

PPG Filtration Technologies

		PPG Filtration 8040			PPG Filtration 4040			PPG Filtration 2540	
Element Properties¹									
Membrane Area ²		31.6 m ²	24.9 m ²	17.7 m ²	6.7 m ²	5.3 m ²	3.7 m ²	1.8 m ²	1.4 m ²
		340 ft ²	268 ft ²	191 ft ²	72 ft ²	57 ft ²	40 ft ²	19 ft ²	15 ft ²
Feed Spacer		31 mil	43 mil	65 mil	31 mil	43 mil	65 mil	31 mil	43 mil
Diameter (C)		7.9"	7.9"	7.9"	3.9"	3.9"	3.9"	2.4"	2.4"
Length (A)		40"	40"	40"	40"	40"	40"	40"	40"
Permeate Tube Diameter (B)		1.125" (ID)	1.125" (ID)	1.125" (ID)	0.625" (ID)	0.625" (ID)	0.625" (ID)	0.75" (OD)	0.75" (OD)
Part # Fiberglass Wrap									
UF		ULA8040-DA1P-FEM11FF	ULA8040-DB1P-FEM11FF	ULA8040-DD1P-FEM11FF	ULA4040-DA1P-FEM06FF	ULA4040-DB1P-FEM06FF	ULA4040-DD1P-FEM11FF	ULA2540-DA1P-FEL07CC	ULA2540-DB1P-FEL07CC
MF		MNA8040-DA1P-FEM11FF	MNA8040-DB1P-FEM11FF	MNA8040-DD1P-FEM11FF	MNA4040-DA1P-FEM06FF	MNA4040-DB1P-FEM06FF	MNA4040-DD1P-FEM11FF	MNA2540-DA1P-FEL07CC	MNA2540-DB1P-FEL07CC
Part # Netting Wrap									
UF		ULA8040-DA1P-NNM11FF	ULA8040-DB1P-NNM11FF	ULA8040-DD1P-NNM11FF	ULA4040-DA1P-NNM06FF	ULA4040-DB1P-NNM06FF	ULA4040-DD1P-NNM11FF	ULA2540-DA1P-NNL07CC	ULA2540-DB1P-NNL07CC
MF		MNA8040-DA1P-NNM11FF	MNA8040-DB1P-NNM11FF	MNA8040-DD1P-NNM11FF	MNA4040-DA1P-NNM06FF	MNA4040-DB1P-NNM06FF	MNA4040-DD1P-NNM11FF	MNA2540-DA1P-NNL07CC	MNA2540-DB1P-NNL07CC
Method of Operation		Cross Flow							
Membrane Properties³									
Material		Proprietary Composite							
Nominal Pore Size (µm)		0.05, 0.15							
pH Range		1.8 - 10							
Maximum Temperature ^{4,5}	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 Feed Pressure	bar	≤ 6.9							
	psi	≤ 100							
Maximum Differential Pressure (per element) ⁶	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	0.7	0.5	0.4	0.2	0.1
	GPM	14	11	8.0	3.0	2.4	1.7	0.8	0.6
Typical Recovery Rate (per element) ⁷		21%	14%	8%	16%	9%	6%	15%	11%

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.

- Other sizes and custom configurations are available
- Reported membrane area is nominal average
- Pilot testing is recommended to define process requirements for your application
- Flux rates are reduced at low operating temperatures

- Special high temperature configuration with max T of 68°C (155°F) is available for 8 inch elements
- Maximum differential pressure is reduced at elevated operating temperatures, i.e. > 43°C (>110°F)
- Flow rate and recovery rate per element is application specific

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