

## Enereau Drop-In MBR Retrofit Solutions

### Direct Replacement Membranes & Cassettes for Legacy ZeeWeed® MBR Systems

#### **Enereau SP-500D™ MBR Membrane**

Direct Replacement for Veolia ZeeWeed® 500D

The SP 500D™ MBR membrane is a direct drop-in replacement for ZeeWeed® 500D membranes. The module is engineered to match original fiber dimensions, potting configuration, and hydraulic performance, allowing direct installation into existing 500D systems with no retrofitting required.

Featuring 0.04 µm PVDF hollow-fiber membranes, the SP 500D™ delivers equivalent filtration performance and chemical durability to original membranes, supporting regulatory compliance and long-term operational reliability.



Membrane Dimensions – SP-500D™ MBR Membrane										
Product	Height (mm)	Depth (mm)	Width (mm)	Nominal Surface Area (m <sup>2</sup> )	Max. Shipping Weight kg (lb)	Membrane Material	Nominal Pore Size	Surface Properties	Fiber Diameter (mm)	Flow Path
SP-500D (440)	2,198	844	49	40.9	32 (70)	PVDF	0.04 micron	Non-ionic & Hydrophilic	OD: 1.9 ID: 0.8	Outside-In
SP-500D (430)				40.0	32 (70)					
SP-500D (370)				34.4	28 (61)					
SP-500D (340)				31.6	26 (57)					
SP-500D (350s)	1,835	32.5	26 (57)							
SP-500D (300s)		27.9	24 (53)							

### **Enereau SP-500S™ MBR Membrane**

Direct Replacement for Veolia ZeeWeed® 500S

The SP-500S™ MBR membrane is designed as a drop-in replacement for legacy ZeeWeed® 500S membrane modules. The module matches the original overall dimensions, port locations, and hydraulic characteristics, allowing seamless installation into existing 500S racks without structural modification or system redesign.

Constructed with 0.04 µm PVDF hollow-fiber membrane material, the SP-500S™ provides reliable solids separation, strong chemical resistance, and long service life. This Enereau-supplied drop-in retrofit solution enables plant owners to restore membrane performance and extend the life of existing MBR infrastructure.



**Membrane Dimensions – SP-500S™ MBR Membrane**

Product	Height (mm)	Depth (mm)	Width (mm)	Nominal Surface Area (m <sup>2</sup> )	Membrane Material	Nominal Pore Size	Surface Properties	Fiber Diameter (mm)	Flow Path
SP-500S (300)	1,838.8	355	216	27.9	PVDF	0.04 micron	Non-ionic & Hydrophilic	OD: 1.9 ID: 0.8	Outside-In

### Enereau SP-500D™ 48M LEAPmbr Cassette

Direct Replacement for Veolia ZeeWeed® 500D 48M

The SP-500D™ 48M Cassette is a direct drop-in replacement cassette for Veolia ZeeWeed 500D 48M LEAPmbr cassettes. Engineered for perfect compatibility, it matches the original dimensions, port configurations, and hydraulic performance. Featuring PVDF membrane, it delivers identical filtration quality and chemical resistance. Designed for seamless integration into existing Veolia MBR systems with no retrofitting required.



Cassette Dimensions – SP-500D™ 48M LEAPmbr Cassette								
Product	Width (mm)	Length (mm)	Height (mm)	Max. # of Membranes	Min. # of Membranes	Permeate Connection	Air Connection	Max. Shipping Weight kg (lb)
SP-48M	1,745	2,112	2,536	48	24	1 × 6" vert. pipe	2 × 3" pipe	1,729 (3,812)
SP-16M	738	1,744	2,504	16	8	1 × 4" FNPT half coupling	1 × 3" FNPT half coupling	714 (1,574)
SP-16Ms			2,141			2 × 3" FNPT half coupling		677 (1,493)