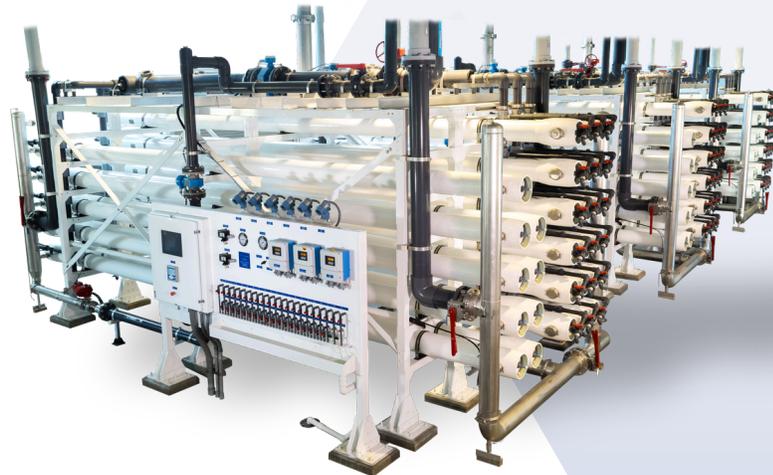


Membrane Technologies



World-class, highly-effective, versatile and dependable water purification to power your municipal and industrial needs



FULL-SYSTEM DESIGN & BUILD FOR PURIFIED WATER

Membrane technologies are a cornerstone of modern water treatment, offering reliable and effective solutions for ensuring water quality across various applications. As a crossflow technology, membrane systems use pressure to transport water molecules through semi-permeable membranes while concentrating particles, ions, and other unwanted substances before disposal, e.g., TDS, chlorine, iron, lead, nitrates, pesticides, and PFAS depending on your membrane process.

Komline membrane filtration systems include:

- **Reverse Osmosis:** Provides the most comprehensive filtration, removing nearly all contaminants, including dissolved salts and heavy metals.
- **Nanofiltration:** Offers selective filtration, removing many contaminants but allowing some minerals to pass through.
- **Ultrafiltration:** Removes smaller particles, including most bacteria and viruses, while retaining beneficial minerals.
- **Microfiltration:** Targets larger particles and some bacteria, making it suitable for initial filtration stages.

BENEFITS

- ✓ 98% removal of harmful substances
- ✓ 75-85% feed water recovery
- ✓ Supports any water —brackish, surface, well, municipal, etc.
- ✓ Full-service —build, operate, maintain
- ✓ Critical insight via Operational Intelligence

APPLICATIONS



PFAS



Drinking Water



Desalination



Data Center cooling



Industrial Process Water

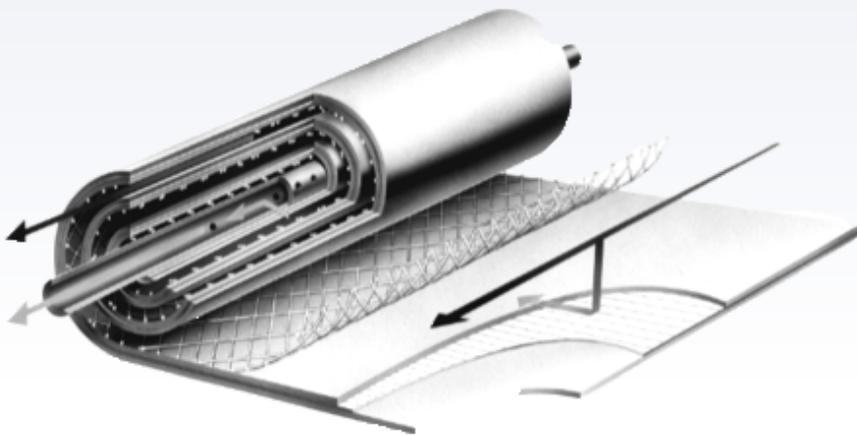
MEMBRANE TECHNOLOGY SPECIFICATIONS



Komline's Membrane Technology meets various NSF water purity requirements including NSF/ANSI 53, NSF/ANSI 58, NSF/ANSI 401, and NSF P231.

- 50 - 1,500 GPM per system
- 75-85% recovery; higher recoveries possible depending on application
- 316 stainless steel high-pressure piping, duplex or super duplex available for higher corrosion-resistance
- Schedule 80 PVC low-pressure piping, 316ss available
- FRP frame construction
- Integrated sample and instrumentation panel
- Local HMI control

DESIGNED FOR EXCELLENCE



SERVICES & PARTS

Need supplies?

Contact our sales team and ask about our extensive inventory of aftermarket supplies—membranes, antiscalant, and chemicals—to support your clean water needs. As about ProCare, our proactive service and maintenance package tailored to your operation.

Even better, ask about Operational Intelligence, our predictive analytics platform that transforms data collection into actionable information to help optimize maintenance and energy efficiency.

Komline-Harn is part of the Komline family of end-to-end separation technologies used by municipal water, agricultural, and manufacturing industries.



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