

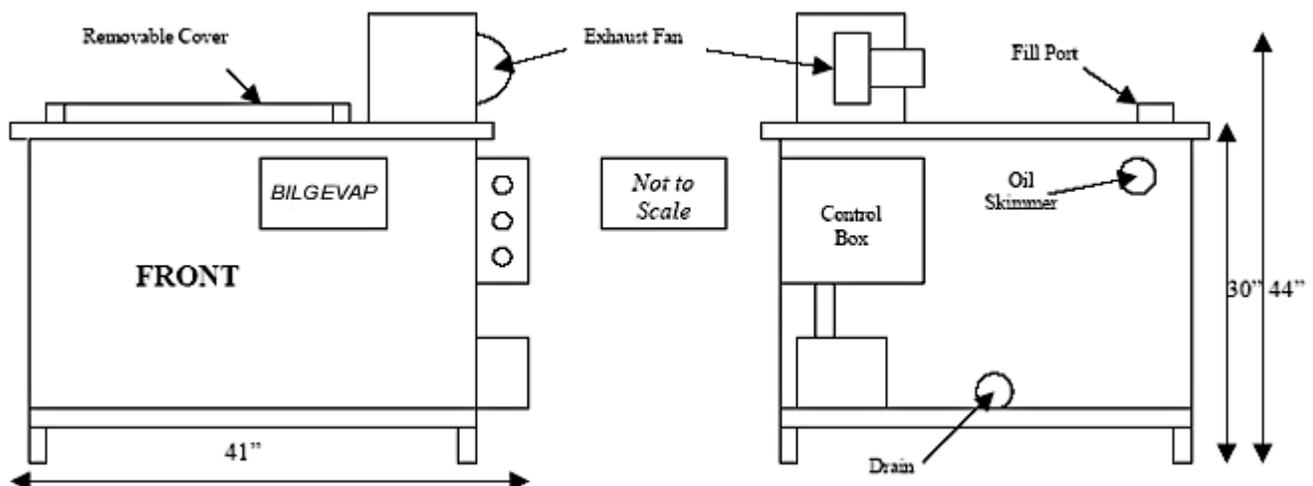
# SkimOil BilgeVAP - Model BV102/85E Wastewater Evaporator

## PRODUCT DESCRIPTION

The Model #BV10285E is an electrically heated wastewater evaporator. It comes in two models, the Model #BV10285E Carbon Steel version and the Model #BV10285E-SS 316L Stainless Steel version. Typical applications include minimizing wastewater from machining and grinding, parts washing fluids, compressor condensate, mop waters, die cast solutions, scrubber waters, paint & ink wash-ups, photographic solutions, and many other waterbased wastestreams. Installation is simple consisting of an electrical hookup and a 6" diameter vent stack. The unit can be filled in three different ways: (1) Plumb the feed source into the supplied 2" coupling; (2) Remove the lid and manually fill the unit; or (3) Use the optional 70 GPM 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 cleanout 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 #BV10285E will evaporate from 4 to 5 gallons per hour of water. The Model BV10285E will automatically shut itself down via a low-level control. A high temperature thermostat using our 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 EVAPORATION RATE</b>	5 Gallons/Hour (22 l/h): Batch Fill 4 Gallons/Hour (16 l/h): Auto-Fill
<b>TANK CAPACITY</b>	85 Gallons
<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 20 1/2")
<b>FLOOR &amp; DRAIN</b>	Flat, Obstruction Free Floor; 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>	33"W x 43"L x 54" 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



# Installation Information

VENT STACK	ELECTRICAL	GAS	FILL PUMP (Option)	LIQUID DRAIN	FLOOR	FLUID INLET
6"	240V/3/40 Amp; 240V/1/50Amp; 480V/3/20 Amp		2" NPT Inlet; Self Priming, Centrifugal, Cast Iron Housing; 70 GPM	2" NPT Coupling (All Models)	Flat	2" NPT Coupling.  (Note: If fluid level in holding tank is higher than evaporator tank, a solenoid or vacuum break must be installed between feed pump and BilgeVAP.)

