

# **UNISOL Food & Dairy MF Elements**

## Sanitary MF Spiral Wound Elements

#### SN MPV020

Description	UNISOL sanitary MF is a PVDF membrane with the pore size at $0.2\mu$ m, this high-flux membrane is often used to remove macromolecules and concentrate large organic solutes, it is often used for Food, Beverage, wine filtration etc.			
Characteristics	Membrane Chemistry	PVDF		
	Pore size	0.2µm		
	Outer wrap	Net wrap		
	Regulatory Status	1935/2004, and EU Reg.	CFR Title 21, EC Reg. No. No. 10/2011. slamic Food and Nutrition	
		Council of America (IFANCA).		
		Kosher certificate by Committee of Kashrut.		
Limits	Max Operating Pressure	10 bar (145 psi)		
	Max Pressure Drop	1 bar (14.5 psi)		
	Max. Operating Temperature	55 °C (131 °F)		
	Max. Cleaning Temperature	50 °C (122 °F)		
	Operating pH Range	2 – 10		
	Cleaning pH Range	1.8 - 11		
Area ft <sup>2</sup> (m <sup>2</sup> )	31mil diamond spacer	SN MPV020 3838B 75 (7.0)	75 (7.0)	
	46mil diamond spacer	SN MPV020 3838C	58 (5.4)	
	31mil diamond spacer	SN MPV020 4040B	85 (7.9)	
	46mil diamond spacer	SN MPV020 6338C	172 (16)	

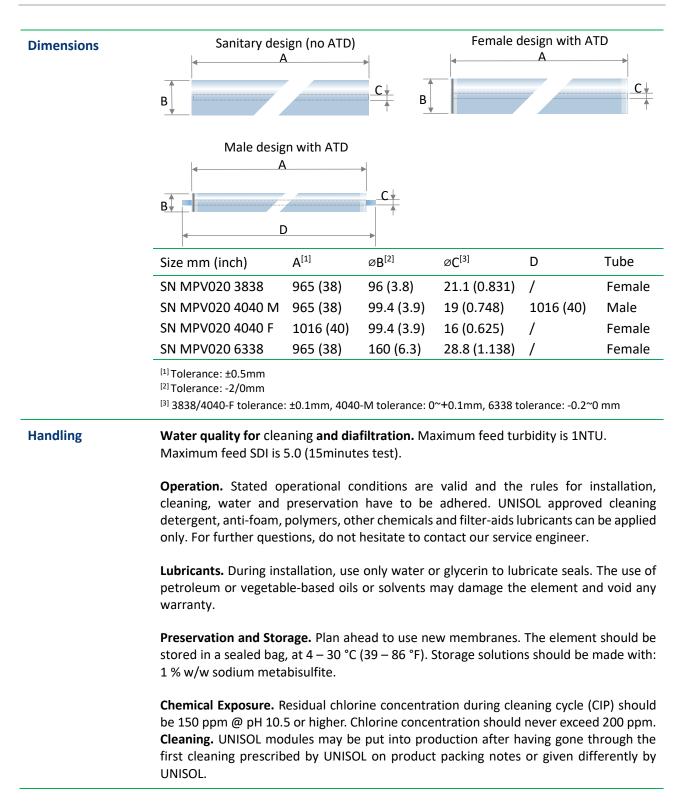
<sup>(1)</sup> For the purpose of improvement, specifications may be updated periodically

<sup>(2)</sup> Detailed information can be found in the appendix on the last page.

<sup>(3)</sup> Consult UNISOL Membrane Technology when intend to operate at elevated pressure, temperature,

concentrations.





### Annex

### Nomenclature: SN-MPV020-8038-B

SN	MPV020	8038	В
Design/Application	Membrane	Diameter & Length	Feed spacer
SN	MPV020	3838	B: 31mil /0.8mm (diamond)
Sanitary Design		3840	C: 46mil/1.1mm (diamond)
		4040	E: 65mil /1.6mm (diamond)
		4338	F: 80mil /2.0mm (diamond)
		6338	
		6438	
		8038	