NEW / Zeolite Membrane Dehydration Technology

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[Marketing Partner]
How can ZEBREX™ help you?

1. ZEBREX™ increases production capacity.
   - ZEBREX™ increases production capacity by 10-20% if there is enough fermentation capacity.
   - A PSA process has a REGEN stream that recycles around 20% of production back to the distillation column.
   - ZEBREX™ doesn’t have REGEN recycle stream line, so it can increase production capacity.

2. ZEBREX™ reduces energy cost.
   - ZEBREX™ reduces overall operation cost compared to a conventional PSA process.
   - Saves significant steam consumption and uses little additional electricity.

3. ZEBREX™ is easy to install and start up.
   - ZEBREX™ units are mounted on a skid for easy field installation.
   - ZEBREX™ process eliminates energy intensive pre-drying operation associated with the PSA process.

What is ZEBREX™?

ZEBREX™ is a cutting-edge zeolite membrane dehydration process. ZEBREX™ is proven at over 70 plants outside of the US.

Separation by Membrane
Ethanol and water are separated by the sharp selectivity of the zeolite, to produce 99.5% purity ethanol and recycle water in a single pass.