PPG Filtration Technologies

Product Data Sheet PPG 8040-D*1P-FEM

Description

Proprietary Composite Spiral Element

Available in Fiberglass and Netting Wrap configurations

Anti-Telescoping Device (ATD) both ends

Brine seal (one end) - Fiberglass Wrap only

UF membrane is available with super-hydrophilic (SHP) technology for improved fouling resistance

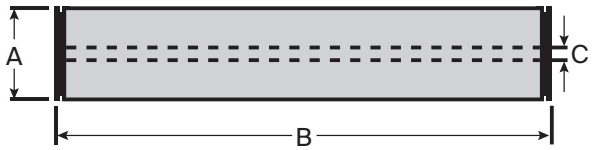
Dimensions

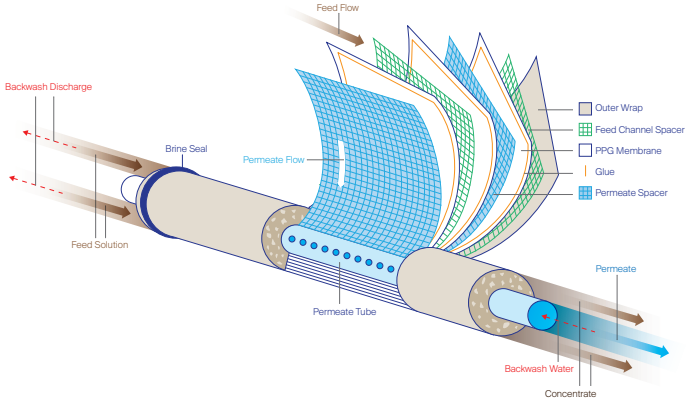
Element Diameter (**A**): 7.92" (201.2 mm)

Element Length (**B**): 40.0" (1016 mm)

Permeate Tube ID (**C**): 1.125" (28.6 mm)

Weight: ~40 lbs (18 kg)





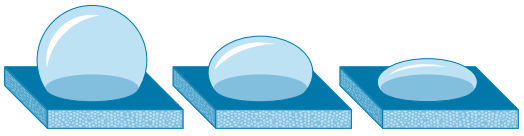
Membrane Properties			
Membrane Material	Proprietary Composite		
Nominal Pore Size (µm)	0.05, 0.15		
Membrane Area	31.6 m^2	24.9 m^2	17.7 m^2
	340 ft^2	268 ft^2	191 ft^2
Feed Spacer	31 mil	43 mil	65 mil
Part # Fiberglass Wrap			
UF	ULC8040-DA1P-FEM11FF	ULC8040-DB1P-FEM11FF	ULC8040-DD1P-FEM11FF
UF SHP**	MMS8040-DA1P-FEM11FF	MMS8040-DB1P-FEM11FF	MMS8040-DD1P-FEM11FF
MF	MNC8040-DA1P-FEM11FF	MNC8040-DB1P-FEM11FF	MNC8040-DD1P-FEM11FF
Part # Netting Wrap			
UF	ULC8040-DA1P-NNM11FF	ULC8040-DB1P-NNM11FF	ULC8040-DD1P-NNM011FF
UF SHP**	MMS8040-DA1P-NNM11FF	MMS8040-DB1P-NNM11FF	MMS8040-DD1P-NNM011FF
MF	MNC8040-DA1P-NNM11FF	MNC8040-DB1P-NNM11FF	MNC8040-DD1P-NNM11FF
Method of Operation	Cross Flow		

**Super-hydrophilic

Operating Parameters				
Feed Spacer Configuration		31 mil	43 mil	65 mil
pH Range		1.8 - 10		
Maximum Temperature	Continuous (Netting Wrap)	≤ 43°C (110°F)		
	Continuous (Fiberglass Wrap)	≤ 57°C (135°F)		
	Clean-In-Place [CIP]	≤ 50°C (122°F)		
Typical Flux Rate, Pure Water	LMH	35 -135		
	GFD	20 - 80		
Maximum Flow Rate	GPM	100		
	m^3/h	22.7		
Maximum Feed Pressure	bar	≤ 6.9		
	psi	≤ 100		
Maximum Differential Pressure (per element)	bar	≤ 1.4		
	psi	≤ 20		
Backwash/Permeate Pressure	bar	≤ 3.5		
	psi	≤ 30		
Backwash Flow Rate	m^3/h	3.2	2.5	1.8
	GPM	14	11	8.0
Typical Recovery Rate (per element)		21%	14%	8%

UF Super-hydrophilic Anti-fouling Membrane

Designed for a wider range (higher levels – single digit % versus trace) of oily waste or process waters containing oils, greases and other tough-to-remove contaminants. Our super-hydrophilic membrane (SHP) extends the service life of membranes and reduces maintenance and replacement costs.



* Feed Spacer Configuration

The specifications for this product are the dimensions and element properties identified on this Product Data Sheet. The operating parameters on this Product Data Sheet are based upon information believed by PPG to be currently accurate; however, PPG makes no representations or warranties regarding the accuracy of the operating parameters or any other information on this Product Data Sheet. PPG also makes no representations or warranties regarding the performance or results of this product, or regarding freedom from patent infringement in the use of any formulae or process on this Product Data Sheet. Improvements in filtration technology may cause operating parameters to vary from what is on this Product Data Sheet.

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