

HEAT PUMP EVAPORATOR (PC F)



Shown: PC F1000 FF 4

The Heat Pump 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 creates a vacuum in a boiling chamber, reducing the boiling temperature to approximately 104°F, thereby allowing efficient and cost effective separation of water from other contaminants using heat pump 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:

- 185 to 12,682 gallon per day models available
- Low specific energy consumption: .49-.64 kWh/gal distillate
- Skid mounted design, ready to install
- Factory-piped, wired, and tested before shipment
- Indoor installation

Standard Features

- NEMA 4 powder coated steel control panel
- Siemens PLC-based control system with color touchscreen HMI
- Stainless steel frame
- 316L, Superduplex 2507, or Hastelloy C22 critical wetted components
- 316L and polypropylene non-critical wetted components
- Environmentally friendly R134a refrigerant system
- Automatic anti-foam injection

Optional Features

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



Shown: PC F6000 FF 4

ORDERING INFORMATION				
PC F	Heat Pump Evaporator			
	Capacity (Choose One)			
	200	185 Gallons per Day		
	350	370 Gallons per Day		
	650	635 Gallons per Day		
	1000	1,057 Gallons per Day		
	1500	1,586 Gallons per Day		
	2000	2,114 Gallons per Day		
	3000	3,114 Gallons per Day		
	6000	6,340 Gallons per Day		
	13000	12,682 Gallons per Day		
	Wetted Material (Choose One)			
	AA	316L Stainless Steel		
	FA	316L and Superduplex 2507		
	FF	Superduplex 2507		
	HH	Hastelloy C22		
	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				
PC F	1000	AA	4	PC F1000 AA 4
PC F	3000	FF	3B	PC F3000 FF 3B

