirements will be detailed, including cell, applications and pilot testing. Typical testing protocol will be presented.

A glossary of membrane terminology will also be provided.

Bio

Peter Cartwright is a consulting engineer with 36 years of experience in the water and wastewater treatment industry. He has had his own consulting engineering firm since 1980.