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Evaporators

For Zero-Discharge Configurations

MODEL AQ-7 Models AQ-12 / 12G

Electrically Powered (Model AQ-7 & AQ-12)
Natural Gas/Propane Heated (Model AQ-12G)

The Model AQ-Series evaporators are available in either a natural gas or propane heated configuration or as an electric model (the Model AQ-7 is available in an electric configuration only). Typical applications include minimizing wastewater from machining operations, parts washing equipment, compressor condensate, mop water, die cast solutions, and many other water based waste-streams. Installation is easy. The Model AQ-7 requires an electrical service and a 6" vent stack. The Model AQ-12 requires an electrical connection and a 10" diameter vent stack. The Model AQ-12G (gas model) requires a 110 VAC electrical connection, a 3/4" standard pressure gas line, and a 10" exhaust stack. The unit can be filled in three different ways: (1) Plumb the feed source into the supplied coupling on the top of the unit; (2) Remove the lid and manually fill the unit; or (3) Use the optional 70 GPM self priming fill pump. After an initial heat up time of approximately one hour, the units will evaporate at the following rates:

AQ-7:	4 GPH (Auto-Fill Mode)	6 GPH (Batch Mode)
AQ-12 AQ-12G:	10 GPH (Auto-Fill Mode)	14 GPH (Batch Mode)
AQ-12G:	12 GPH (Auto-Fill Mode)	17 GPH (Batch Mode)

The Model AQ-Series evaporators will automatically shut down via a low level control. A secondary high temperature shutoff is also provided. When a cycle is completed the waste material can either be drained via a 2" drain opening; vacuumed out of the unit via the removable lid with a wet/dry vacuum or pump; or, if it is a solid material, scooped out. To facilitate cleanout, the interior tank of the AQ-120G is sloped towards a 2" outlet. On the Model AQ-12G, the "U" shape burner tube is located around the perimeter of the process tank allowing access between the tubes for easy cleanout.

FEATURES & BENEFITS

Heavy Duty 12 Gauge Tank, Covers, & Stack (316L Stainless Steel)
Adjustable Burner (NG or Propane) with electronic ignition, flame rectification system, and air pressure sensor (AQ-12G)
Automatic Shutoffs (Low Level Control & High Temperature Shutdown) for unattended operation
Simple two switch ON/OFF operation
Removable Lid for fast and easy Cleanout
Fully Insulated Tank
Power exhaust allow venting to outdoors
Quality polyurethane finish



Model AQ-7



Model AQ-12



SPECIFICATIONS:



Specification	Model AQ-7	Model AQ-12 & AQ-12G
MAXIMUM EVAPORATION RATE	4 GPH (Auto-Fill Mode) 6 GPH (Batch Mode)	Electric: 10 GPH (Auto-Fill Mode) Electric: 14 GPH (Batch Mode) Gas: 12 GPH Auto-Fill Mode) Gas: 17 GPH (Batch Mode)
HEATING SYSTEM (Model AQ-12G)		Gas: Natural Gas or Propane; 200,000 BTU; 12' x 6½" Heat Exchanger
HEATING SYSTEM	Elevated Electric Heating System	Elevated Electric Heating System
TANK CAPACITY	85 Gallons	120 Gallons
TANK CONSTRUCTION	12 Gauge Tank w/ 1" Insulation 16 Gauge Painted Exterior	12 Gauge Tank w/ 1" Insulation 16 Gauge Painted Exterior
DIMENSIONS	41"L x 23"W x 46" H	43" L x 35" W x 54" H
VENT STACK	6" Diameter	10" Diameter
FLOOR & DRAIN	Funnel Floor; 2" Drain & Plug	Funnel Floor; 2" Drain & Plug
UTILITY REQUIREMENTS (Model AQ-12G)		3/4" Gas Line 7" to 14" W.C. 120VAC/13A/1
UTILITY REQUIREMENTS	240V/3/40A (Field Convertible to 240V/1/50A); Optional 480V/3/20A	240/3/68 Amps 440/3/34 Amps Optional
SHIPPING WEIGHT	450 Lbs.	700 Lbs.

Specifications subject to change without notice