



KONSOLIDATOR™ 160 SYSTEM

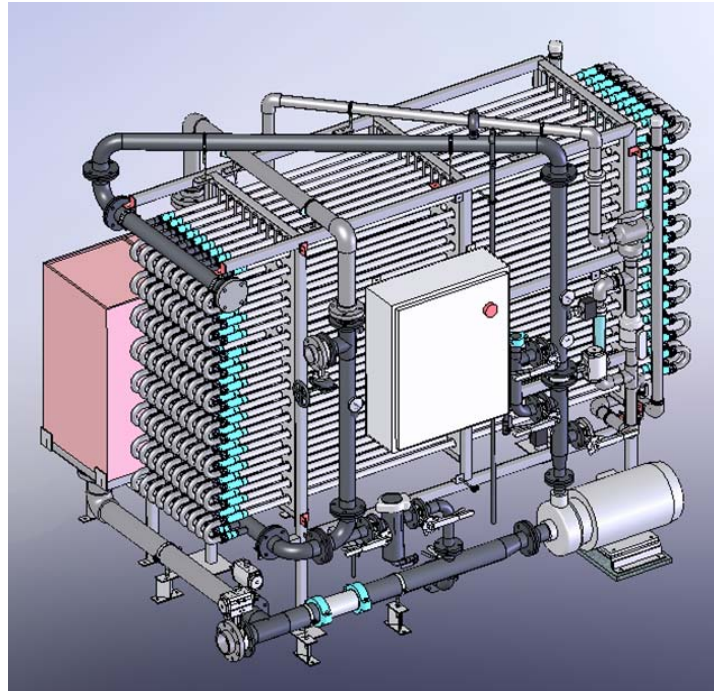
ULTRAFILTRATION SYSTEM FOR INDUSTRIAL WASTEWATER TREATMENT

The KONSOLIDATOR™ 160 ultrafiltration system is specially designed for treating a variety of industrial wastewaters. It is designed for systems processing 10,000 gallons (38 m³) to 30,000 gallons (114 m³) per day, or more, depending on wastewater composition. The KONSOLIDATOR™ 160 system is inexpensive to install, operate and maintain.

SPECIAL FEATURES

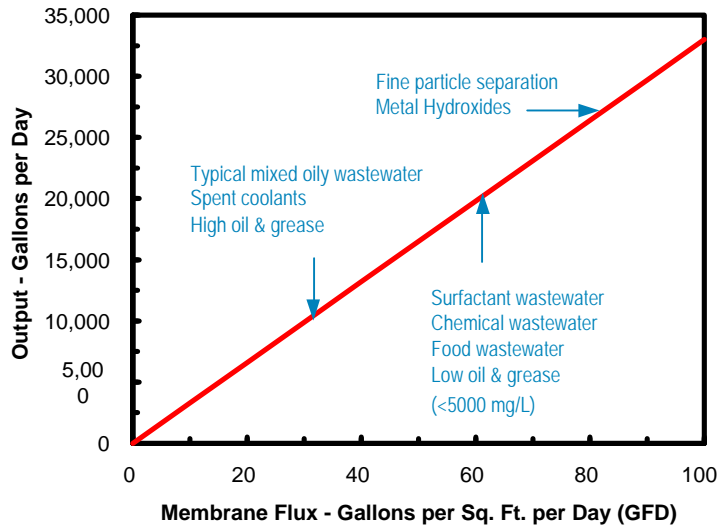
The KONSOLIDATOR™ 160 system is fabricated from cost effective and dependable components

- Up to 160 FEG PLUS™ tubular UF membranes
- 3" diameter, 304 L, schedule 10 and schedule 80 CPVC loop piping
- 2" diameter, CPVC, schedule 80 permeate piping
- ANSI centrifugal pumps
- 25 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



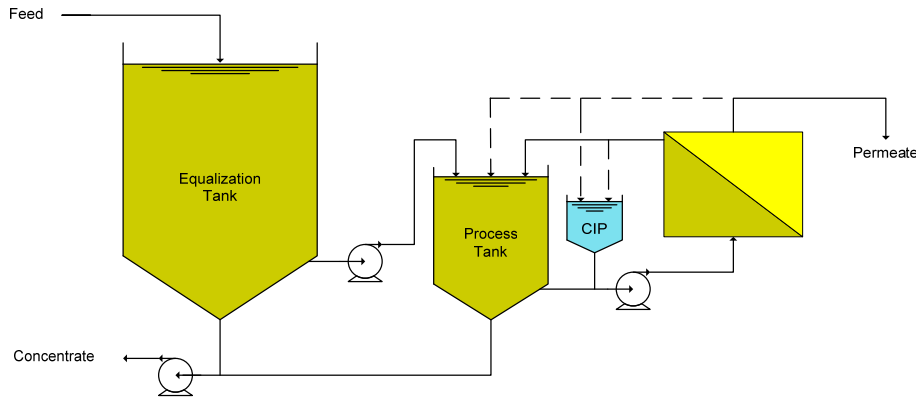
Konsolidator™ 160 System

KONSOLIDATOR™ 160 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™ 160 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™ 160 system seamlessly into the plant's operations.

SELECTION

Use the KONSOLIDATOR™ 160 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™ 160 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.

DIMENSIONS

UF SUBSYSTEM

Length	10.8 ft (3.3 m)
Width	7.1 ft (2.2 m)
Height	9.3 ft (2.8 m)

Shipping Weight	2,100 lb (950 kg)
Operating Weight	5,000 lb (2,300 kg)

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.

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