

## PE10-3838-N Product Line Sanitary Ultrafiltration (UF) Element

### Physical Dimensions

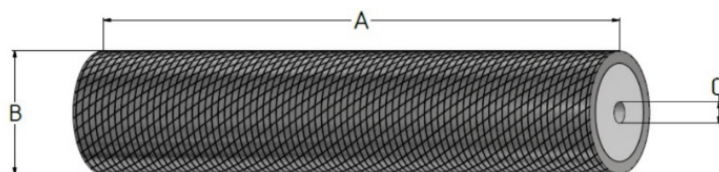
Membrane Element	Membrane Area	Element Length "A"	Element Diameter "B"	Permeate Tube ID "C"
PE10-3838-31N <sup>†</sup>	73.4ft <sup>2</sup> (6.81m <sup>2</sup> )	38in (965.2mm)	3.8in (96.52mm)	0.83in (21.08mm)
PE10-3838-46N	58.6ft <sup>2</sup> (5.44m <sup>2</sup> )	38in (965.2mm)	3.8in (96.52mm)	0.83in (21.08mm)
PE10-3838-65N	47.5ft <sup>2</sup> (4.41m <sup>2</sup> )	38in (965.2mm)	3.8in (96.52mm)	0.83in (21.08mm)
PE10-3838-80N	40.7ft <sup>2</sup> (3.78m <sup>2</sup> )	38in (965.2mm)	3.8in (96.52mm)	0.83in (21.08mm)

<sup>†</sup>(31-80) Feed spacer net thickness (mils)

### Operating Parameters<sup>‡</sup>

Feed Spacer Thickness	Max. Element $\Delta P$	Recommended Design Cross Flow
31 Mil	15 psi (1 bar)	25 gpm (5.7 m <sup>3</sup> /h)
46 Mil	20 psi (1.4 bar)	29 gpm (6.6 m <sup>3</sup> /h)
65 Mil	25 psi (1.7 bar)	33 gpm (7.5 m <sup>3</sup> /h)
80 Mil	25 psi (1.7 bar)	35 gpm (7.9 m <sup>3</sup> /h)

<sup>‡</sup>Recommended Nominal Values



Complies with 3A Sanitary Standards, FDA (CFR Title 21), EU Commission Directive 2002/72/EC.

High temperature, high pressure and specialty configurations are also available.

Consult Nanostone or visit our website for more information.

PE10 Membrane Care <sup>‡</sup>	
Process pH Limitations	2-10
Max. Process Temperature	131°F (55°C)
CIP pH Limitations @122°F (50°C)	1.8-11
Max. CIP Temperature**	122°F (50°C)

\*\* Consult factory for detailed cleaning instructions