

416-UF(PS1)

FACT SHEET

UF Full-Fit* membrane element post-treatment of RO and NF

Table 1: Element Specifications

Model	416-UF(PS1)
Flux Rate	GFD: 10-20 (lh-1m-2): 15-35
Active Area	Ft ² : 80 m ² : 7.4
Molecular Weight Cut-off Daltons	6,000
Part Number	1224015

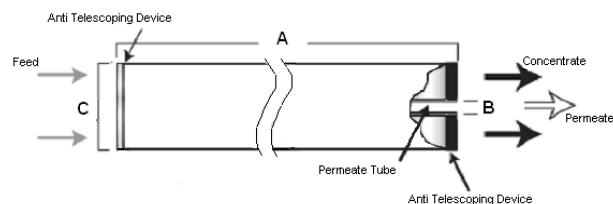


Figure 1: Element Dimensions Diagram

Table 2: Element Dimensions and Weight

Model	Dimensions, inches (mm)			Weight lbs (kg)
	A	B	C ¹	
416-UF(PS1)	40 (1016)	0.775 (20)	3.94 (100)	11 (5)

¹ The element diameter (dimension C) is designed for optimum performance in Veolia pressure vessels. Other pressure vessel dimension and tolerance may result in excessive bypass

Table 3: Operating and Design Parameters

Membrane	Polyethersulfone
Typical Operating Pressure	30-60psig (206-414 kPa)
Maximum Pressure	300psig (2095 kPa)
Maximum Pressure Drop	10 psig (69 kPa) per element 50 psig (345 kPa) per vessel
Chlorine Tolerance	5,000 ppm+ days
Typical Operating Flux	10-20 GFD (17-34 L.H-1.M-2)
Operating pH Range	2.0-11.0
Cleaning pH Range	2.0-11.5
Maximum Temperature	122°F / 50°C
Feed NTU	<1
Feed SDI	<5

Notes:

The Langelier Saturation Index (LSI) of the concentrate must be negative to minimize the possibility of calcium scale formation on the membrane surface.

At start-up the first two hours of permeate should be discarded because of element preservative.

Storage conditions should be at a minimum of: <100°F, dry, in original carton and not in direct sunlight.

Veolia Water Technologies
Please contact us via:
www.veoliawatertechnologies.com