

CMS Solvent Recovery

CMS MEMBRANES ARE

1

A **simple, compact, & efficient** way to turn burdensome waste into usable material

2

Robust to **virtually all** chemicals, high temperatures, pressures, and additives

3

Modular allowing recovery across a range of volumes

RECOVERABLE VS REMOVED

alcohols	water
ketones	methanol
esters	low MW acids
ethers	dissolved gasses
furans	O ₂ , N ₂
oils	CO ₂ , CH ₄

96%
recovery of solvent spent

\$400K
saved in solvent for \$10/gal IPA

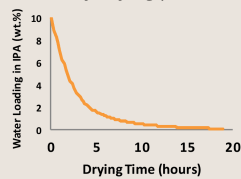
pays for itself within
1 YEAR

THE BENEFITS OF SOLVENT RECOVERY

with a CMS membrane using isopropyl alcohol generating 53,000 gallons of wet waste per year

only
30 ft²
of factory floor space used

A daily drying process:



PHARMA

- Decrease raw material costs
- Improve efficiency of solvent exchange steps
- Improve reactant conversion

- Keep steady supply of IPA for rinsing
- Keep water to proper levels in IPA
- Decrease inventory of spent IPA

SEMICON. PRODUCTION

PAINT & COATINGS

- Decrease solvent costs
- Increase efficiency of rinsing operations
- Stay in regulatory compliance

- Boost final product value
- Improve yield in equilibrium-limited reactions
- Decrease downstream separation costs

BULK CHEMICALS