



Complete Filtration Resources, Inc.

Wisconsin Office
1932 East 26th Street
P.O. Box 253
Marshfield, WI 54449
Phone: 800-301-3254

Minnesota Office
3400 E. 34th Street
Minneapolis, MN 54449
Phone: 612-728-8907
www.gotocompletefiltration.com

KLEARFLO BRINE CLARIFICATION



APPLICATIONS

Use membranes to clarify spent brine and do away with the problems resulting from brine disposal and effluent surcharges. Brine adds unwanted sodium and chloride to our water supply, high salt concentrations interfere with microorganisms in waste treatment plants and high sodium water cannot be used for irrigation.

One of the best things to do with your brine is to recover and reuse it. Most process brines in the food and dairy industry can be recovered and reused with membranes.

Recovered brine

- ✓ Is Clear
- ✓ Is free of suspended material
- ✓ Is free of undesirable compounds
- ✓ Is free of microorganisms

RECOVERED BRINE SAVES YOU MONEY

- ✓ You buy less salt.
- ✓ You discharge less salt
- ✓ Recovered brine increases product quality

CFR can design, fabricate, and install your membrane filtration process. CFR also provides controls, programming, full start up assistance, and training. You can rely on CFR to stand behind every system that we put in. Even more, you can rely on CFR to provide full after-start up service and support if problems occur or if system modification or expansion is desired..

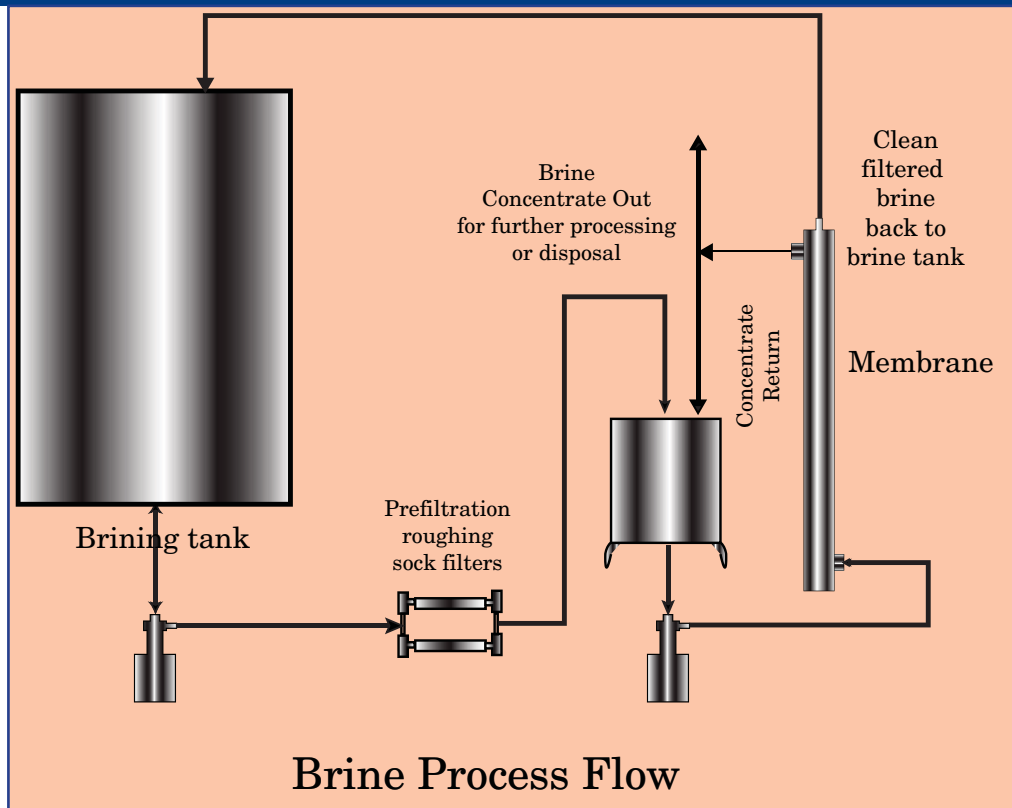


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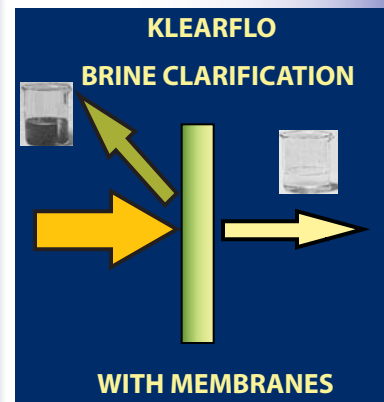
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KLEARFLO BRINE CLARIFICATION



Brine Process Flow



Clarification with Membranes

Does your brine contain unwanted suspended solids or bacteria which accumulate in the system?

Microfiltration membranes will remove these..

Does your brine contain unwanted proteins, enzymes, pectins or other large molecules that affect product quality?

Ultrafiltration membranes will remove these.

Does your brine accumulate calcium, iron or other ions that interfere with the process? Do pesticides leach out of your product and build up in the brine?

Nanofiltration membranes will remove these.

BRINE RECOVERY AND REUSE HAS MANY BENEFITS

Brine recovery takes place at your process temperatures.

Brine recovery systems can be tailored to produce the brine quality needed by your process.

Brine recovery decreases salt usage and reduces effluent/disposal costs.

Brine recovery enables you to remove suspended matter, product degrading enzymes, color impurities, yeasts, molds, bacteria, unwanted ions such as calcium or iron, silica, dissolved proteins and sugars from your brine.

Investing in clean brine is one of the best quality improvements you can make.

Membrane recovery of brine works without addition of chlorine or other chemicals which may affect product taste or quality.