

Restoring Filtration Performance and Reducing Costs With Expert Pressure Leaf Cleaning

Challenge

Lowering operational costs and keeping process uptime to a maximum are common challenges in today's competitive landscape. Recently, an oil and gas energy company, which recycles 96% of the water used in their secondary recovery water injection, asked us to help them reduce the cost of this process.

Recycling this process water requires the use of Pressure Leaf Filters. The water itself has several contaminants including oil which tends to blind the individual Filter Leafs and greatly reduce flow.

The Pressure Filter Leafs were being sent out for rebuilding on a regular basis because the reduced flow was significantly impacting their operation.



Before

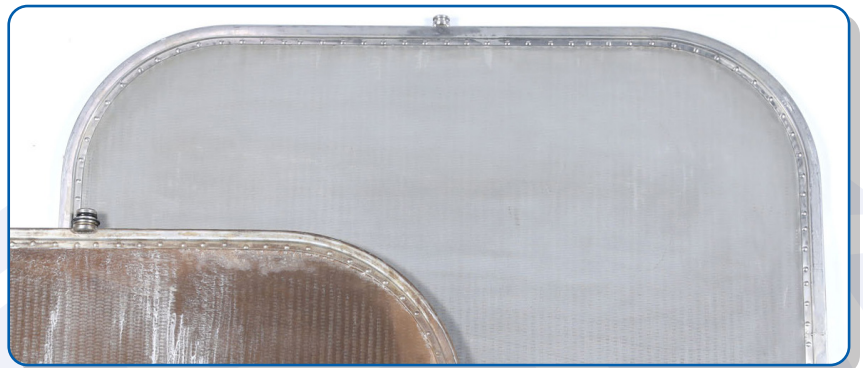
Solution

The Micronics Team went onsite and performed a thorough inspection of the process and sample leaves were sent to our trusted Pressure Leaf facility in Salt Lake City, UT. The leaves were inspected and we determined that if the Pressure Leafs could be cleaned rather than rebuilt, the original flow characteristics could be restored to 99% of new.

Micronics' Pressure Filtration R&D team developed a proprietary process to clean pressure leaves on a large scale, reducing the number of times they had to be rebuilt and rescreened. This process does not damage the filtration screen on the pressure leaves and restores them to a like-new condition. Micronics' proprietary cleaning resulted in a 75% reduction in costs for the facility's filtration operation and a dramatic increase in process up time for this energy producer.

Our proprietary Pressure Leaf Cleaning is being utilized to reduce production costs in a host of industries including in food processing industries such as Edible Oils and Winemaking.

Contact the Micronics Engineered Filtration Group and let our team of filtration experts put our Pressure Leaf Solutions to work in your operation. Micronics' proprietary process is safe for all Pressure Leaf applications in food processing.



After