

FLUXPRO™ 100 Microfiltration Water Module

The FLUXPRO 100 microfiltration (MF) water modules from Aria Filtra™ are engineered to stand up to the toughest challenges, reduce the cost of operations, and maximize water recovery.

This line of MF modules utilizes a proprietary thermally induced phase separation (TIPS) polyvinylidene fluoride (PVDF) hollow-fiber technology. This technology is several times stronger than other PVDF fibers, is permanently hydrophilic, and has industry-leading chemical stability in the presence of cleaning agents, ensuring long life and use in a variety of applications.

You can rest assured knowing these modules are backed by the reliability and support you have trusted for your water filtration needs for more than 30 years.

Superior fiber technology

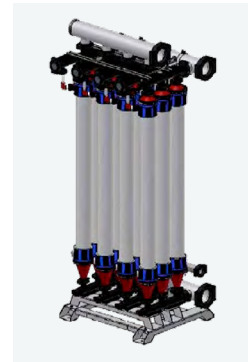
- The dense, crystalline PVDF structure holds up to the toughest of cleaning treatments, including caustic reagents and chlorine.
- The superior design permits higher recovery, lower operating costs, and the flexibility to treat challenging waters.

Key advantages

- Superior resistance to fiber breakage and chemicals
- Reduced operating costs
- Improved flow rates
- TIPS patented manufacturing technology
- Compatibility with Aria Filtra filtration systems

Key applications

- Drinking water
- Wastewater reuse
- Boiler feedwater
- Surface water treatment
- Cooling tower blowdown
- Seawater reverse osmosis pretreatment



Certified to
NSF/ANSI/CAN 61

Ask your
Aria Filtra expert
for DW, KTW,
and ACS certified
products.

Regulatory note

NSF / ANSI 61 certified drinking water modules require specific conditioning procedures prior to producing potable water. Refer to the product technical manual's flushing section for specific procedures. Drinking water modules may be subjected to additional regulatory restrictions in some countries. Check local regulatory guidelines and application status before use and sale.

OPERATING PARAMETERS

PERFORMANCE*	
Process capacity typical range	2.2 to 6.0 m ³ /h (10 to 6 gpm)
DIMENSIONS	
Membrane area	50 m ² (538 ft ²)
Module length	2,009 mm (79 in.)
Module diameter	160 mm (6.3 in.)
OPERATING CONDITIONS**	
Max. operating temperature	40°C (104°F)
Max. transmembrane pressure	3 bar (43 psi)
Max. inlet pressure (up to 30°C / 86°F)	4 bar (58 psi)
Operating pH range	1 to 12
Cleaning pH range	1 to 14
MATERIALS	
Membrane	High-crystalline PVDF (TIPS)
Nominal pore size	100 nm
Housing	PVC
Potting material	Polyurethane
Gaskets	EPDM
Preservative	30% calcium chloride

*Please contact Aria Filtra for operating manual and system sizing, as capacity per module is dependent on feedwater quality, temperature, and other factors.

**Unit conversion: 1 bar = 100 kilopascals

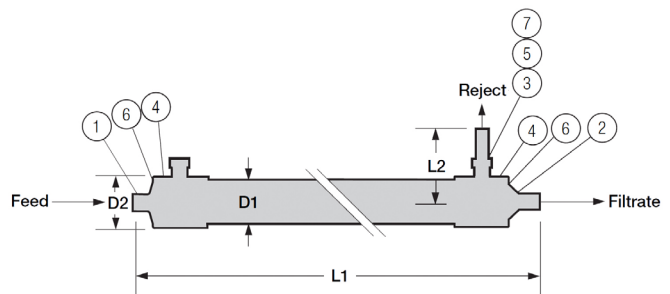
PART NO. / ORDERING INFORMATION

Model part number	FX0620050100A00
Length (L1)	2,332 mm (91.8 in.)
Length (L2)	154 mm (6.06 in.)
Diameter (D1)	160 mm (6.2 in.)
Diameter (D2)	220 mm (8.66 in.)

ACCESSORIES AND SPARE PARTS

ITEM	MATERIAL
1. Feed grooved coupling 2 in.	Noryl / Xyron
2. Filtrate grooved coupling 2 in.	Noryl / Xyron
3. Adapter reject connection	PVC
4. Clamp ring	Stainless steel / nylon
5. Nut reject connection	PVC
6. O-ring for feed and permeate adapter	EPDM
7. Gasket reject connection	EPDM
Certifications	NSF61 / NSF419***

***In preparation



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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.

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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