

## [CS-PRO-ROL-01]

Customer: Undisclosed Dairy/Cheese Plant

Location: Wisconsin

Product: Cheese and Whey products

Metrics: 2.7 Million lbs/day of milk intake

Membrane type: Spiral Dairy Polisher

### **PROJECT OVERVIEW:**

Install a space saving, low cost polisher system to polish RO permeate and COW water, the goal was to produce high quality water for use in the plant.

### **THE CHALLENGE:**

Complete Filtration Resources was asked to engineer a polisher system to fit inside a tight room layout. Furthermore, it was to be done on a tight budget and quick turnaround, polishing not only the RO permeate but the COW water from the existing evaporator as well. The COW water presented a unique challenge as the temperatures during certain times of the production exceeded the acceptable temperatures for the use in a spiral system.

### **THE SOLUTION:**

Complete Filtration first ran comprehensive designs to address the need to reclaim the high volume of water with acceptable recovery. We then we looked at the space we had to work with. The resulting analysis lead us to choose a vertical design utilizing a modular approach. We were able to bring the skid into the room in a building block fashion, while keeping site fabrication to a minimum. With a vertical layout of the stages, we saved valuable floor space and still left room for access and maintenance operations. Utilizing a modular design, we are able to install our systems in a compact area, resulting in a more efficient install and cost-effective overall system. Coupled with our years of engineering know-how, unparalleled project management, controls and technical team, we are able to solve our customer challenges. We thrive on every challenge we are presented, and draw from our extensive pool of knowledge and personnel to find unique solutions suited for our customers, which in turn, allows them more time to focus on operating their plant. How can we help implement YOUR vision?