

# WATER EATER® Model 85E

## Wastewater Evaporator - Electric

### PRODUCT DESCRIPTION

The Model 85E is an electric, thru floor heated wastewater evaporator designed for the small to medium size generator of wastewaters. Manufactured since 1984, the Model 85E is a proven and economical system for reducing disposal costs and liabilities. 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 85E Carbon Steel version and the Model 85E-SS 316L Stainless Steel version. Installation is simple consisting of an electrical hook up and a 6" diameter vent



stack. The system can be filled in three different ways: (1) Plumb the feed source into the supplied 2" coupling; (2) Remove the cover 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 concentrated liquid waste from the evaporator. After an initial heat up time of approximately one hour, the Model 85E will evaporate up to 4 to 6 gallons per hour of water. The system automatically shuts down when a low liquid level is reached. A high temperature thermostat using our patented Thermal Bridge™ provides a secondary redundant shutdown. When a cycle is completed, the liquid waste material can either be drained via the 2" step-down drain 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 an obstruction free 3/8" thick steel plate.

### PRODUCT SPECIFICATIONS

<b>MAXIMUM EVAP. RATE</b>	6 Gallons/Hour (22 l/h): Batch Fill 4 Gallons/Hour (16 l/h): Auto Fill
<b>TANK CAPACITY</b>	85 Gallons (320 Liters)
<b>TANK CONSTRUCTION</b>	Carbon Steel - 12 Gauge or 316L Stainless Steel - 12 Gauge (Special Alloys Available) 1" Insulation w/16 Gauge Skin
<b>HEAT EXCHANGER</b>	3/8" Plate Floor (Carbon or 316L SS) 11.4 Kilowatts/Hour Thru-Floor Heated
<b>TANK HEIGHT</b>	30" Top Frame
<b>TANK COVER</b>	3/8" Plate Support Frame; Removable Cover for Solids Cleanout (19" x 20½")
<b>FLOOR &amp; DRAIN</b>	Flat, Obstruction Free Floor w/2" Drain for Liquids
<b>VENT STACK</b>	6" Diameter
<b>UTILITIES</b>	240V/3Ph/40Amp or 240V/1Ph/50Amp 480V/3Ph/20Amp (optional)
<b>DIMENSIONS</b>	41"L x 23"W x 44"H 104 cm x 58 cm x 112 cm
<b>SAFETY SYSTEMS</b>	Low Liquid Level Shutdown Thermal Bridge™ High Temperature Shutdown* (*Patented Heat Exchanger Surface Temperature Monitor)
<b>OIL REMOVAL</b>	2" Variable Overflow Weir w/2" NPT Outlet (Patented)
<b>WARRANTY</b>	One Year Parts & Workmanship

\* Specifications subject to change without notice.

