

# Ultra Filtration Membranes



## Description

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Aventura is an authorized seller of the TARGA and MegaPure series of hollow fiber Ultra Filtration membranes of Koch Membrane Systems, a global leader in water and wastewater technology. These membranes offer cost effective, safe, high quality water for a variety of applications.

## Features

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- ▶ Hollow fiber membrane technology
- ▶ Optimal system design
- ▶ Smaller footprint
- ▶ Reduced capital costs
- ▶ Robust fibers suited to meet stringent regulations
- ▶ Low fouling
- ▶ High removal of bacteria and viruses
- ▶ Automatic back-flush and maintenance cleaning
- ▶ NSF/ ANSI 61 Certification

## Applications

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- ▶ Potable water treatment
- ▶ Seawater pre-treatment
- ▶ Industrial process water treatment
- ▶ Municipal wastewater treatment
- ▶ Tertiary wastewater treatment

## Technical Specifications

Series	TARGA II 8"			TARGA PM10 8"		TARGA PM100 8"		TARGA II 10"		MegaPure 8"
<b>Membrane Chemistry</b>	Proprietary Semi-Permeable Polyethersulfone (PES)			Proprietary Semi-Permeable Polysulfone		Proprietary Semi-Permeable Polysulfone		Proprietary Semi-Permeable PES		Proprietary PVDF
<b>MWCO</b>	100,000			10,000		100,000	100,000	100,000		-
<b>Model</b>	8048-35	8072-35	8H072-35	8072-742-20	8072-367-43	8048-238-43	8072-367-43	10048-35	10072-35	8081-102
<b>Fiber Diameter, mm</b>	0.9	0.9	0.9	0.5	1.1	1.1	1.1	0.9	0.9	-
<b>Membrane Area, m<sup>2</sup></b>	32.1	50.5	50.5	68.9	34.1	22.1	34.1	51.5	80.9	51
<b>Membrane Diameter, mm</b>	213	213	213	213	213	213	213	273	273	220
<b>Membrane Length, mm</b>	1219	1829	1829	1829	1829	1219	1829	1219	1819	2060
<b>Production Range, m<sup>3</sup>/h</b>	2.2-4.6	3.4-7.3	3.4-7.3	10.9-5.2	5.3-2.5	3.4-1.6	5.3-2.5	3.5-7.4	5.5-11.6	2.0-6.8
<b>Maximum Pressure (water)</b>	45 psi (3.0 bar) @ 40°C or less			45 psi (3.0 bar) @ 40°C or less		45 psi (3.0 bar) @ 40°C or less		45 psi (3.0 bar) @ 40°C or less		45 psi (3.0 bar) @ 40°C
<b>Temperature Range</b>	0°C to 40°C			0°C to 40°C		0°C to 40°C		0°C to 40°C		0°C to 40°C
<b>Maximum Production Trans-membrane Pressure</b>	30 psi (2.1 bar)			30 psi (2.1 bar)		30 psi (2.1 bar)		30 psi (2.1 bar)		25 psi (1.7 bar)
<b>Maximum Back-flush Trans-membrane Pressure</b>	25 psi (1.7 bar)			20 psi (1.4 bar)		20 psi (1.4 bar)		25 psi (1.7 bar)		10 psi (0.7 bar)
<b>Allowable pH Range</b>	1.5-13			-		-		1.5-13		1.8-10.5
<b>Maximum Total Chlorine @ 25°C or lower</b>	500 ppm @ pH > 10			200 ppm @ pH ≥ 9.5 during intermittent back-flush		200 ppm @ pH ≥ 9.5 during intermittent back-flush		500 ppm @ pH > 10		1000 ppm @ pH < 10.5
<b>Recommended Total Chlorine @ 25°C or lower</b>	200 ppm @ pH > 10			-		-		200 ppm @ pH > 10		-
<b>Maximum Back-flush Total Chlorine @ 25°C or lower</b>	50 ppm @ pH > 9			-		-		50 ppm @ pH > 9		-
<b>Maximum Total Chlorine Contact</b>	-			200,000 ppm-hours cumulative		200,000 ppm-hours cumulative		-		-

### Disclaimer:

We believe the information provided here to be accurate. The information and data are offered in good faith, but without any guarantee as the conditions and methods of use of our products are beyond our control. The customer is fully responsible for the effects of incompatible chemicals or elements. It is the customer's responsibility to determine the appropriateness of our products for their specific end uses.

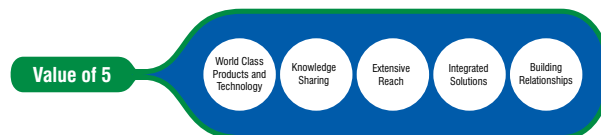
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Version: AC02/09/13