



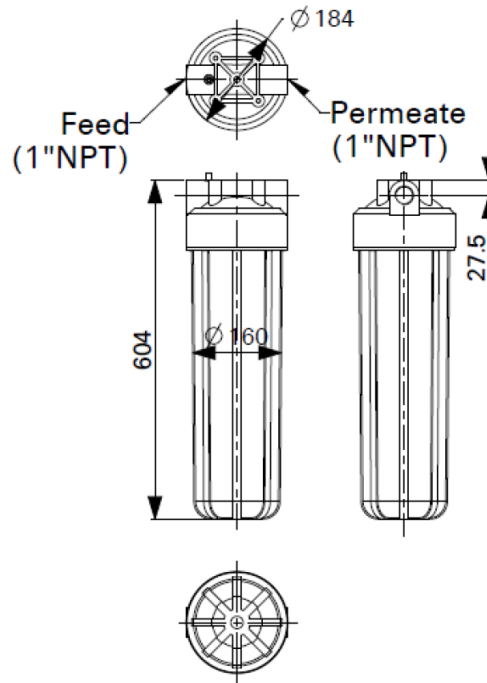
MICRODYN AQUADYN® UA420

Membrane modules for water treatment

This product specification sheet provides an overview of relevant technical data regarding MICRODYN AQUADYN® UA420 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	Reinforced PP
	Membrane potting	Epoxy
	Type of Filtration	Out / In, Dead End
	Nominal membrane area	6 m ² (65 ft ²)

PHYSICAL DIMENSIONS



Dimensions for reference only

Dry weight	8 kg (17.6 lb)
Module diameter	160mm (6.3in)
Module length	604mm (23.8in)
Feed	1" NPT
Permeate port	1" NPT
UA420-E	Fiber element only
UA420-BT	Transparent housing
UA420-BB	Blue housing

**OPERATING
PARAMETERS**

Max water flow	0.72 m ³ /h (3.2 gpm)
Max. trans membrane pressure	3 bar (43.5 psi)
Max module pressure	4 bar (58 psi)
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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