

MECHANICAL VAPOR RECOMPRESSION EVAPORATOR (RV TC)



Shown: RV TC15

The Mechanical Vapor Recompression Evaporator is a fully automated, compact, skid mounted treatment system that allows recovery of 90% or more of a wastewater stream for recycling, concentrating contaminants in 10% or less of the original volume. The system allows efficient and cost effective separation of water from other contaminants using sophisticated blower technology. A self-contained design allows continuous, reliable, automatic operation on a 24/7 basis. Separates oils, salts, and other organic and inorganic compounds from wastewater.

Specifications:

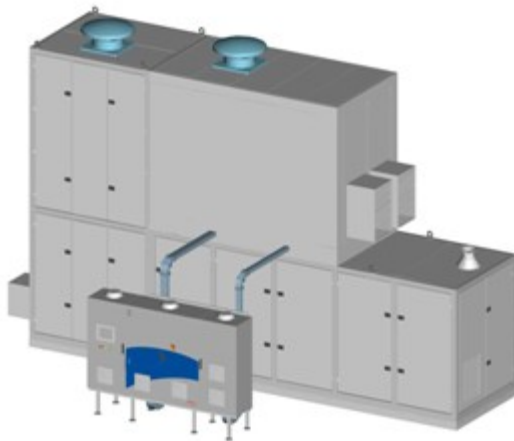
- 2,642 to 31,700 gallon per day models available
- Low specific energy consumption: .19 kWh/gal distillate typical
- Skid mounted design, ready to install
- Factory-piped, wired, and tested before shipment
- Indoor or outdoor installation

Standard Features

- NEMA 4 powder coated steel control panel
- Siemens PLC-based control system with color touchscreen HMI
- Stainless steel frame
- 316L or Superduplex 2507 critical wetted components
- 316L and polypropylene non-critical wetted components
- Stainless steel blower unit
- Automatic anti-foam injection
- Distillate conductivity meter

Optional Features

- Pre- and post-treatment systems
- Storage tanks for process liquids
- pH adjustment of distillate
- Bactericide metering
- Concentrate transfer pumps
- Concentrate density meter
- Concentrate recovery heat exchanger
- Distillate transfer pumps
- Automatic chemical washing
- Custom configurations by request



Shown: RV TC32000 FF 4

ORDERING INFORMATION				
RV TC	Mechanical Vapor Recompression Evaporator			
	Capacity (Choose One)			
	2500	2,642 Gallons per Day		
	4000	3,963 Gallons per Day		
	8000	7,925 Gallons per Day		
	16000	15,850 Gallons per Day		
	32000	31,700 Gallons per Day		
	Wetted Material (Choose One)			
	AA	316L Stainless Steel		
	FF	Superduplex 2507		
	Power Requirements (Choose One)			
	3A	208 VAC / 3 / 60 Hz		
	3B	230 VAC / 3 / 60 Hz		
	4	460 VAC / 3 / 60 Hz		
Example Part Number				
RV TC	2500	AA	4	RV TC2500 AA 4
RV TC	8000	FF	4	RV TC8000 FF 4

