

Aria FAST™ T80

aria^{FAST}™

For Water When and Where You Need It

The Aria FAST T80 system from Aria Filtra™ supplements or replaces your water treatment system on a permanent or temporary basis, giving you “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, you need a solution to rapidly increase production.

If you are in the process of building a new facility, a water treatment system may be needed to ensure a smooth transition while the old plant is being decommissioned.

The Aria Filtra 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 supplying the source water, connecting the effluent pipe, and adding 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 groundwater, 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.

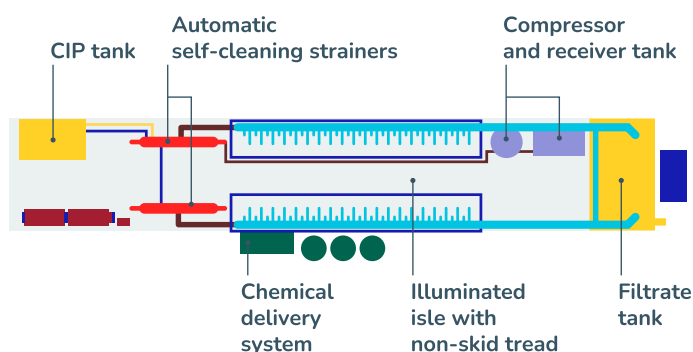


CONTAINER DETAILS

Type	Trailer
Length	53 ft (16.2 m)
Height	13 ft 6 in. (4.1 m)
Width	8 ft 6 in. (2.6 m)
Shipping weight	30,700 lb (14,000 kg)
Operating weight	59,000 lb (26,000 kg)

CONTAINER CONNECTIONS

Type	Grooved (flanged optional)
Material	HDPE with 304SST reinforcement
Raw water inlet	8 in. (200 mm)
Membrane filtrate outlet	8 in. (200 mm)
Clean-in-place (CIP) / backwash waste outlet	8 in. (200 mm)
Misc. gravity waste outlet	3 in. (75 mm)



Membrane	Membrane filtration
Max. capacity	800 gpm (182 m³/h)
Filtration outlet pressure	< 45 psig (3 bar)
Water temperature range	32°F (0°C) to 104°F (40°C)
Air compressor system	240-gallon receiver

SPECIAL FEATURES

Complete automated CIP system

Operator workstation

HVAC

EFFLUENT QUALITY

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

INSTRUMENTATION AND ELECTRICAL

Service	460 VAC, 3 phase, 60Hz
Customer communication	Analog
Remote access / diagnostics	Air card
Feed turbidimeter	Standard
Filtrate turbidimeter	Standard
PLC	Allen Bradley L36



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Aria Filtra, a division of Trojan Technologies, is the filtration partner of choice for municipal and industrial customers that need reliable access to consistent, high-quality water. With more than two billion gallons of installed capacity spanning six continents, Aria Filtra has the process expertise, proven technology, and intelligent systems that customers trust to reliably tackle their most complex water treatment challenges. Featuring industry-leading durability, reliability, and ease of operations, our broad portfolio of solutions ensures mission-critical functions continue to work as needed, day in, day out, for years to come. Learn more at [AriaFiltra.com](https://ariafiltra.com).

Because of technological developments related to the products, systems, and/or services described herein, the data and procedures are subject to change without notice. Please consult your local representative to verify that this information remains valid.

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