Microza UNA Series

Description

The Aria Filtra® UNA Series is a family of high performance PVDF hollow-fiber membrane modules designed to meet diverse water treatment needs. Utilizing advanced TIPS manufacturing technology, Microza® UNA modules deliver high mechanical strength, excellent chemical resistance, and long service life. Their durable construction and stable operating performance support reliable water treatment, reduced maintenance requirements, and lower lifecycle costs across a broad range of municipal and industrial applications.

Certifications

- NSF/ANSI 419
- NSF/ANSI/CAN 372
- NSF/ANSI/CAN 61

Complies with US EPA Maximum Contaminant Levels (MCLs) for PFAS according to NSF/ANSI/CAN 61

CATEGORY	UNA620A	UNA620A-DCA
Filter Area ft² (m²)	538 (50)	1065 (99)
Diameter inch (mm)	6.5 (165)	8.5 (218)
Length inch (mm)	91.7 (2330)	90 (2300)
Weight (Dry) - lb (kg)	65 (30)	99 (45)
Weight (Wet) - lb (kg)	130 (60)	209 (95)
Fiber Material	PVDF, TIPS (Homogeneous)	PVDF, TIPS (Homogeneous)
Fiber Nominal Pore Size (µm)	0.1	0.1
Housing material	ABS	ABS
Potting material	Polyurethane Resin	Polyurethane Resin
O-Ring Material	EPDM	EPDM
Min Cryptosporidium LRV per NSF 419	$6Log_{10}$	$6Log_{10}$

CATEGORY	UNA620A	UNA620A-DCA
Process Typical Capacity	10-45 gpm	20-85 gpm
Maximum Feed Pressure psi (kPa)	58 (400)	43.5 (300)
Max TMP psi (kPa)	43.5 (300)	29 (200)
Max temperature ˚F(˚C)	104 (40)	104 (40)
Operational pH Range	1-10	1-10
Cleaning pH Range	1-13	1-13
Nominal Fiber ID (mm)	0.7	0.6
Nominal Fiber OD (mm)	1.2	1
Nominal Hold up Volume (gal)	8	13
Discharge Port Connection size (inch)	1	2
Feed connection size (inch)	2	2
Filtrate connection size (inch)	2	2
Max Caustic Conc. Tolerance	4%	4%
Max Chlorine Conc. Tolerance	1%	1%
Max Citric Acid Conc. Tolerance	10%	10%

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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 trojantechnologies.com/ariafiltra.

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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