

Aqualogic[®] Inc.

Evaporators

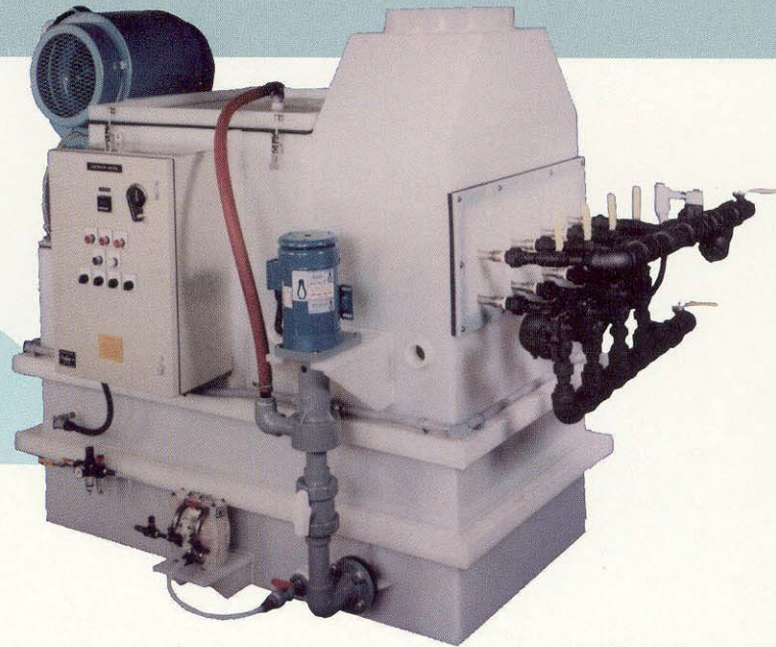
Aqualogic Evaporator System

The Aqualogic Evaporator is an efficient system designed to recover chemicals used in the plating and cleaning process while minimizing waste for disposal. The unit is self-contained and fully assembled including heating coils, blower, pump, and an integrated control panel with temperature and level controls, high-low level alarms, and even an automatic cool down mode for end of day shutdown.

Heated rinsewater recirculates from the reservoir through a conical nozzle. Air from a blower passes through the cone of atomized droplets, instantaneously evaporating water from the droplet surfaces. Metals, salts, and non-volatile organics do not evaporate in the process. Saturated air flows through the mist eliminator and out the exhaust duct. Depending on the chemistry, the concentrate is either returned to the process bath, batch treated, or pumped out for disposal, as determined by concentrations and chemical solubilities.

The Aqualogic Evaporator is designed to operate at temperatures of 155°F or less minimizing the heat degradation of recoverable organics, foaming and misting of alkalis and acids, and the potential for the ignition of oils and grease.

Fabricated from polypropylene (PVC for chrome), the unit can be heated with steam or hot water from your plant source, or from a compact high efficiency electric, natural, or LP fired boiler. Heating coils can be supplied in 316 Stainless Steel, Titanium, or Teflon.



Typical Applications:

- Drag-out Rinse Recovery
- R.O. Reject streams
- Spent cleaners
- Vibratory waste
- Boiler and cooling tower blowdown
- Ion-exchange regenerants
- Batch system effluent
- Compressor blowdown
- Scrubber water

