

PE10HpHt-8040N-WX5A Product Line Sanitary Ultrafiltration (UF) Element

Physical Dimensions

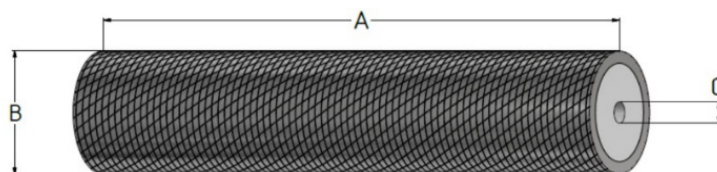
Feed Spacer Thickness	Membrane Area	Element Length "A"	Element Diameter "B"	Permeate Tube ID "C"
31 Mil†	340ft ² (31.59m ²)	40in (1016mm)	8.0in (203.2mm)	1.125in (28.57mm)
46 Mil	295ft ² (27.41m ²)	40in (1016mm)	8.0in (203.2mm)	1.125in (28.57mm)
65 Mil	224ft ² (20.81m ²)	40in (1016mm)	8.0in (203.2mm)	1.125in (28.57mm)
80 Mil	189ft ² (17.56m ²)	40in (1016mm)	8.0in (203.2mm)	1.125in (28.57mm)

†(31-80) Feed spacer net thickness (mils)

Operating Parameters[‡]

Feed Spacer Thickness	Max. Element ΔP	Recommended Design Cross Flow
31 Mil	15 psi (1 bar)	107 gpm (24.3 m ³ /h)
46 Mil	20 psi (1.4 bar)	128 gpm (29.1 m ³ /h)
65 Mil	25 psi (1.7 bar)	143 gpm (32.5 m ³ /h)
80 Mil	25 psi (1.7 bar)	154 gpm (35.0 m ³ /h)

‡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.

PE10HpHt Membrane Care [‡]	
Process pH Limitations	2-10
Max. Process Temperature	140°F (60°C)
CIP pH Limitations @122°F (50°C)	1.8-12.5
Max. CIP Temperature**	185°F (85°C)

** Consult factory for detailed cleaning instructions

***No use of chlorine @ t > 122°F (50°C);

****Maximum pressure drop @ t 140°F (60°C): 10 psi (0.7 bar)