



BZB SILVER-SERPENT Falling Film Evaporator

The best liter per hour per dollar
recovery rate on the market!

170-230 liters per hour
45-60 gallons per hour
continuous ethanol
evaporation



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 @bizzybee999

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Falling Film Evaporator

CONTINUOUS FEED ETHANOL RECOVERY

Features:

- Thermocouples in each column for temp reading and control
- Third-party engineer peer-reviewed report
- Swagelok valves, tube fittings, and hoses

Dimensions:

	Width	Length	Height
FFE Rack	36"	36"	89"
Gear Pump Cart	28"	36"	17"
Control Box	11"	20"	24"
Podium Option*	36"	36"	99.5"

*Places gear pumps directly under evaporator for improved performance

Heating / Chilling Requirements:

Gal per hr	45	60	120+
Kw (Heat)	36	48	48 x 2*
Tons (Chill)	10	13	13 x 2*

* requires two heater/chiller units

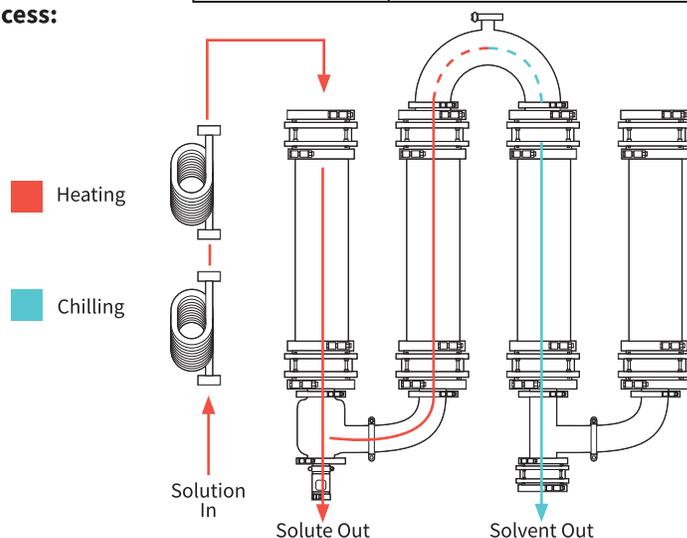
Solvents:

Ethanol
Ethanol denatured with Heptane

Infrastructure Considerations:

Heater	480V, 3 phase, 60 Hz power 60 amp breaker for 36kW 70 amp breaker for 48kW City Water in at 60 psi Drain
Chiller	Indoor/outdoor location 480V, 3 phase power 30-50 amp breaker
Control Box/ Gear Pumps	110V, 1 phase, 60 Hz power
Vacuum Pump	110V, 1 phase, 60 Hz power
Vacuum Regulator	110V, 1 phase, 60 Hz power

Process:



Control Panel



Gear Pumps

State Certifications:



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