

## PE5-8040-N Product Line Sanitary Ultrafiltration (UF) Element

### Physical Dimensions

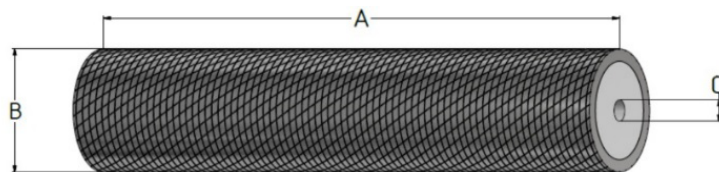
Membrane Element	Membrane Area	Element Length "A"	Element Diameter "B"	Permeate Tube ID "C"
PE5-8040-31N <sup>†</sup>	340ft <sup>2</sup> (31.59m <sup>2</sup> )	40in (1016mm)	8.0in (203.2mm)	1.125in (28.57mm)
PE5-8040-46N	295ft <sup>2</sup> (27.41m <sup>2</sup> )	40in (1016mm)	8.0in (203.2mm)	1.125in (28.57mm)
PE5-8040-65N	224ft <sup>2</sup> (20.81m <sup>2</sup> )	40in (1016mm)	8.0in (203.2mm)	1.125in (28.57mm)
PE5-8040-80N	189ft <sup>2</sup> (17.56m <sup>2</sup> )	40in (1016mm)	8.0in (203.2mm)	1.125in (28.57mm)

<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)	107 gpm (24.3 m <sup>3</sup> /h)
46 Mil	20 psi (1.4 bar)	128 gpm (29.1 m <sup>3</sup> /h)
65 Mil	25 psi (1.7 bar)	143 gpm (32.5 m <sup>3</sup> /h)
80 Mil	25 psi (1.7 bar)	154 gpm (35.0 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.

PE5 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