

## Ultrafiltration System for Manure and Wastewater Processing (UF2400 Series)

### System Components:

- Stainless Steel Tubular Filtration Modules
  - Available with 1,892 to 9,460 ft<sup>2</sup> filtration area in one to five modules
  - Available with 0.02 or 0.1 μm rated elements
- Recirculation pumps and feed pump, with VFDs
  - Typically 200-hp recirculation and 10-hp feed motors
  - Pump run-dry protection level switches
- Flow meters for feed and permeate
- Pressure sensors for module inlet/outlet and permeate
- Automated concentrate flow control valve
- Automated valves for process control and Clean-in-Place
- UF permeate sight glasses
- Clean-in-Place Skid
- NEMA-4X electrical enclosures
- PLC/HMI for easy operation, data logging, and remote access (internet connection required)
- Dimensions: 200”L x 120”W x 420”H



### Onsite Utilities Required:

- Water (hot preferred)
- Electrical: 460V, 3-phase
- Level surface
- Floor drain or sump for gravity draining and rinsing

### Capacity

Every material will filter at different rates, but with common manures and wastewaters an average rate of about 1 GFH (gallons of permeate per square foot per hour) can be expected. With 9,460 ft<sup>2</sup> of filtration area, this system will produce about 9,500 gallons of permeate per hour. When running continuously at about 70% permeate recovery, this system will process about 13,500 GPH of feed into 9,500 GPH of permeate and 4,000 GPH of concentrate.

**Please contact us today for a customized quote for your application!**