

The Aria FAST 80T system supplements or replaces your system on a permanent or temporary basis — “water filtration on wheels.”



When facing source water problems, downtime from equipment malfunctions or emergencies, seasonal surges in consumption, or increased demand that exceeds system capacity, municipal and industrial water providers need a solution to rapidly increase production.

If you are in the process of building a new facility, there may be a need for a water treatment system to ensure a smooth transition while the old plant is being decommissioned. Pall Corporation offers a solution that supplements or replaces your system on a permanent or temporary basis.

The Pall mobile water treatment system comprises a complete, automated, packaged Aria FAST membrane filtration system mounted in a trailer or container. With appropriate site preparation and minimal labor, the system can be operational within hours. All that is required is to supply the source water, connect the effluent pipe, and add 460 VAC 3-phase power.

Using the same state-of-the-art hollow fiber membranes as hundreds of installed Aria FAST systems worldwide, the mobile system transforms ground water, surface water, or secondary effluent into water that is free from harmful bacteria, cysts, and particles.

The Aria FAST system’s redundant racks are mounted on skids inside the container. The system has a flexible configuration and can be engineered to operate in tandem with other water treatment technologies, such as reverse osmosis.



CONTAINER DETAILS

Type	Trailer
Length	48-0' (14.6m)
Height	13-6' (4.1m)
Width	8-6' (2.6m)
Shipping Weight	30,700 lb (14,000 kg)
Operating Weight	59,000 lb (26,000 kg)

CONTAINER CONNECTIONS

Type	Grooved (flanged – optional)
Material	HDPE w/ 304SST reinforcement
Raw Water Inlet	8 in (200 mm)
Membrane Filtrate Outlet	8 in (200 mm)
CIP/Backwash Waste Outlet	8 in (200 mm)
Misc Gravity Waste Outlet	3 in (75 mm)

EFFLUENT QUALITY

Turbidity	< 0.05 NTU maximum, < 0.02 NTU typical
SDI	< 3 maximum, < 2.5 typical
Bacteria and particles	> 0.1 μ removed to nondetectable limits (> 99.999%)

SYSTEM

Membrane	Membrane filtration
Max Capacity	800 gpm (182 m ³ /h)
Filtration Outlet Pressure	< 45 psig (3 bar)
Water Temp Range	32 to 104 deg F (0 to 40 deg C)
Air Compressor	240 gallon receiver

SPECIAL FEATURES

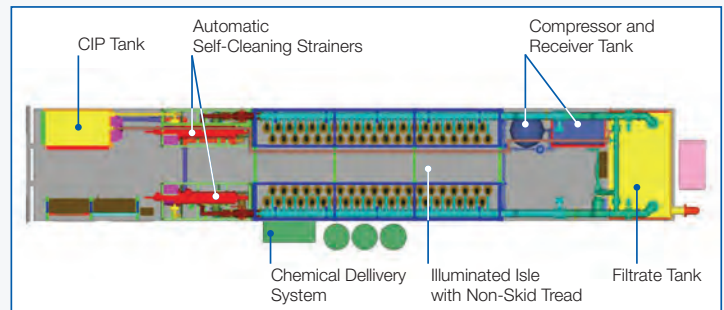
Complete Automated CIP System

Operator Work Station

HVAC

INSTRUMENTATION AND ELECTRICAL

Service	480 VAC, 3 phase, 60Hz
Customer Communication	Analog
Remote Access/Diagnostics	Air card
Influent Turbidimeter	Standard
Effluent Turbidimeter	Standard
PLC	Allen Bradley L36



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