

Vinoclear

FACT SHEET

Processing and Wine Clarification

The J-Series family of polyvinylidene fluoride (PVDF) microfiltration membrane elements are designed for clarification of process streams and feature a nominal pore size of 0.3 micron.

The Vinoclear Elements are used for removal of suspended solids and intended to replace Diatomaceous Earth filtration. The main applications for these elements are wine and vinegar clarification.

The Vinoclear Elements feature a Durasan* Cage patented outerwrap, wide process feed spacers, and polysulfone parts.

Table 1: Element Specification

Membrane	J-Series, Polyvinylidene Fluoride
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Model	Spacer mil (mm)	Active area ft ² (m ²)	Part number
Vinoclear MF 8040C50	50 (1.27)	265 (24.6)	1230070

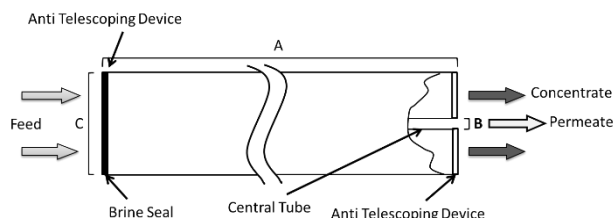


Figure 1: Element Dimensions Diagram

Table 2: Dimensions and Weight

Model	Dimensions, inches (cm)			Boxed Weight lbs (kg)
	A	B	C	
Vinoclear MF 8040C50	40.00 (101.6)	1.125 (2.86)	7.91 (20.1)	29 (13.2)

Table 3: Operating and CIP parameters

Typical Operating Pressure	50-100psi (345-690kPa)
Typical Operating Flux	5-20 GFD (8-34 LMH)
Maximum Operating Pressure	150psi (1,034kPa)
Maximum Temperature	Continuous operation: 122°F (50°C) Clean-in Place (CIP): 122°F (50°C)
pH Range	Continuous operation: 3.0-10.0 Clean-in Place (CIP): 2.0-11.5
Maximum Pressure Drop	Over an element: 15psi (103kPa) Per housing: 45psi (310kPa) Max. 3 elements recommended per housing.
Chlorine Tolerance	5,000+ ppm-days