



KONSOLIDATOR™ 48 SYSTEM

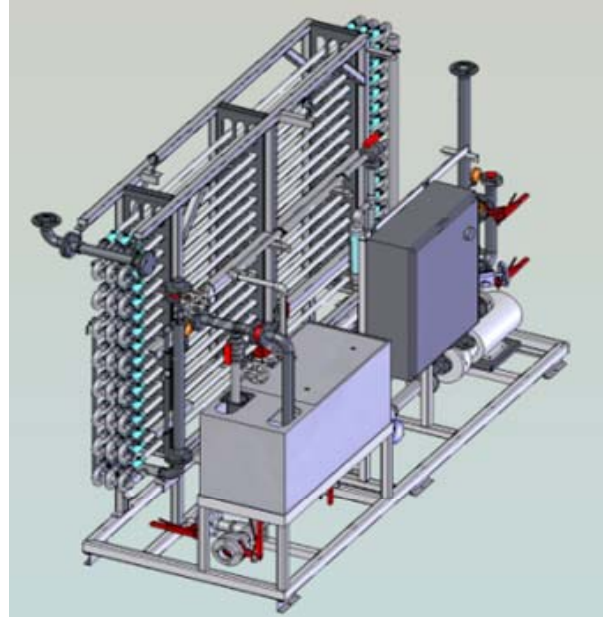
ULTRAFILTRATION SYSTEM FOR INDUSTRIAL WASTEWATER TREATMENT

The KONSOLIDATOR™ 48 ultrafiltration system is specially designed for treating a variety of industrial wastewaters. It is designed for systems processing 3,000 gallons (11 m³) to 9,000 gallons (34 m³) per day, or more, depending on wastewater composition. The KONSOLIDATOR™ 48 system is inexpensive to install, operate and maintain.

SPECIAL FEATURES

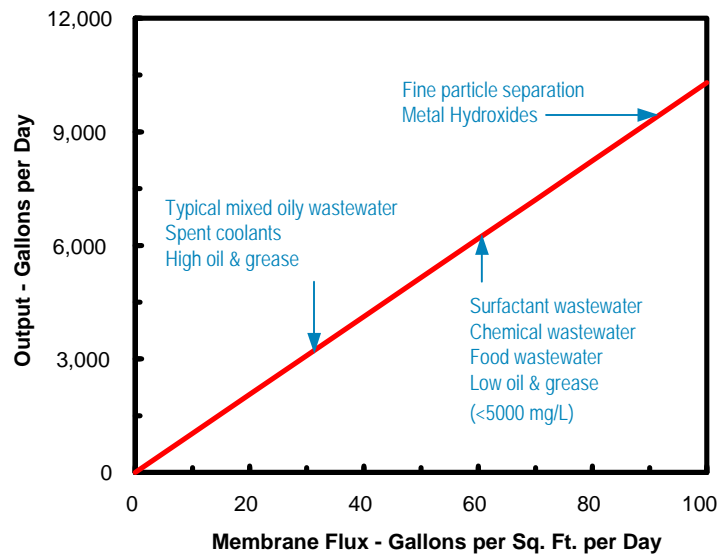
The KONSOLIDATOR™ 48 system is fabricated from cost effective and dependable components

- Up to 48 FEG PLUS™ tubular UF membranes
- 2" diameter, 304 L, schedule 10 and CPVC, schedule 80 loop piping
- 1" diameter, CPVC, schedule 80 permeate piping
- ANSI centrifugal pumps
- 10 HP TEFC circ pump motor
- Control panel with HMI, PLC and NEMA 12 enclosure
- Low pressure alarm
- High temperature alarm
- Temperature indicator
- Permeate flow indicator
- Inlet/outlet pressure gauges
- Integrated cleaning skid
- Autopurge and permeate recycle for optimal performance and minimal labor
- Optional double mechanical seal



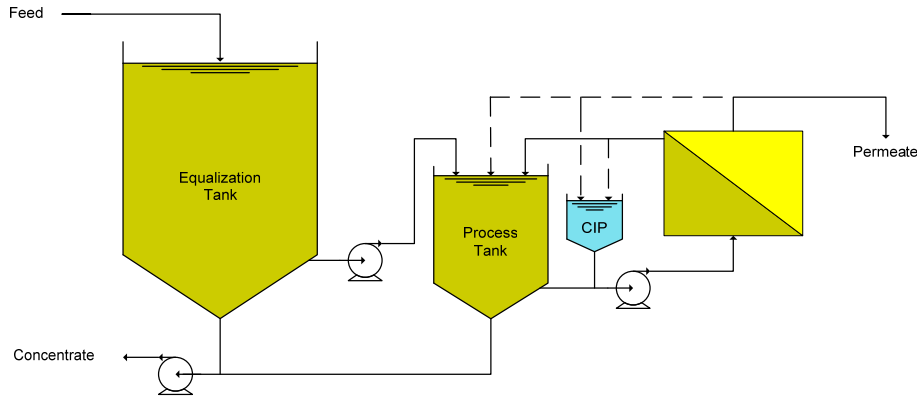
Konsolidator™ 48 UF System

KONSOLIDATOR™ 48 SYSTEM OUTPUT AS FUNCTION OF WASTEWATER SOURCE



For informational purposes only. Actual performance may vary. Consult KMS for an estimate based on your requirements.

TYPICAL UF SYSTEM FLOW SCHEMATIC



For optimal performance, the KONSOLIDATOR™ 48 system must be coupled with appropriately sized and designed pretreatment and equalization. KMS works with each customer to provide economical design solutions that integrate the KONSOLIDATOR™ 48 system seamlessly into the plant's operations.

SELECTION

Use the KONSOLIDATOR™ 48 system if you have one of the following situations:

- High suspended solids/oils and grease concentration in untreated wastewater.
- High cost of concentrate handling or disposal.
- Need for rugged, durable and reliable membranes capable of withstanding a variety of conditions.
- Requirement for highest possible concentration factor.

The KONSOLIDATOR™ 48 system is designed around KMS' FEG PLUS™ tubular membranes, the most rugged and versatile of all polymeric designs. The primary benefits and features are:

- Ability to be mechanically cleaned with spongeballs, which permits removal of foulants not possible with other membranes. This feature yields reliable and consistent performance in difficult applications.
- Ability to operate at maximum suspended solids concentrations without plugging, which minimizes prefiltration and retentate handling expenses.

This document was prepared for informational purposes only. This is not a guarantee of results to be achieved by the customer, and individual results may vary. Koch Membrane Systems' Standard Terms and Conditions are incorporated herein by reference.

DIMENSIONS

UF SUBSYSTEM

Length	11 ft (3.4 m)
Width	5 ft (1.5 m)
Height	8 ft (2.4 m)
Shipping Weight	1800 lb (820 kg)
Operating Weight	3600 lb (1640 kg)

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The FLOW LINES DESIGN is a trademark of Koch Membrane Systems, Inc. and the STYLIZED K is a trademark of Koch Industries, Inc.

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10/13 Rev. 13-1