



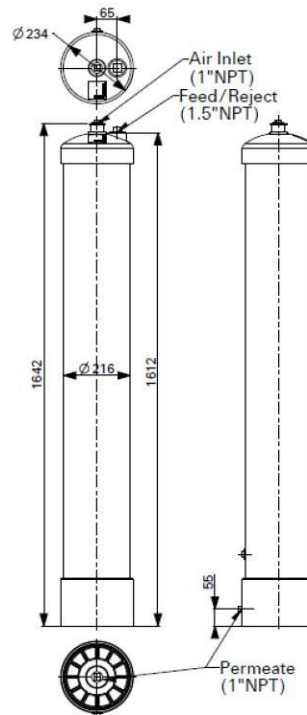
# MICRODYN AQUADYN® UA860

## Membrane modules for water treatment

This product specification sheet provides an overview of relevant technical data regarding MICRODYN AQUADYN® UA860 modules treating water in industrial and municipal applications.

<b>MEMBRANE CHARACTERISTICS</b>	<b>Membrane polymer</b>	Polyacrylonitrile (PAN)
	<b>Nominal pore size</b>	0.025 µm
	<b>Membrane type</b>	Hollow fiber
	<b>Hollow fiber diameter OD / ID</b>	2.1mm / 1.1mm
<b>MODULE SPECIFICATION</b>	<b>Housing material</b>	Reinforced ABS and uPVC
	<b>Membrane potting</b>	Epoxy
	<b>Type of Filtration</b>	Out / In, Dead End
	<b>Nominal membrane area</b>	45 m <sup>2</sup> (484 ft <sup>2</sup> )

### PHYSICAL DIMENSIONS



<b>Dry weight</b>	40 kg (88 lb)
<b>Module diameter</b>	216mm (8.5in)
<b>Module length</b>	1642mm (64.6in)
<b>Feed / Reject port</b>	1.5" NPT
<b>Permeate port</b>	1" NPT
<b>Air inlet port</b>	1" NPT

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## OPERATING PARAMETERS

<b>Max water flow</b>	3.6 m <sup>3</sup> /h (15.9 gpm)
<b>Max back flush flow</b>	7.2 m <sup>3</sup> /h (31.7 gpm)
<b>Max. trans membrane pressure</b>	1 bar (14.5 psi)
<b>Max module pressure</b>	2 bar (29 psi)
<b>Air flow rate</b>	4.2 – 8.3 Nm <sup>3</sup> /h (2.5 – 4.9 scfm)
<b>Air pressure</b>	<0.5bar (<7.3psi)
<b>Temperature range</b>	5-45°C (41-113°F)
<b>pH range operation</b>	2-10

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## CLEANING PARAMETERS

<b>pH range cleaning</b>	1-10
<b>Max. temperature during cleaning</b>	45°C (113°F)
<b>Preservative</b>	Sodium metabisulfite
<b>Max. active chlorine concentration</b>	100 ppm
<b>Max. active chlorine exposure</b>	100000 ppm·h
<b>Max. hydrogen peroxide conc.</b>	500 ppm
<b>Max. hydrogen peroxide exposure</b>	500000 ppm·h

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## IMPORTANT INFORMATION

<b>Storage and Handling:</b>	MICRODYN AQUADYN® UA860 modules must be handled and stored appropriately to ensure proper operation and to prevent membrane damage. Please see MICRODYN AQUADYN® UA860 Product Manual – <i>pages 4-5</i>
<b>Installation and Start-up:</b>	MICRODYN AQUADYN® UA860 modules must be installed correctly before start-up. For a detailed installation and start-up procedure, please see MICRODYN AQUADYN® UA860 Product Manual – <i>pages 19-21</i>
<b>Cleaning:</b>	MICRODYN AQUADYN® UA860 modules must be cleaned routinely via backwash to ensure proper operation and to prevent membrane damage. please see MICRODYN AQUADYN® UA860 Product Manual – <i>pages 22-27</i>

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MICRODYN-NADIR reserves the right to change specifications without prior notification.



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