



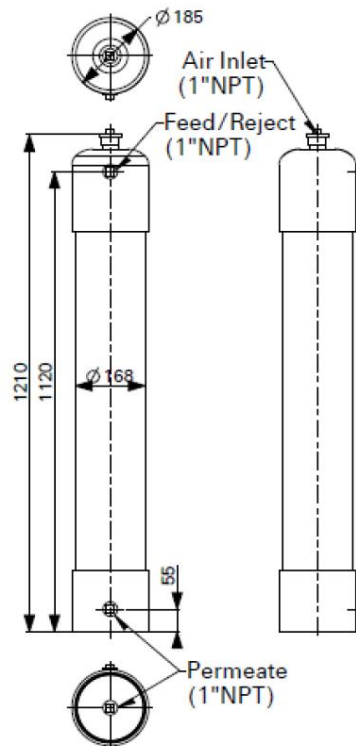
# MICRODYN AQUADYN® UA640

## Membrane modules for water treatment

This product specification sheet provides an overview of relevant technical data regarding MICRODYN AQUADYN® UA640 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>	uPVC
	<b>Membrane potting</b>	Epoxy
	<b>Type of Filtration</b>	Out / In, Dead End
	<b>Nominal membrane area</b>	16 m <sup>2</sup> (172 ft <sup>2</sup> )

### PHYSICAL DIMENSIONS



<b>Dry weight</b>	23 kg (50.7 lb)
<b>Module diameter</b>	168mm (6.6in)
<b>Module length</b>	1210mm (47.6in)
<b>Feed / Reject port</b>	1" 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>	1.3 m <sup>3</sup> /h (5.7 gpm)
<b>Max back flush flow</b>	2.6 m <sup>3</sup> /h (11.4 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>	2.4 – 4.8 Nm <sup>3</sup> /h (1.45 – 2.8 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 meta-bisulphite
<b>Max. active chlorine concentration</b>	100 ppm
<b>Max. active chlorine exposure</b>	100 000 ppm·h
<b>Max. hydrogen peroxide conc.</b>	500 ppm
<b>Max. hydrogen peroxide exposure</b>	500 000 ppm·h

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



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