



TARGA® II

Solutions

Inside-Out Hollow Fiber
Ultrafiltration for High Quality
Water Applications



Market-Driven Solutions

*Setting a new standard for flexibility,
performance and safety...*

The TARGA® II hollow fiber ultrafiltration membrane offers cost-effective, safe, high quality water for a variety of applications.

Complete Solids Tolerance Solutions

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

TARGA® II

Up to 50 mg/L

PURON® MP

Up to 1000 mg/L

PURON® HF

Up to 3,000 mg/L

PURON® MBR

Up to 15,000 mg/L

ABCOR®

Up to 500,000 mg/L

The TARGA II Membrane Advantage:



SAFER WATER – TARGA II fibers have a smooth inner core morphology and small pore size allowing viruses and pathogens to be easily removed.



LESS DOWNTIME – Strong, durable fibers, easy to maintain design and a flexible cleaning process (including chemically enhanced backflush) result in high net flow rate.



LESS CHEMICALS – Superior membrane chemistry, a narrow pore size distribution and advanced system controls deliver more stable membrane performance without the need for extensive chemical cleans.



SIMPLE OPERATION – Minimal system connections, easy installation, outstanding reliability and an intelligent user interface that automatically responds to varying feedwater conditions like TOC, TSS, PH and color.



SAVE MONEY – Superior output, simplified operation, reduced maintenance and a compact footprint all add up to cost savings for you!

Primary Applications:



Industrial Water Solutions

- Compact system design
- Removal of suspended and colloidal solids
- High value engineered system



Tertiary Wastewater Treatment

- Low fouling design
- Ideally suited for reuse applications
- High pH cleaning



Seawater Pre-treatment

- Silt Density Index (SDI) <3
- Extends RO membrane life
- Seawater compatible design



Drinking Water Solutions

- 4-log removal of bacteria and viruses
- LT2 compliant and CDPH certified
- Fully automated

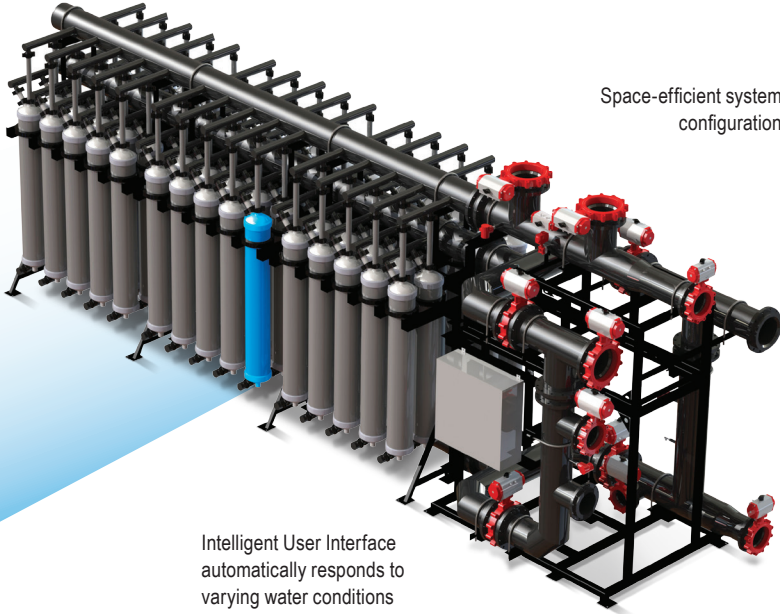
Meaningful Product Features

Simple design, superior performance, outstanding value – The TARGA®II ultrafiltration system sets the standard for treated water applications.

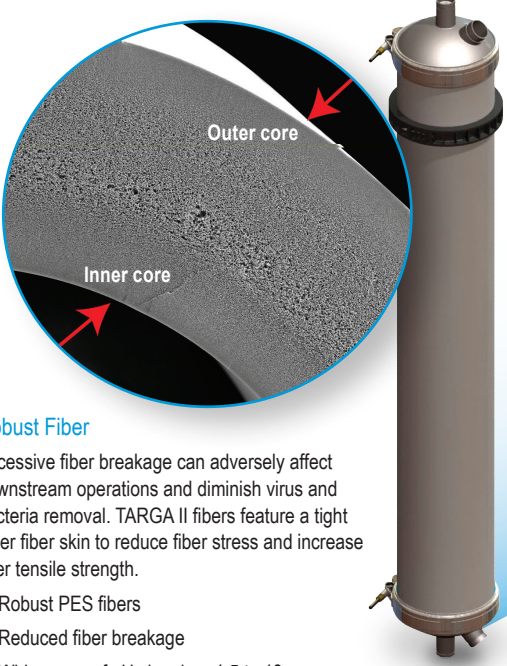
The TARGA II membrane is based on polyethersulfone (PES) chemistry with one of the highest membrane packing densities per cartridge available in the market.

The TARGA II System Design

Complete TARGA II Filtration System
60-Cartridge Design Shown



Space-efficient system configuration



Outer core

Inner core

Robust Fiber

Excessive fiber breakage can adversely affect downstream operations and diminish virus and bacteria removal. TARGA II fibers feature a tight inner fiber skin to reduce fiber stress and increase fiber tensile strength.

- Robust PES fibers
- Reduced fiber breakage
- Wide range of pH cleaning -1.5 to 13
- Open outer core

Compact high-area cartridge design

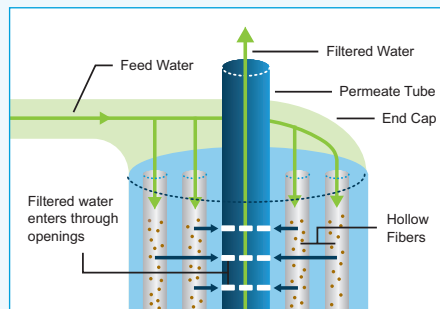
Intelligent User Interface automatically responds to varying water conditions

Simple Automated Solids Management

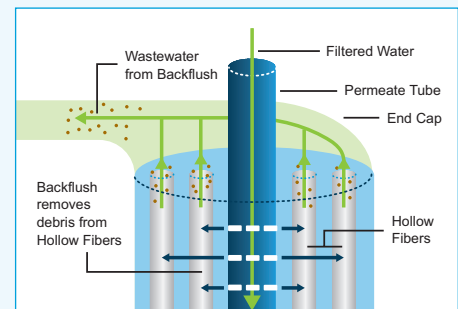
An advanced membrane structure and automated controls offer efficient operation

Operational Design

The flow of feed water is from the inside of the fiber through the fiber wall. The specially formulated TARGA II membrane allows for the debris to be deposited on the inner surface of the wall but not trapped within the membrane itself. Simple backflushing of the membrane allows for debris to be lifted off inner surfaces quickly and effectively.



Production Mode



Backflush Mode

The TARGA® II Solution

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