

WATER EATER® Model 120G

Wastewater Evaporator - Gas

PRODUCT DESCRIPTION

The Model 120G is a natural gas or propane heated wastewater evaporator designed for the small to medium size generator of wastewaters. Typical applications include minimizing waste fluids from machining and grinding operations, parts washer solutions, compressor condensate,



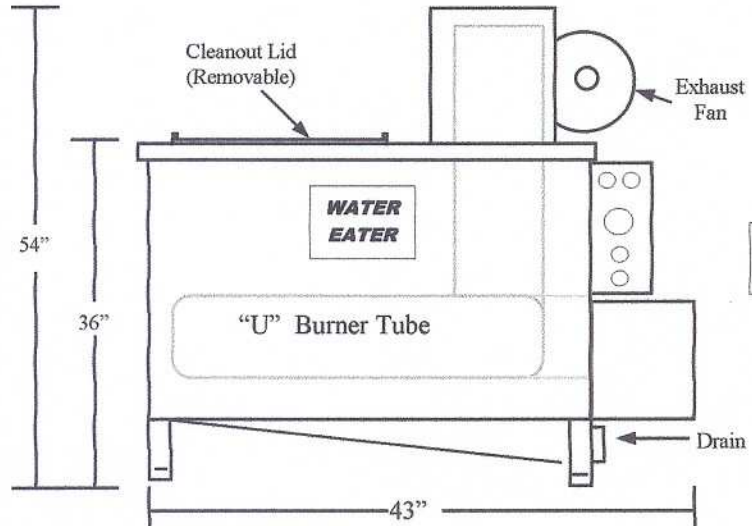
mop waters, die cast solutions, scrubber waters, paint & ink washups, photographic solutions, and many other water-based wastestreams. The unit comes in two models, the Model 120G Carbon Steel version and the Model 120G-SS 316L Stainless Steel version. Installation is simple consisting of a 110V electrical hookup, a 10" 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; or (3) an optional self priming fill pump. An auto-fill option is 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 waste from the evaporator. After an initial heat up time of approximately one hour, the Model 120G will evaporate up to 12 to 17 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, the tank top is a convenient 30" waist height, and the floor is funneled to one side. The perimeter mounted "U" shape burner tube provides 12" of cleanout access space between the tubes.

PRODUCT SPECIFICATIONS

MAXIMUM EVAP. RATE	17 Gallons/Hour (64 l/h): Batch Fill 12 Gallons/Hour (45 l/h): Auto Fill
TANK CAPACITY	120 Gallons (454 Liters)
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 (13.0 Square Foot Heating Surface) "U" Shape w/ 12" cleanout access
TANK HEIGHT	36" Top Frame
TANK COVER	3/8" Plate Support Frame; Removable Cover for Solids Cleanout (17" x 29")
FLOOR & DRAIN	Funnel Floor w/2" Liquid Drain
VENT STACK	10" Diameter
BURNER	Power Burner w/ Electronic Ignition; Natural Gas or Propane 200,000 BTU
UTILITIES	120 VAC/13A /60 HZ 3/4" Gas Line (7" to 14" W.C.)
DIMENSIONS	35"W x 43"L x 54" 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

*Specifications subject to change without notice.



Not to Scale

