

WATER EATER Model 375G

Wastewater Evaporator

PRODUCT DESCRIPTION

The Model 375G is a natural gas or propane heated wastewater evaporator designed for large volume generators of wastewaters. Typical applications include minimizing waste fluids from machining and grinding operations, parts washer solutions, compressor condensate, mop waters, die cast solutions, scrubber waters, paint & ink washups, photographic solutions, and many other water-based waste streams. The unit comes in two models, the Model 375G Carbon Steel version, and the Model 375G-SS 316L Stainless Steel version. Installation is simple consisting of a 110V electrical hookup, a 16" diameter vent stack, and a 3/4" gas line. The



system can be filled in three different methods: (1) Plumb the feed source into the supplied 2" coupling; (2) Remove the lid and manually fill the unit; or (3) an optional self priming fill pump. An auto-fill option is also available for automatic filling from a holding tank or sump. The Auto-Fill and Fill Pump options include a unique diverter valve which allows the pump to be used to remove the concentrated liquid waste from the evaporator. After an initial heat up time of approximately one hour, the Model 375G will evaporate up to 40 to 55 gallons per hour of water. The system automatically shuts down when a low liquid level is reached. A high temperature thermostat provides a secondary redundant shutdown. When a cycle is completed the liquid waste material can either be drained via a 2" drain opening or pumped out. To facilitate solids removal, the tank cover is removable and the floor is funneled to one side. The perimeter mounted "U" shape burner tube provides 12" of cleanout access space between the tubes.

After an initial heat up time of approximately one hour, the Model 375G will evaporate up to 40 to 55 gallons per hour of water. The system automatically shuts down when a low liquid level is reached. A high temperature thermostat provides a secondary redundant shutdown. When a cycle is completed the liquid waste material can either be drained via a 2" drain opening or pumped out. To facilitate solids removal, the tank cover is removable and the floor is funneled to one side. The perimeter mounted "U" shape burner tube provides 12" of cleanout access space between the tubes.

* Specifications subject to change without notice.

January 2000

PRODUCT SPECIFICATIONS

MAXIMUM EVAP. RATE	55 Gallons/Hour Batch Fill 40 Gallons/Hour Auto Fill
TANK CAPACITY	375 Gallons
TANK CONSTRUCTION	Carbon Steel - 12 Gauge or 316L Stainless Steel - 12 Gauge (Special Alloys Available) 1" Insulation w/16 Gauge Skin
HEAT EXCHANGER	6.5" Schedule 10 (54.0 Square Foot Heating Surface) "U" Shape
TANK HEIGHT	54" Top Frame
TANK COVER	3/8" Plate Top Support Frame; Removable Cover for Solids Cleanout (29" x 40" Access)
FLOOR & DRAIN	Sloped Floor w/2" Drain for Liquids
VENT STACK	16" Diameter
BURNER	Power Burner - Electronic Ignition; Natural Gas or Propane 400,000 BTU
UTILITIES	120 VAC/13A /60 HZ 3/4" Gas Line (7" to 14" W.C.)
DIMENSIONS	35"W x 73"L x 77" H
SAFETY SYSTEMS	Low Liquid Level Shutdown Thermal Bridge™ High Temperature (Patented Heat Exchanger Surface Temperature Monitor) Positive Air Flow Proving Switch Flame Rectification Switch
OIL REMOVAL	2" Variable Overflow/Weir w/2" NPT Outlet (Patented)
WARRANTY	One Year Parts & Workmanship

