Niro Filtration

Salt Brine Concentrator

Niro Filtration has developed a Salt Brine Concentrator which addresses the cheesemaker's problems of continual increase in the volume of salt brine and wastewater disposal.

Cheesemaking operations which use a salt brine to salt the cheese can experience a common problem, a continual increase in brine volume, as the cheese expresses more water and whey into the brine than it takes out.

This situation creates a severe disposal problem for the cheesemaker as wastewater regulations restrict the chloride (present in the brine) levels in wastewater disposal.

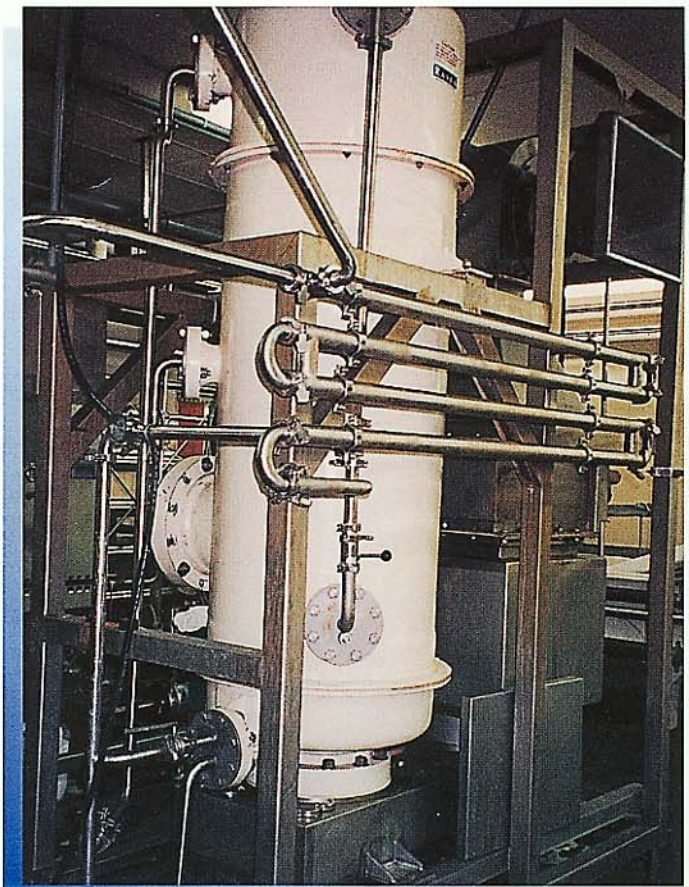
The Salt Brine Concentrator eliminates this problem by removing excess water from the brine in the form of vapor. Once the excess water is removed, the concentrated brine is returned to the brining system and reused to salt the cheese.

Most product contact surfaces of the Concentrator are fabricated with nonmetallic materials to eliminate any chance of corrosion.

The new Salt Brine Concentrator represents our commitment to develop new process technologies to assist the cheesemaker.

New Process Developments:

- Process for Processing Salty Whey or Salty Mozzarella Cooker/Extruder Water
- Salt Brine Microfiltration
- NCR (Niro Chemical Recovery)
- Salt Brine Concentrator



Salt Brine Concentrator

Niro Filtration has been a leading supplier of membrane filtration technology for more than 10 years. Plants designed by Niro are known for their latest technology, performance, and energy efficiency.

Our plants can be used to meet special liquid separation requirements by utilizing Microfiltration, Nanofiltration, Ultrafiltration, or Reverse Osmosis. The simplicity and effectiveness of the technology allows membrane filtration to be established in many diversified industries, not only for the production of special products, but also as a means of meeting environmental standards on the plant site.

As an international engineering company, Niro offers product testing and process evaluation. A range of membrane filtration pilot plants are available for this purpose. We follow process development closely and adapt our know how to design membrane filtration systems.

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