ARIES ULTRAFILTRATION / MICROFILTRATION MEMBRANE SYSTEMS

Aries designs and manufactures Ultrafiltration (UF) & Microfiltration (MF) Systems for process and water treatment applications. Ultrafiltration & Microfiltration are processes that remove insoluble and colloidal contaminants from water and other fluids. This technology is ideal pre-treatment for Reverse Osmosis Treatments. Aries UF/MF Systems can be used individually or in combination with chemical assistance in order to achieve the best filtration possible. Aries capabilities include system design, on-site piloting, manufacturing and installing UF/MF Systems.

Aries Ultrafiltration / Microfiltration Systems Applications

- Food & Beverage
- Metal working and finishing
- Power Generation
- Semiconductor / Electronics
- Pulp & Paper
- Mining
- Chemical Manufacturing
- Oil & Gas production and refining

Aries UF & MF Systems are designed to meet the customer’s specific needs. Systems are designed with the optimum pretreatment, membrane selection, and automation to provide the lowest operating costs. Advanced membrane technology is used to provide long membrane life with enhanced chemical and fouling resistance. Pretreatment options such as coarse filtration and chemical coagulation are available depending upon application requirements. A Clean In Place (CIP) system is provided for ease of cleaning the PVFD membranes to recover loss of flux from foulants as well as providing for long membrane life cycle. Permeate Post treatment options include reverse osmosis, ultraviolet disinfection systems and absolute cartridge filtration. A selection of solids dewatering systems are available for the sludge generated with the UF/MF filtration process.
Advantages of Aries Ultrafiltration / Microfiltration Systems

- High quality effluent
- Less affected by upsets
- Potential to reuse effluent
- Skid mounted for easy installation
- High flux
- Simple operation
- Reduced labor costs
- PLC control
- Small footprint
- Low installation costs

Aries Custom Solutions

In addition to standard systems, Aries can provide custom designed system to meet a processes specific needs. Aries can develop best UF / MF process using lab studies, on site pilot studies and custom designed systems.