

Seminar: Membranfiltrering

Innovative troubleshooting tool for membrane systems

Introducing the Tetra Pak
Membrane Scope

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Tetra Pak® Filtration Solutions





Troubleshooting Objectives

1

Identify Cloudy Permeate 3

Select method of detection

2

Isolate Leaking loop and vessel

4

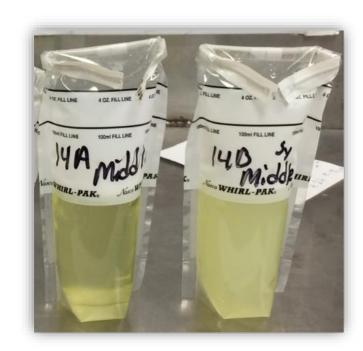
Identify source, location and serial number of Leaking element



Membrane Failures.... Leaking

Leaking / Low Rejection









Identify system stage and location of leaker

Which loop is cloudy







Identify which vessel is cloudy

- Vessel or vessels are cloudy within loop
- Visual or instrumentation help verify conductivity





Isolate permeate stream from leaking vessel

- Cap and clamp header
- Hose permeate to tank or drain

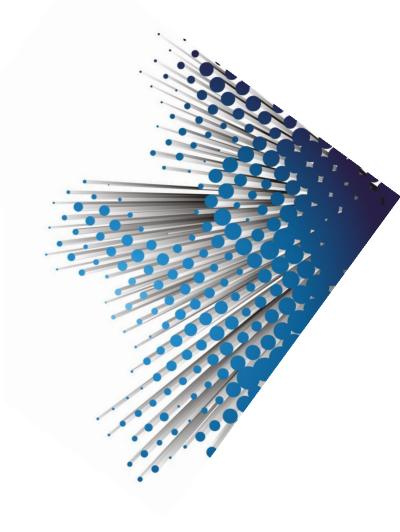




Tetra Pak Membrane Scope

 New tool for troubleshooting and diagnosis of leaking membranes







Tetra Pak® TetraScope – Spiral membrane diagnosis tool

Features

- No system down time to perform testing
- User friendly, reduces mess and challenges of traditional probing
- Positively and accurately identify location of failure
- No unnecessary wasted labor time
- Take snap shot pictures and record video of membrane leaking
- Warranty claim prior to membrane removal









Identify Exactly where the membrane is leaking

Identify which and where the membrane is leaking

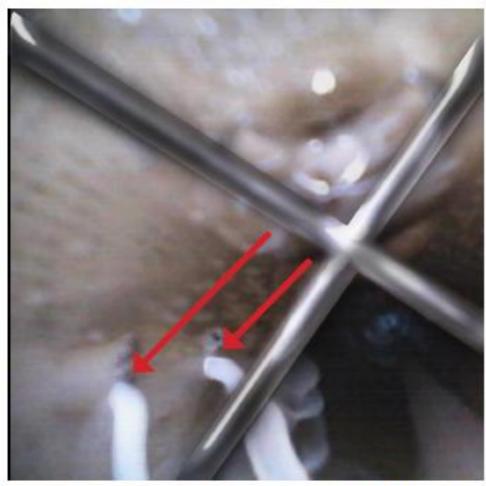


Image depicting an element failure in a milk RO system (Feed product leaking through the permeate tube holes)





Tetra Pak® MembraneScope – Video demonstration





Tetra Pak® Membrane Scope Spiral-wound membrane leak detection kit (P/N 90525-1443)





Questions?

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