MaxFlux Membranes

Data Sheet

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Ultrafiltration Module

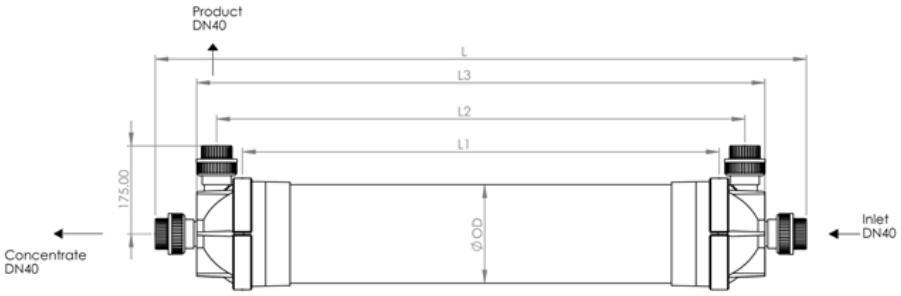
MX-UF-PVDF-8040

Performance (for most Feed Water)	
Filtrate Flow	1.2-4 m^3/hr
Filtrate Turbidity	≤0.1 NTU
Filtrate SDI_{15}	≤3

Type Configuration: Capillary Ultra Filtration Module	
Membrane Polymer	PVDF
Nominal Membrane Area	40 m^2
Nominal Pore Size	0.03µm
Fiber Dimensions	ID 1.5mm, OD 2.1mm

Operating Parameters (for General use)	
Typical Filtrate Flux Range	30-100 LMH
Backwash Flux	60-200 LMH
Maximum Applied Feed Pressure	3.5 bar
Maximum Backwash Pressure	2.5 bar
Maximum TMP	2.1 bar
Operating Temperature range	5-40 °C
pH Operating Range	4-9(During Chemical washing 1-11)
Operating Mode	Outside-In Filtration
NaOCl (max.)	2000 ppm
TSS (max.)	50 ppm
Particle Size (max.)	100 µm
COD (max.)	50 ppm

Properties	Length				Diameter	Width	
Units	**L**	**L1**	**L2**	**L3**	**D**	**W1**	**W2**
SI (mm)	1345	975	1085	1165	200	175	260



MaxFlux Membranes

Data Sheet

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Ultrafiltration Module

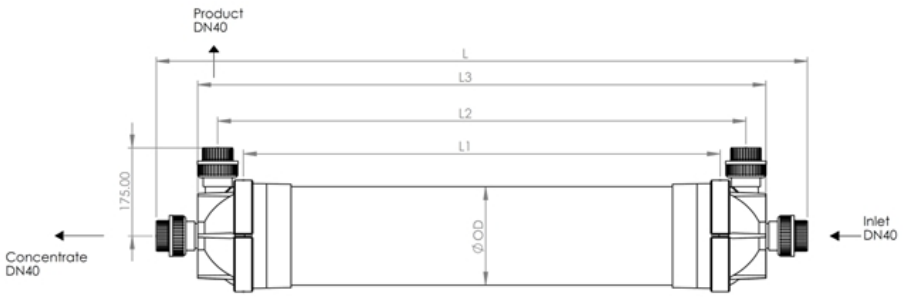
MX-UF-PVDF-8060

Performance (for most Feed Water)	
Filtrate Flow	1.8-6 m^3/hr
Filtrate Turbidity	≤0.1 NTU
Filtrate SDI_{15}	≤3

Type Configuration: Capillary Ultra Filtration Module	
Membrane Polymer	PVDF
Nominal Membrane Area	60 m^2
Nominal Pore Size	0.03µm
Fiber Dimensions	ID 1.5mm, OD 2.1mm

Operating Parameters (for General use)	
Typical Filtrate Flux Range	30-100 LMH
Backwash Flux	60-200 LMH
Maximum Applied Feed Pressure	3.5 bar
Maximum Backwash Pressure	2.5 bar
Maximum TMP	2.1 bar
Operating Temperature range	5-40 °C
pH Operating Range	4-9(During Chemical washing 1-11)
Operating Mode	Outside-In Filtration
NaOCl (max.)	2000 ppm
TSS (max.)	50 ppm
Particle Size (max.)	100 µm
COD (max.)	50 ppm

Properties	Length				Diameter	Width	
Units	**L**	**L1**	**L2**	**L3**	**D**	**W1**	**W2**
SI (mm)	1832.6	1500	1581.2	1663	200	175	260



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Ultrafiltration Module

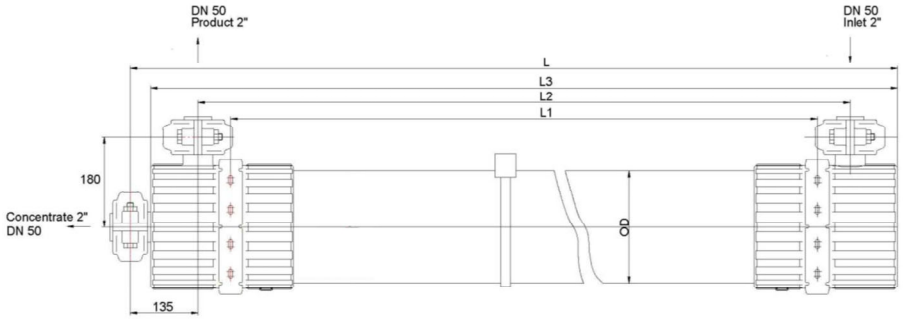
MX-UF-PVDF-2860

Performance	
Filtrate Flow	2-6 m^3/hr
Filtrate Turbidity	≤0.1 NTU
Filtrate SDI_{15}	≤3

Type Configuration: Capillary Ultra Filtration Module	
Membrane Polymer	PVDF
Nominal Membrane Area	60 m^2
Nominal Pore Size	0.03µm
Fiber Dimensions	ID 1.5mm, OD 2.1mm

Operating Parameters (for General use)	
Typical Filtrate Flux Range	30-100 LMH
Backwash Flux	60-200 LMH
Maximum Applied Feed Pressure	3.5 bar
Maximum Backwash Pressure	2.5 bar
Maximum TMP	2.1 bar
Operating Temperature range	5-40 °C
pH Operating Range	4-9(During Chemical washing 1-11)
Operating Mode	Outside-In Filtration
NaOCl (max.)	2000 ppm
TSS (max.)	50 ppm
Particle Size (max.)	100 µm
COD (max.)	50 ppm

Properties	Length				Diameter	Width	
Units	**L**	**L1**	**L2**	**L3**	**D**	**W1**	**W2**
SI (mm)	1860	1500	1630	1820	225	180	342



MaxFlux Membranes

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Ultrafiltration Module

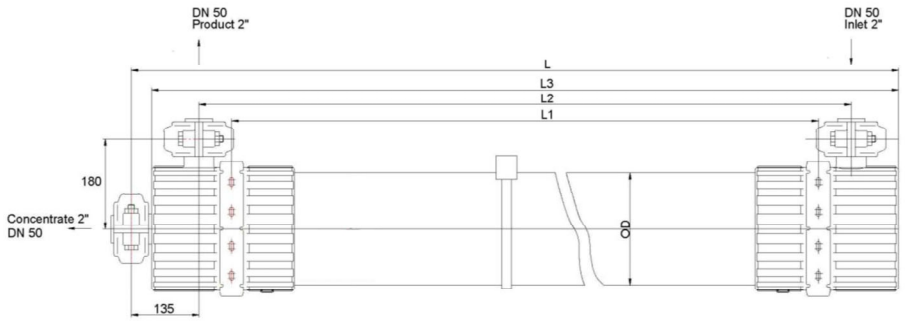
MX-UF-PVDF-2880

Performance	
Filtrate Flow	2.25-7.5 m^3/hr
Filtrate Turbidity	≤0.1 NTU
Filtrate SDI_{15}	≤3

Type Configuration: Capillary Ultra Filtration Module	
Membrane Polymer	PVDF
Nominal Membrane Area	75 m^2
Nominal Pore Size	0.03µm
Fiber Dimensions	ID 1.5mm, OD 2.1mm

Operating Parameters (for General use)	
Typical Filtrate Flux Range	30-100 LMH
Backwash Flux	60-200 LMH
Maximum Applied Feed Pressure	3.5 bar
Maximum Backwash Pressure	2.5 bar
Maximum TMP	2.1 bar
Operating Temperature range	5-40 °C
pH Operating Range	4-9(During Chemical washing 1-11)
Operating Mode	Outside-In Filtration
NaOCl (max.)	2000 ppm
TSS (max.)	50 ppm
Particle Size (max.)	100 µm
COD (max.)	50 ppm

Properties	Length				Diameter	Width	
Units	**L**	**L1**	**L2**	**L3**	**D**	**W1**	**W2**
SI (mm)	2360	2000	2130	2320	225	180	342



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Ultrafiltration Module

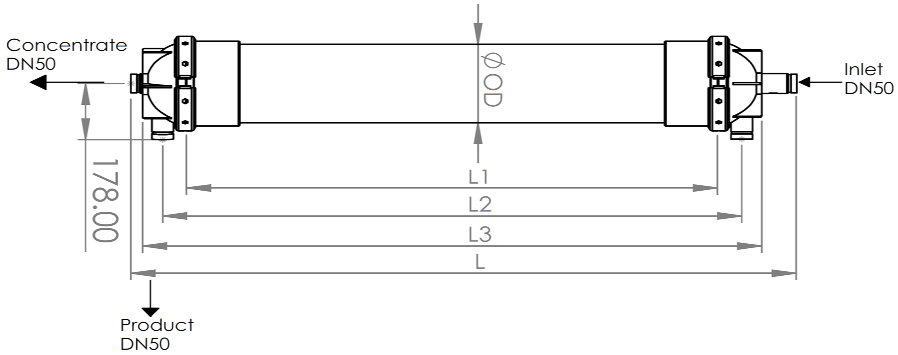
MX-UF-PVDF-1080

Performance	
Filtrate Flow	3-10.2 m^3/hr
Filtrate Turbidity	≤0.1 NTU
Filtrate SDI_{15}	≤3

Type Configuration: Capillary Ultra Filtration Module	
Membrane Polymer	PVDF
Nominal Membrane Area	102 m^2
Nominal Pore Size	0.03µm
Fiber Dimensions	ID 1.5mm, OD 2.1mm

Operating Parameters (for General use)	
Typical Filtrate Flux Range	30-100 LMH
Backwash Flux	60-200 LMH
Maximum Applied Feed Pressure	3.5 bar
Maximum Backwash Pressure	2.5 bar
Maximum TMP	2.1 bar
Operating Temperature range	5-40 °C
pH Operating Range	4-9(During Chemical washing 1-11)
Operating Mode	Outside-In Filtration
NaOCl (max.)	2000 ppm
TSS (max.)	50 ppm
Particle Size (max.)	100 µm
COD (max.)	50 ppm

Properties	Length				Diameter	Width	
Units	**L**	**L1**	**L2**	**L3**	**D**	**W1**	**W2**
SI (mm)	2341	1982.9	2110.9	2200.7	250	178	370



MaxFlux Membranes

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Ultrafiltration Module

MX-MBR-M-70

Curtain Specification: MX-MBR-C-0.7

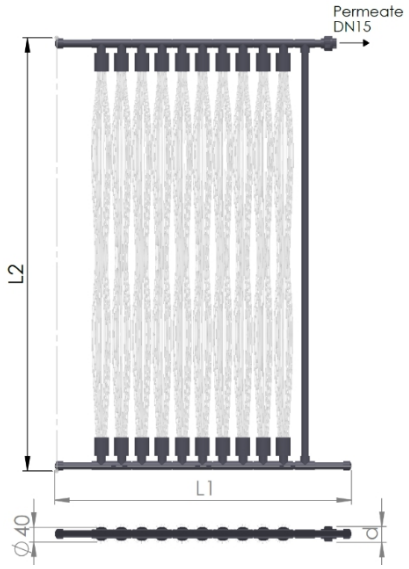
Effective Curtain Area	0.7 m^2
Membrane Polymer	Reinforced Polyvinylidene Fluoride (RPVDF)
Nominal Pore Size	50-90 nm
Fiber Dimensions	ID 1.5mm, OD 2.1mm
L1/L2/d	807mm/1180.5mm/40mm
Permeate Port	DN15

Operating Parameters (for General use)

Typical Filtrate Flux Range	10-30 LMH
Maximum Filtration Transmembrane Pressure (TMP)	-0.6 bar
Maximum Backwash Transmembrane Pressure (TMP)	1.2 bar
Operating Temperature range	5-40 °C
pH Operating Range	3-10(During Chemical washing 1-11)
Optimum pH Range	6-9
Operating Mode	Suction with Negative Pressure, Outside to Inside
NaOCl (max.)	1000 ppm
Chemically Enhanced Backwash (CEB) Flux	8 LMH

Module Specification

Model	Effective Area	Permeate Port	Number of Curtain	L*W*H (mm)
MX-MBR-M-70	70 m^2	DN50	10	905*790*1428



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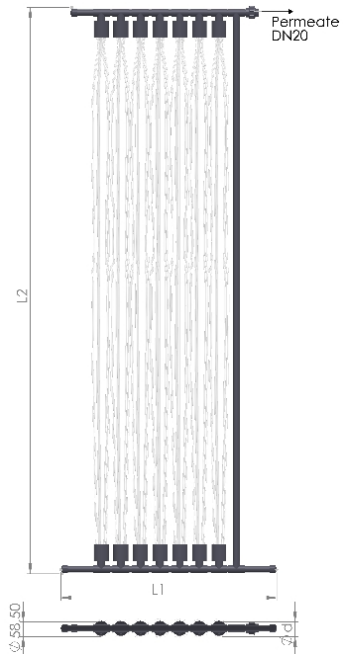
Ultrafiltration Module

MX-MBR- M-260



Curtain Specification: MX-MBR-C-26

Effective Curtain Area	26 m^2
Membrane Polymer	Reinforced Polyvinylidene Fluoride (RPVDF)
Nominal Pore Size	50-90 nm
Fiber Dimensions	ID 1.5mm, OD 2.1mm
L1/L2/d	846mm/2226.5mm/58.5mm
Permeate Port	DN20

Operating Parameters (for General use)

Typical Filtrate Flux Range	10-30 LMH
Maximum Filtration Transmembrane Pressure (TMP)	-0.6 bar
Maximum Backwash Transmembrane Pressure (TMP)	1.2 bar
Operating Temperature range	5-40 °C
pH Operating Range	3-10(During Chemical washing 1-11)
Optimum pH Range	6-9
Operating Mode	Suction with Negative Pressure, Outside to Inside
NaOCl (max.)	1000 ppm
Chemically Enhanced Backwash (CEB) Flux	8 LMH

Module Specification

Model	Effective Area	Permeate Port	Number of Curtain	L*W*H (mm)
MX-MBR-M-260	260 m^2	DN50	10	905*790*2530