



Pall AriaSM AP-Series Water Treatment Systems

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Pall AriaSM AP-Series Water Treatment Systems are specifically designed to meet the drinking water treatment requirements of small communities. Aria systems use uniquely designed Pall Microza* membrane modules in a hollow fiber configuration to remove the following contaminants from surface and ground water sources:

- Turbidity
- Bacteria
- Cysts and Oocysts
- Iron and Manganese
- Arsenic

Each 0.1µm hollow fiber module provides high active surface area (538ft² - 50m²). The hollow fiber modules in the Aria system are highly permeable resulting in high water production rates.

Pall's dedication to simplified process design and control logic has produced a family of systems that are characterized by:

- Full System NSF 61 Certification
- Long Service Life Hollow Fiber Membranes
- Operator Friendly Control Interface
- Simple Clean-In-Place Operation
- High Recovery
- Low Cost of Operation
- Easily Installed Modular Skids
- Compact System Footprint
- ISO 9000 Certified Manufacturing
- Optional Auxiliary Equipment



View of Hollow Fiber Membrane Module Cut-away.



Pall Aria Water Treatment System with control panel and modules.

Aria AP-Series System Performance

Pall Microza membrane systems have been approved for potable water supply. The Aria hollow fiber membrane system was the first to receive a "full system" certification in accordance with ANSI / NSF 61 Specifications.

Extensive testing has been done across the USA including:

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| • University of New Hampshire | • Stoney Creek, VA |
| • Croton Reservoir, NY | • Westover, PA |
| • Highland Reservoir, PA | • Caney, KS |
| • Meeteetse Reservoir, WY | • Kernville, CA |
| • Oregon Parks Department | • Basalt, UT |
| • North Slope Borough WTP, AK | • Crested Butte, CO |
| • Youngs River, OR | • Hobart, NY |

Site testing confirmed Pall Aria Water Treatment Systems meet or exceed EPA standards for safe drinking water, such as the requirement of the Surface Water Treatment Rule (as amended December 16, 1998).

* Microza is a trademark of Asahi Kasei Corporation.

Contaminants	Typical Removal*
<i>Giardia</i>	> 6 log
<i>Cryptosporidium</i>	> 6 log
MS2 coliphage or bacteriophage	0.5 - 3 log
Turbidity	< 0.1 NTU