

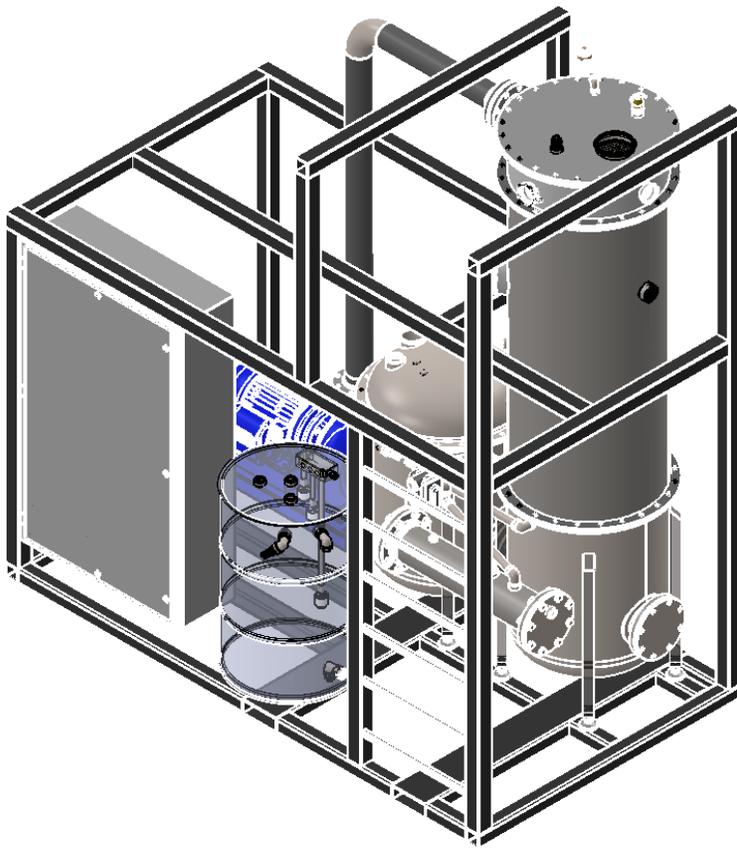
Wastewater Recovery  
Regulatory Relief



## Ultra –Efficient Wastewater Evaporators and Crystallizers

> Recover and reuse wastewater volumes by up to 99%

### X-Series



Engineered to be the most efficient wastewater evaporators and crystallizers on the market, Slipstream's X-Series offers industrial waste generators an elegant and simple solution to a complex problem.

The X-Series platform utilizes world-class, patent-pending technology to deliver wastewater crystallization at a fraction of the cost for competing technologies. With operating efficiencies up to 7 times better than conventional evaporators, wastewater can be completely eliminated from the equation for energy costs of less than \$0.01 per gallon.

The X-Series is also closed-loop so there is no atmospheric emission and no sewer discharge which greatly reduces the regulatory requirements imposed on many industrial wastewater generators.

Constructed of super corrosion-resistant 316L SS or Titanium and mounted within an epoxy coated steel frame, these units are engineered to withstand the most demanding of conditions. Additionally, Slipstream's vast experience in wastewater treatment has allowed us to design a PLC-driven control system that dramatically reduces the need for an operator. Simple Start/Stop commands and fully automated control, coupled with ancillary components selected for their proven reliability, ensure a robust unit that requires minimal oversight and even less maintenance.

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## Key Benefits :



- ◆ Reduces or eliminates regulatory concerns
- ◆ No atmospheric emission or sewer discharge
- ◆ Ultra-Efficient; energy costs as low as \$0.01/gallon
- ◆ Up to 99% water recovery returned as pure distilled water for beneficial reuse
- ◆ Eases the burden on local utilities and lowers billing for water usage
- ◆ Small footprint
- ◆ Accepts a wide range of wastewater chemistry, reducing or eliminating pre-treatment costs
- ◆ Designed with easy maintainability in mind
- ◆ Dependable and reliable operation for minimal downtime
- ◆ Rapid and cost effective installation due to quick and simple inlet and outlet connections

> Fully scalable to meet your wastewater treatment goals

## Key Features :

- ◆ Extremely corrosion resistant materials such as 316L stainless steel or titanium wetted areas
- ◆ Epoxy coated structural steel frame holds up to the harshest conditions
- ◆ Simple Start/Stop operation
- ◆ Allen Bradley PLC with HMI user interface for virtually unattended operation
- ◆ Seamless transition between evaporation and crystallization
- ◆ Designed with easy maintainability in mind
- ◆ Skid mounted frame with integrated forklift pockets for maximum mobility and ease of transportation
- ◆ Fully integrated Stage II Crystallization chamber for solids



> Slipstream's technology can accept wastewater streams containing extremely high dissolved solids and suspended solids concentrations

The Experts in Zero Liquid Discharge