

OV Type Membrane Unit

OVIVO mbr



The most space and energy efficient Ovivo product, the OV400 is a flat-sheet technology comprised of four cassettes. Each cassette contains 25 sheets for a total membrane area of 1,076ft². The flexible sheets are highly resistant to damaging debris and non-clogging. The cassettes rest on a stainless steel box outfitted with Aerostrip diffusers.

Focus Markets/Applications:

1. Small to medium size municipal plants
2. Upgrades, expansions and retrofits
3. Beef, poultry and dairy

Key Features:

1. BulletProof™ design
2. Compact, low-profile, square geometry
3. Universal mounting kits including seismic bracing and pipe / platform supports

Main Advantages:

1. Maximum “self-healing” effect reduces risk
2. Less susceptible to dewatering/clogging means lower maintenance
3. Lowest total installed cost



Parameter	Value
Type	Flat-Sheet
Max. Membrane Area	4,305 ft ² (400m ²)
Membrane Material	Polyethersulfone (PES)
Nominal/Effective Pore Size	<0.04μ/<0.01μ
Pump Assisted Gravity	Yes
Min. Water Depth	11'0" (3.4m)
Appx. Hydraulic Residence Time	0.96hr
Routine Maintenance	Maintenance Cleaning
Backwashable	Yes
Screening Requirement	3.2 mm
Max. Solids Concentration	30,000 mg/l

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