



Container Program



Aria FAST™ container program

Compact microfiltration (MF) containers tackle the most complex water and wastewater treatment challenges, simply and reliably.

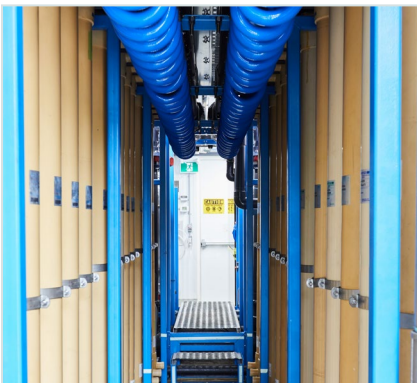


Aria FAST microfiltration water and wastewater treatment containers are available for rent in North America.

Immediate rental solutions

When you're facing source water problems—whether caused by emergencies, equipment failures, seasonal demand, planned system upgrades, or system replacements—Aria Filtra™ has the solution. With appropriate site preparation and minimal labor, Aria FAST mobile containers can be deployed to start producing fresh water shortly after arrival on site. Variable rate contracts, minimal infrastructure, and low operating costs make Aria FAST mobile rental units a cost-effective option for immediate water treatment needs. In addition, the containers can be transported via truck, rail, ship, and air to supply water when and where you need it.

When time is of the essence, on-demand water treatment is the best solution.



Robust and reliable

Aria FAST containers feature Aria Filtra's proven and reliable MF hollow-fiber membrane technology. For decades, Aria Filtra has been providing municipalities and industrial customers with robust membrane-based advanced filtration solutions. Absolute filtration to finer levels helps protect downstream equipment, ultimately minimizing downtime. Membrane filtration has proven to be an efficient solution for difficult or variable incoming water, wastewater treatment or water recycling, improving secondary effluent quality, and generating new opportunities for wastewater reuse.

Designed with durability in mind, Aria FAST containers incorporate features that improve reliability in harsh conditions. The robust hollow-fiber membrane design offers strength to the system, providing suspended particulate and cyst removal without pretreatment and compatibility with more aggressive pretreatment and clean-in-place (CIP) regimes.



The Aria FAST container program provides ultimate flexibility. Its innovative and advanced filtration technology treats a wide range of variable water and wastewater sources and can be adapted to variations in feed water composition, temperature, and flow while delivering high-quality water.



Compact, durable design

The containers' compact modular design grants improved mobility, allowing you to place the mobile rental units in tighter spaces at point of use versus larger but more distant spaces. The containers offer versatility in overcoming site-specific requirements and/or space restrictions. The robust rental MF containers were designed with site space optimization in mind, and unlike conventional methods, can be lifted into place for particularly tight spaces.

The Aria FAST mobile rental container program offers customized water and wastewater treatment solutions. Containers are configured to meet specific needs and/or address changing water treatment requirements, providing scalability without CAPEX investments.

When multiple containers are required for an application and space allows, the containerized system grants operators ground-level access to all units without the need for scaffolding or temporary stairs and platforms. Aria FAST C60-NA 40-ft MF containers can even be stacked vertically to further optimize site space—hydraulic conditions allowing. In addition to functioning as a standalone water treatment system, Aria FAST containers can quickly connect to an existing plant for additional capacity. Utilizing the container's neutralization functionality allows CIP wastes to be compatible for on-site discharge, providing flexibility for sites where a wastewater treatment plant connection is not available.

Customize your water treatment system with the Aria FAST container program



The **C60-NA** includes the hydraulic capacity to support excess recirculation (XR) for high-solids applications or in cases of upset conditions or seasonal turbidity spikes.



An **optional 20-ft auxiliary container** and filtrate tank are available for rent with the C60-NA.



The increased membrane quantity in the **C1K** allows for lower flux to treat the most difficult waters without sacrificing flow rate.



C60-NA CONTAINER DETAILS

Type	Container
Length	40 ft (12.2 m)
Height	9.7 ft (2.9 m)
Width	8 ft (2.4 m)
Shipping weight	38,000 lb (17,236 kg)
Operating weight	51,000 lb (23,133 kg)

CONTAINER CONNECTIONS

Type	ANSI flanged
Material	PVC / HDPE
Raw water inlet	8 in.
Membrane filtrate outlet	8 in.
Backwash drain	8 in.
Chemical drain (gravity)	4 in.
Filtrate (backwash) water supply	6 in.
Misc. (gravity) drain	2 in.

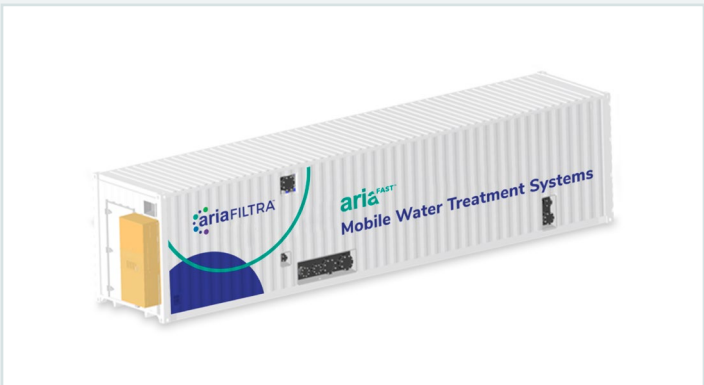
SYSTEM

Membrane	Hollow-fiber membrane
Max capacity	1,200 gpm (280 m ³ /h)
Filtration outlet pressure	5 to 15 psig (0.3 to 1.0 bar)
Water temp range	32°F (0°C) to 104°F (40°C)
Air compressor system	Complete with receiver and automatic condensate valve

SPECIAL FEATURES

Redundant module racks	Optional configuration
Automated CIP system	Standard
CIP neutralization capability	
Operator workstation	15 in. (12.7 cm) touchscreen
HVAC	Standard included

C60-NA



AUX





INSTRUMENTATION AND ELECTRICAL

Service / voltage required	460 VAC, 3 phase, 60 Hz
Amperage required	106 FLA with 175A main breaker
Customer communication	Analog or discrete signals
Remote access / diagnostics	Standard via eWon modem (Client requires SIM card)
Feed turbidimeter	Standard
Filtrate turbidimeter	Standard

TYPICAL FILTRATE QUALITY

Turbidity	<0.1 NTU maximum, <0.02 NTU typical
SDI	<3.0 maximum, <2.5 typical

Microorganisms like cryptosporidium and giardia cysts are removed with more than 6 log RR or 99.9999%, while particles are removed typically to nondetectable limits.

AUX CONTAINER DETAILS

System type	Feed pumps; filtrate (RF) tank + filtrate forwarding pumps
Voltage / frequency	460 VAC, 3 phase, 60 Hz
Amperage required	137 FLA with 175A main breaker
Container shipping weight	18,000 lb (8,164 kg)
Container operating weight	19,000 lb (8,618 kg)
Tank shipping weight	600 lb (272 kg)
Tank operating weight	21,000 lb (9,526 kg)

C60-NA with AUX



C1K





+1 (866) 475-0115

AriaFiltrInfo@
TrojanTechnologies.com

[AriaFiltr.com](https://ariafiltr.com)

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 [AriaFiltr.com](https://ariafiltr.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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