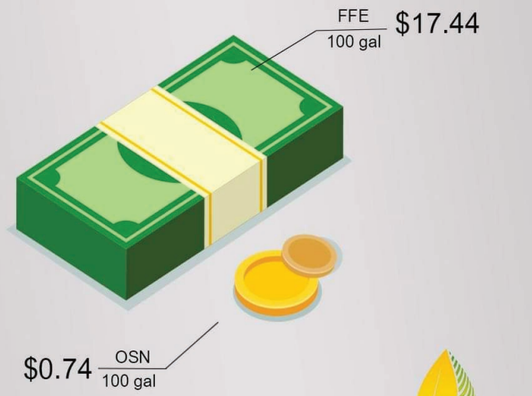
OSN MEMBRANE

Solvent Recovery Costs

Recover 1 gallon of Ethanol for $0.0074



SC Filtration
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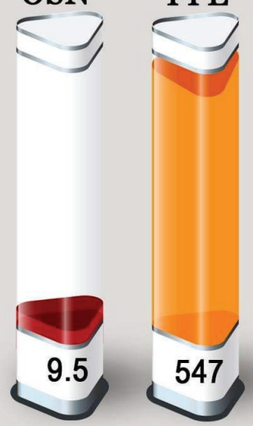
OSN MEMBRANE

Energy Requirements



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FDA COMPLIANT

cGMP CURRENT GOOD MANUFACTURING PRACTICE

OSN MEMBRANE
NANO FILTRATION

SOLVENT RECOVERY, WINTERIZATION, COLOR REMEDIATION

Nanofiltration Membrane system for non-thermal solvent recovery, winterization, color removal, and terpene isolation. Eliminate the need for energy-intensive evaporative solvent recovery, cryo-chilled winterization, and adsorbent-based color removal. Our systems are sized for any facility, both big and small, removing process bottlenecks and reducing costs.

WHERE IT EXCELS:

- Hemp, Cannabis, Kava, Kratom, and mycology Applications
- Recovery of solvent from miscella streams.
- Removing Gums, Sugars and Water Solubles
- Non-Thermal processing

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Membrane Nanotechnology is the tried-and-true filtration method used in desalination plants, among other uses, throughout the world. We applied OS Membranes to this technology to achieve fast solvent recovery without using heat to separate solvents from crude oils. We created a powerful unit ·with large solvent recovery capabilities in a small footprint. We also implemented a dual pump system. The result was an extremely energy-efficient system that makes the Return on Investment for this machine high. Our OSN Membrane skid ·will reduce costs and increase output and product quality as our system does not use heat that may degrade your extracts. Our OSN membranes also preserve terpenes while removing lipids, fats, and waxes at room temperature instead of costly refrigeration.

FEATURES

- UL Listed Components
- High Cross Flow
- Stainless Steel Construction

ADVANTAGES:

- Low amperage connection
- +90% Savings over thermal solvent recovery
- Small footprint
- Preserves Terpenes
- Low-cost replacement membranes

OPTIONAL FEATURES:

Available in one, two, or three-function versions

Model	Depuratore 2.5	Depuratore 4	Depuratore 8
Maximum Flow Rate:	120 GPH	180 GPH	800 GPH
Power Requirements:	19A/230V/3PH 9.5A/460V /3PH 47A/230V/1PH	14.8A/460v/3PH	30.4A/460v/3PH
Membrane Size:	2540	4040	8040
Operating Temperature:	0C to 50C	0C to 50C	0C to 50C
Operating Pressure:	150-750 PSI	150-750 PSI	150-750 PSI
Prefiltration:	<0.2uM Required	<0.2uM Required	<0.2uM Required
Ethanol Recovery %:	70-90%	70-90%	70-90%