

Purification and Reuse of Industrial Clarified Effluents

The Pall Aria™ Integrated MF/RO System

If you need an additional supply of pure water for critical and utility operations, you could benefit from a Pall Aria Integrated MF/RO system.

By using best-in-class treatment chemicals with a combination of hollow-fiber microfiltration (MF) and reverse osmosis (RO), we can provide you with a highly efficient system for reclaiming effluent water. Not only can the Pall Aria MF/RO system reduce your cost for purchased water, it can provide water that consistently meets critical water quality requirements while effectively protecting the environment.

Value

- Acquire a consistent, high-quality water source for as much as 50% less than the cost of purchased water.
- Decrease dependency on purchased water.
- Reduce wastewater discharge by as much as 80%.
- Reclaim a scarce water resource.
- Increase operating profit by reusing an existing resource.
- Obtain a source of high-quality water for critical plant and utility use.

Is This an Opportunity for You?

- Do regulations require you to reuse water before your plant can undergo expansion?
- Do you have more than 100 gpm (23m³/hr) of waste effluent that can be reclaimed?
- Do you need high-quality water for boilers and utility operations?
- Are you interested in significant operating cost savings?
- Is your present total water cost more than \$4.00 per 1000 gals (\$1.00/m³)?
- Does your effluent have the following characteristics: TSS <100 mg/l,

BOD <100 mg/l, FOG <20 mg/l, and TDS < 2,500 mg/l?

Why the Pall Aria Integrated MF/RO System?

- Assures consistent production of high-quality water from a reclaimed source.
- Provides an integrity testable, positive barrier to TSS and microbial contaminants.
- Protects downstream processes such as electrodeionization (EDI).
- Delivers highly purified, low TDS water.

Key Industries

- Chemical processing
- Food and beverage
- Hydrocarbon processing
- Metal working
- Mining
- Pharmaceuticals
- Primary metals
- Pulp and paper

Features

- Standard designs for trouble-free operation.
- Touch-screen controls for simple operation.
- Modular design for rapid integration.
- Multiple membrane barriers for process protection.

Why Pall?

- Flexible water management: outsource operations, service contract, or service-on-demand.
- Flexible project financing: capital purchase, lease-to-own, rent, or purchase treated water.
- Streamlined system design and operation using our experience of over 60 years in the field of water treatment.
- Lifetime system support from filtration experts with excellent track records for customer satisfaction.



Pall Corporation

Corporate Headquarters

Americas

East Hills, NY USA

1.516.801.9906 Phone

1.888.428.5597 Toll Free

Europe

Middle East

Africa

Portsmouth, Hampshire UK

+44 (0) 23 9230 2374 Phone

+44 (0) 23 9230 2509 Fax

Bad Kreuznach, Germany

+49 671 8822130 Phone

+49 671 8959388 Fax

Asia Pacific

Bangkok, Thailand

+66 2937 1055 Phone

+66 2937 1066 Fax

Visit us on the Web at www.pall.com/water

Pall Corporation has offices and plants throughout the world.

© Copyright 2006 Pall Corporation. Pall, , and Pall Aria are trademarks of Pall Corporation. *Filtration. Separation. Solution.SM* is a service mark of Pall Corporation.

Filtration. Separation. Solution.SM

PASR04