



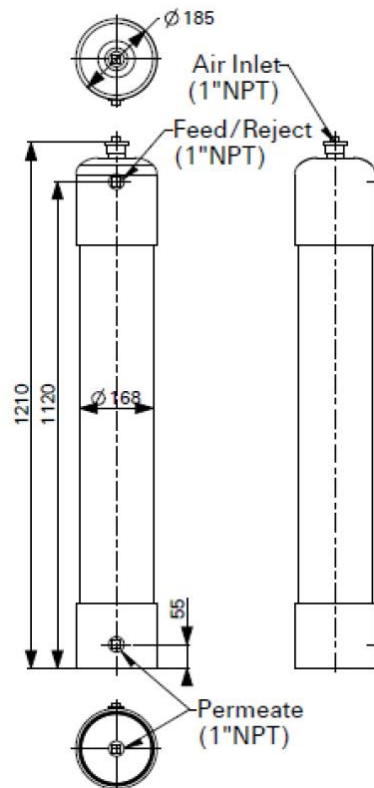
MICRODYN AQUADYN® UA640

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.

MEMBRANE CHARACTERISTICS	Membrane polymer	Polyacrylonitrile (PAN)
	Nominal pore size	0.025 µm
	Membrane type	Hollow fiber
	Hollow fiber diameter OD / ID	2.1mm / 1.1mm
MODULE SPECIFICATION	Housing material	uPVC
	Membrane potting	Epoxy
	Type of Filtration	Out / In, Dead End
	Nominal membrane area	16 m ² (172 ft ²)

PHYSICAL DIMENSIONS



Dry weight	23 kg (50.7 lb)
Module diameter	168mm (6.6in)
Module length	1210mm (47.6in)
Feed / Reject port	1" NPT
Permeate port	1" NPT
Air inlet port	1" NPT

**OPERATING
PARAMETERS**

Max water flow	1.3 m ³ /h (5.7 gpm)
Max back flush flow	2.6 m ³ /h (11.4 gpm)
Max. trans membrane pressure	1 bar (14.5 psi)
Max module pressure	2 bar (29 psi)
Air flow rate	2.4 – 4.8 Nm ³ /h (1.45 – 2.8 scfm)
Air pressure	<0.5bar (<7.3psi)
Temperature range	5-45°C (41-113°F)
pH range operation	2-10

**CLEANING
PARAMETERS**

pH range cleaning	1-10
Max. temperature during cleaning	45°C (113°F)
Preservative	Sodium metabisulfite
Max. active chlorine concentration	100 ppm
Max. active chlorine exposure	100 000 ppm·h
Max. hydrogen peroxide conc.	500 ppm
Max. hydrogen peroxide exposure	500 000 ppm·h

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



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