



Water & Wastewater

Solutions

Cost effective membrane technologies to treat, purify, reuse and recycle



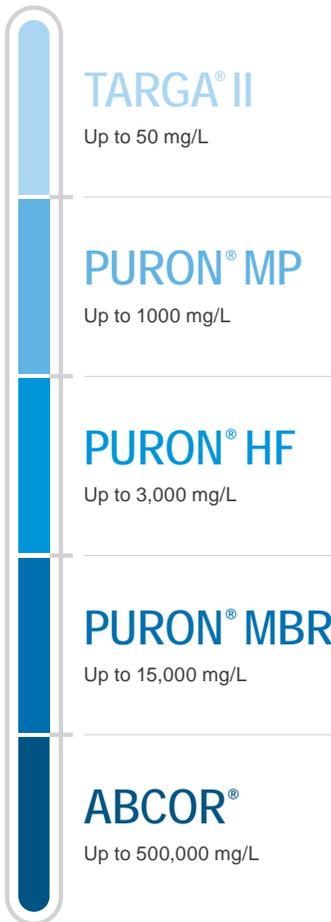
Market-Driven Solutions

We solve the world's most critical water treatment challenges. Pure and simple.

As membrane filtration emerges as the leading treatment technology for water and wastewater treatment, Koch Membrane Systems is at the forefront of its development.

Complete Solids Tolerance Solutions

Koch Membrane Systems offers a wide range of ultrafiltration products to meet any application challenge.



With water resources becoming scarcer and more contaminated, membrane filtration has become a vital technology for the treatment and reuse of water and wastewater. Koch Membrane Systems (KMS) has introduced a variety of membrane solutions into large-scale municipal applications for the treatment of water to drinking water standards and the advanced treatment of municipal and industrial wastewater.

Water drives industry. Regulatory restrictions on wastewater discharge and scarcity of high quality water, combined with corporate accountability pressures, are increasing the cost of doing business. Industries in all sectors are challenged to find ways to conserve, treat, and reuse their water and wastewater.

KMS provides a variety of cost-effective solutions to help our customers meet their water and wastewater demands.

Solutions

KMS offers membrane products in a variety of configurations, materials, and pore sizes, each designed to operate in specific applications. The membranes used in water and wastewater applications are:



HOLLOW FIBER – Hollow fiber membranes provide the advantage of high packing density with the unique ability to be backflushed. Available in both pressure-driven cartridges and submerged vacuum-driven models, inside-out and outside-in flow direction, they can be used in applications as diverse as drinking water, industrial water supply, high purity water, membrane bioreactors (MBR), pretreatment to RO and other reuse projects.



TUBULAR – With an open channel configuration capable of handling extremely high suspended solids loads, tubular membranes are well-suited for applications in heavy industrial wastes including oily wastewaters.



SPIRAL – Spiral membranes have the advantage of very high membrane packing density. Spiral RO membranes are used for applications such as water softening, and water reuse.

Diverse Product Applications



Municipal Water & Wastewater

Membrane filtration is the state-of-the-art technology for the production of clean, safe drinking water, providing a true barrier to harmful pathogens. With over 20 years of experience as the pioneer for this application, KMS has systems operating reliably worldwide. Municipalities continue to turn to KMS for solutions to upgrade existing facilities and to design new ones.

Wastewater treatment with KMS' MBR and tertiary treatment technologies are helping municipalities to address increasing demands for treatment capacity and higher quality effluents. These processes can also provide treated water suitable for reuse in agricultural and industrial applications.



Industrial Water & Wastewater

Better water management is a necessity in all industries to optimize processes, minimize water footprint, and lower manufacturing costs.

KMS provides a variety of cost-effective solutions to purify incoming water and outgoing wastewater streams in industrial facilities that can be customized to meet individual water treatment needs and discharge requirements. KMS membranes can treat effluent to a quality that is clean enough for reuse within the factory.

Whatever your challenge, we can provide a system that operates efficiently and sets the stage for continuous improvement. Industries we serve include:

- Food & Beverage
- Metal Finishing
- Power
- Semiconductor
- Pulp & Paper
- Mining Water
- Chemical
- Oil & Gas



Systems and Service

As industry leaders in membrane technology, KMS engineers are perfectly suited to customize a treatment 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
- Engineering Packages
- Piloting
- On-site Services
- KMS ASSIST® Service and Maintenance Program

Water & Wastewater Solutions

Our best-in-class designs provide a truly integrated solution, from membrane chemistry, morphology and fabrication to process and application design, with dedicated technical support every step of the way.

KMS isn't just a membrane company. The KMS global team of engineers is ready to assist you with:

- Process & System Design
- Project Management
- Piloting
- Start Up and Commissioning
- Mechanical Design
- KMS ASSIST® Service and Maintenance Program
- Global Fabrication

Piloting – Unique solutions are our specialty...

Not all process streams are alike. New and specialized applications can benefit from pilot testing to develop and validate system designs.

Our Process Engineering Group stands ready to support those applications that require more process expertise, attention or testing. With a sizeable inventory of pilot systems in our fleet, a testing program can be up and running at your facility in a matter of days.



Contact your local Koch Membrane Systems representative for more information:

Corporate Headquarters

Koch Membrane Systems, Inc.

850 Main Street
Wilmington, Massachusetts 01887-3388
USA

Tel: +1-888-677-KOCH

Tel: +1-978-694-7000

Fax: +1-978-657-5208

International Offices

Europe/Middle East/Africa

Aachen, Germany
Dubai, UAE
Lyon, France
Madrid, Spain
Rogierowko, Poland
Stafford, United Kingdom
Vimercate, Italy
Wijnegem, Belgium

Asia/Pacific

Beijing, China
Mumbai, India
New Delhi, India
Shanghai, China
Singapore
Sydney, Australia

Latin America

Sao Paulo, Brazil

For complete contact information, visit:

www.kochmembrane.com

KOCH
MEMBRANE SYSTEMS

