



Biofuels Solutions

Powering Reliable, Sustainable
Biofuels Operations



Driving Uptime, Efficiency, and Sustainability in Biofuels

INTEGRATED SOLUTIONS

- Water Reuse & Sustainability
 - In-House UL Certified Panel Shop
 - WaterSim™ Advanced Water Modeling
 - InsituChem™ Chlorine Dioxide
 - CorrVal™ Colorless, Traced Corrosion Inhibitor
 - Evaporator Deposit Control
 - Evaporator and Fermentation Cleaners
 - Capital Equipment
- Reverse Osmosis, Softeners, RO Pretreatment, Ultrafiltration*

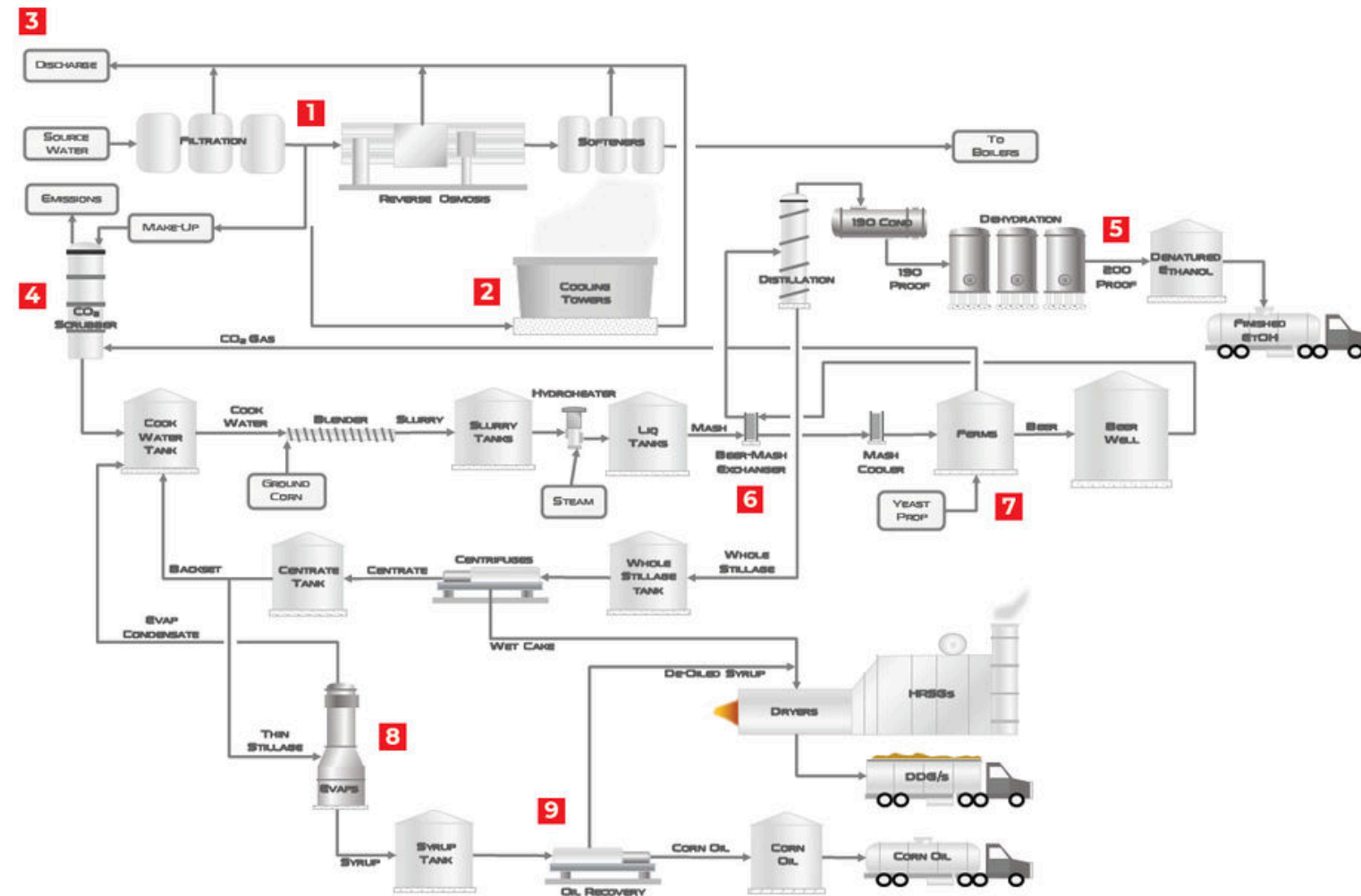
WATERSIM™

This powerful tool provides precise simulations and predictive analytics to optimize water usage and quality throughout your biofuel production process. WaterSim™ enables you to anticipate system performance under various operational scenarios, helping to reduce risks and improve decision-making. By integrating into your workflow, Apex ensures that your water treatment processes are both efficient and sustainable, reducing costs and enhancing system reliability without compromising on performance.

ADVANCED WATER MODELING

- 1 Pretreatment**
Chemistry, equipment, technology and engineering to optimize operations.
- 2 Utility Chemical Treatment**
Apex's cutting-edge chemistry lowers operating costs by maximizing water and chemical efficiencies.
- 3 Discharge Compliance**
We understand regulations and work with our customers to reduce water consumption while being compliant.
- 4 Scrubber Treatment**
Lower water flow rates while remaining compliant with limits.
- 5 Corrosion Additive**
Achieve NACE approved corrosion rates at an industry-low additive cost.
- 6 Exchanger Antifouling**
Deposit control programs to keep heat exchangers operating efficiently.
- 7 Fermentation Aids**
Improve conversion CIP cleanings and deposit control with Apex's additives.
- 8 Evap Deposit Control**
Lower energy use by using deposit control additives targeted for foulant.
- 9 Oil Recovery**
Maximize oil recovery and profits with Apex's COR product.

WATERSIM™ - Optimize the Plant.



WATER EFFICIENCY OPPORTUNITIES IN ETHANOL PRODUCTION

- 90%+** Potential water reuse
- 60%** Potential Reduction in Water Use
- NEAR 0** Discharge possible with ZLD implementation



Sustainable Solutions, Measurable Results

Apex is a trusted leader in water and process management, delivering integrated solutions of chemistry, equipment, automation and services to help industries reduce costs, maximize efficiency, stay compliant, and optimize sustainability.

Learn more



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