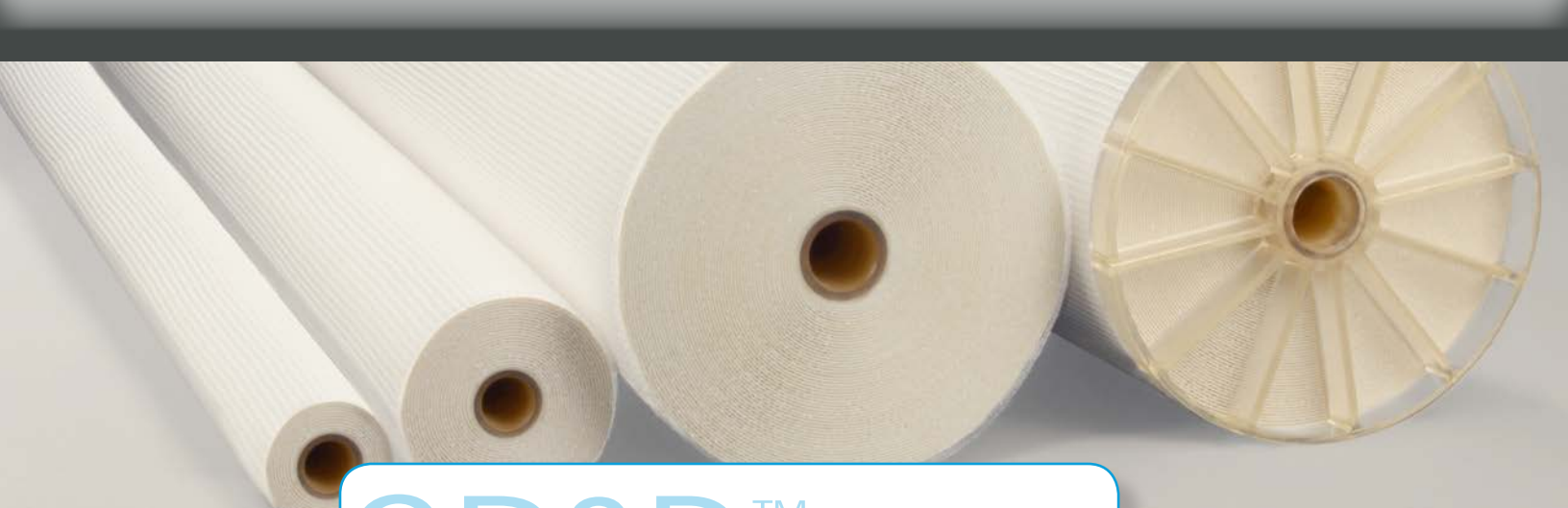


Industrial & Life Sciences



# SR3D<sup>TM</sup> Membrane

A New Dimension in Nanofiltration

**K KOCH**  
MEMBRANE SYSTEMS



TM

## Koch Membrane Systems (KMS), a leading supplier of sanitary membranes for dairy, industrial biotechnology, pharmaceutical intermediates, and food & beverage companies, introduces a revolution in nanofiltration... the SR3D™ membrane.



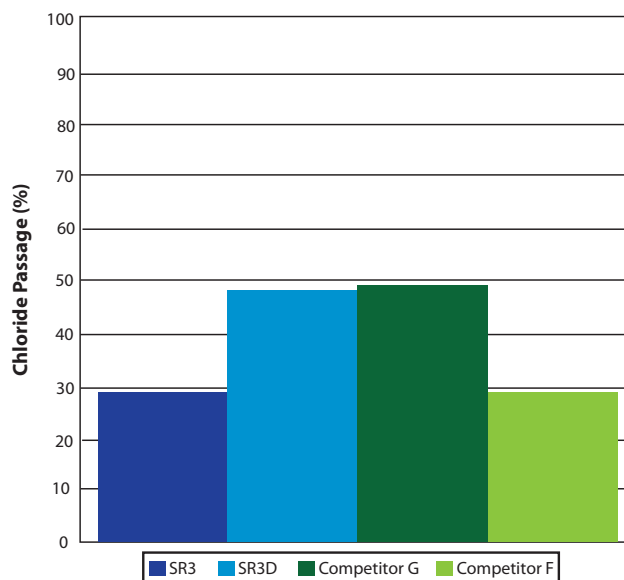
### SR3D

Not all nanofiltration membranes are the same. The SR3D membrane is designed for selective rejection when desalting and organic concentration is the objective.

- MWCO of 200 Daltons
- Conforms to USDA 3-A standards and CFR Title 21
- Proprietary TFC™ polyamide
- Sanitary spiral-wound with net outerwrap
- 4" and 8" diameter
- Maximum cleaning temperature: 122°F (50°C)
- pH range (CIP): 1.8-11.0

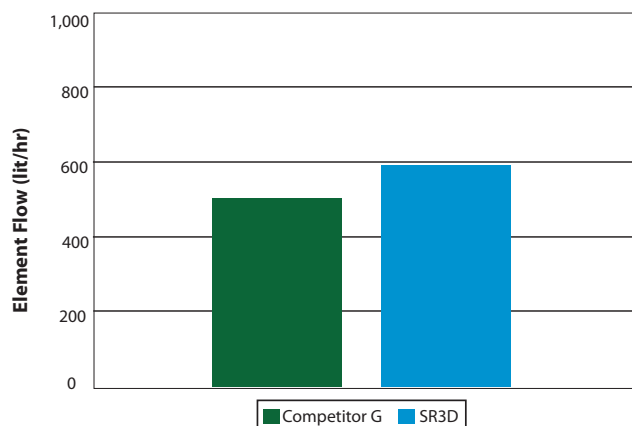
Our new SR3D nanofiltration membrane was developed for sanitary applications in dairy, food and beverage, industrial biotechnology and pharmaceutical intermediates. This unique spiral membrane is ideal for a variety of applications which include:

- Demineralization of Whey
- Concentration of Lactose
- Reduction of Alcohol
- Concentration of Sugars
- Purification of Organics
- Clarification of Pharmaceuticals
- Concentration of Enzymes



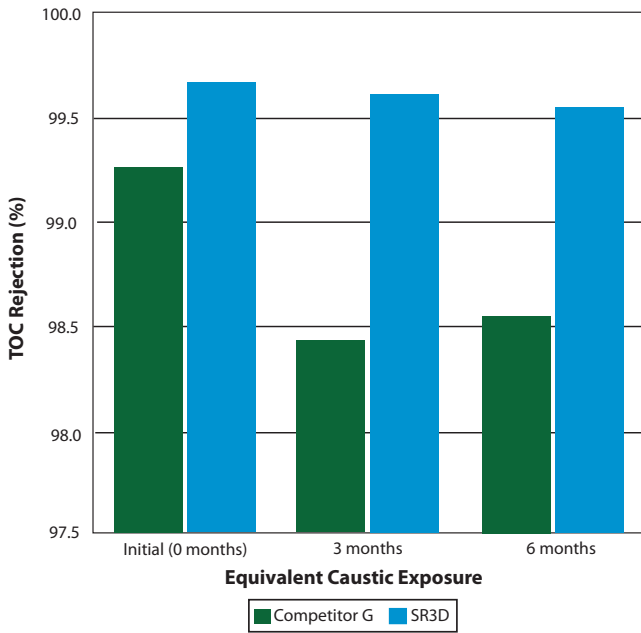
### Optimized De-ashing

Increased monovalent salt passage versus prior generation membrane allows for optimal ash content in final product.



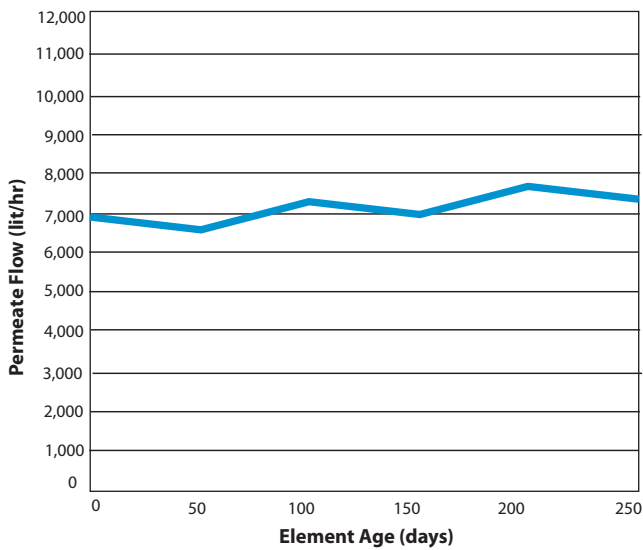
### Increased Productivity

Up to 20% higher flux than commercially available membranes allows companies to reduce operating costs.



**Long Membrane Life**

The SR3D™ membrane’s robust chemistry allows for a higher tolerance to cleaning processes, which results in longer element life.



**Stable Productivity**

The membrane chemistry of the SR3D family was specially designed for consistent flux rates over longer periods of time, saving companies time and money on element replacement costs.



**Systems and Service**

As industry leaders in membrane technology, KMS engineers are perfectly suited to customize a filtration solution to your specifications. From concept to piloting to ongoing support, we have the experience to provide an exceptional outcome.

- Standard Systems
- Custom Engineered Systems
- Technical Support
- Piloting
- Service
- KMS ASSIST™ Service and Maintenance Program

Solutions



**KMS Spiral Membrane Technology**

Sanitary spirals are widely used in the dairy, industrial biotechnology, pharmaceutical intermediates, and food & beverage industries. Spiral membrane configuration allows high rejection without compromising yield, resulting in lower cost, higher efficiency operations.



For five decades, Koch Membrane Systems, Inc. has led the way in developing innovative membrane technologies that serve a diverse range of industries and applications around the globe. KMS provides solutions to markets including industrial and municipal water and wastewater, food and life sciences and industrial processes helping thousands of industries reduce their water footprint, increase productivity, and reduce costs. With an installed base approaching 20,000 systems throughout the world, KMS is setting the standard as a comprehensive membrane solutions provider.

KMS is based in Wilmington, Massachusetts, USA with factory direct representatives around the world and manufacturing locations in Wilmington, Massachusetts and Aachen, Germany.

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