

Waste-Water Evaporator Series

Evaporator Series is a highly refined very efficient way to eliminate small volumes of generated wash water on demand. This system can receive a waste stream from any pressurized source. The Alkota Evaporator can work as primary or post treatment with a maximum of 720 gallons per day (GPD) with aqueous based parts washers, pressure washer / steam cleaner wash applications and waste water treatment systems just to name a few. This site specific package can eliminate the expense or need of providing a filtration or a water treatment system.

The Evaporator is simple to install and operate. It only requires a 120 volt 20 amp. power supply, fuel supply of choice and venting. Available as a 15/20 & 20/30 natural or propane gas both carries the U.L. listing. The model number simply states that as the effluent begins to concentrate the performance or efficiency drops from a maximum hourly evaporation rate of 20 GPH to approximately 15. The larger of the two models is the 20/30 which delivers up to 30 GPH evaporation rate with a minimum of 20 GPH.

The Evaporator Series utilizes a highly efficient removable and replaceable combustion chamber unmatched by anybody in the industry. The evaporation tank does not create part of the combustion chamber adding years of operational life. The systems are manufactured with 3/8" plate carbon steel bottoms and sides with a fully insulated exterior and painted skins. Stainless steel 304 and 316 are available options for specialty applications. The effluent is received and allowed into the system by an automatically controlled solenoid valve. The water levels in the system are monitored by an electrically grounded solid state control. This level monitor controls a very small differential in effluent volume to maintain a constant evaporation cycle and temperature. Low water shut down with temperature control over ride and manual reset high limit maximize the safety of unattended 24/7 operation.

- **Stationary Exterior Construction:** Totally enclosed 16 gauge carbon steel cabinet with easy to remove or open service doors. Stainless steel is optional.
- **Combustion Chamber:** 2 piece preformed cerafelt construction.
- **Evaporation Tank:** 3/8" plate carbon steel bottom and sides standard w/ 304 & 316 stainless steel optional.
- **Burner:** Forced air, pressurized fuel delivery systems w/ pre-purge gas and electronic ignition w/ auto shut down due to delayed ignition. 250,000 BTU input 15/20 - 400,000 BTU input 20/30.
- **Electrical Specifications:** 120 volt / 20 amp.
- **Safety Controls:** Low and high level sensors with high temperature control and manual reset high limit over ride.
- **Oil Skimmer: Optional** w/ 7 day programmable timer.
- **Operational Temperature Range:** Maximum temperature rating of 230° F.
- **Transfer Pump: Optional.**
- **De-foamer: Standard** kit to eliminate most foaming issues.
- **Venting:** Stainless steel 6" vent pipe w/ fan induced assist. **May require** additional induced vent assist depending on installation parameters.
- **Control Panel:** Alkota designs its control panels with operator convenience as our first concern. The rotary switch provides positive on-off positions for pump operation. Ready for hard wiring with out power feed knife switch.



Model may vary.

MODEL NUMBER	PART NUMBER	DESCRIPTION	DIMENSIONS L x H x W	SHIPPING WEIGHT	* XTREME PACKAGE
15/20	1520-000000	15/20 Evaporator, Natural gas, 120 Volt 1 Ph	84" x 68" x 38"	1370	N/A
15/20	15/20-500000	15/20 Evaporator L.P. gas, 120 Volt 1 Ph	84" x 68" x 38"	1370	N/A
20/30	2030-000000	20/30 Evaporator, Natural gas, 120 Volt 1 Ph	84" x 68" x 38"	1370	N/A
20/30	2030-500000	20/30 Evaporator, L.P. gas, 120 Volt 1 Ph	84" x 68" x 38"	1370	N/A
20/30	2030-200000	20/30 Evaporator Oil, 120 Volt 1 Ph	84" x 68" x 38"	1370	N/A