

### Electric Evaporator Models E4D 230 (E4D 480)

**Why you'll like our design** – The **E4D** electric powered evaporator is the smallest unit of its kind available today. Highly efficient, it is designed for maximum water evaporation rates and outstanding product life. Its Incoloy® heaters are totally immersed in the wastewater to deliver 100% of their heat energy for evaporation. And safety is always a top consideration with numerous safety controls provided.

**What is troubling about other designs** – Bottom heat evaporators use strip heaters fastened to the underside of the tank where more than half of the heat energy is radiated away from the wastewater. Solid contamination falling on the bottom reduces heat transfer and over time shortens strip heater life. Often this condition causes warpage of the tank bottom.

**It's easy to see that the E4D comes out on top** – Ideal for processing:

- aqueous parts washing water • machine shop coolant
- air compressor blowdown • tumbling wash water
- dye penetrants • cleaning solutions • dye casting solutions
- other generally contaminated wastewater.

Evaporation chamber  
high air temperature  
safety shut off

Rugged, quiet running,  
cast aluminum exhaust  
blower

Liquid level sensors



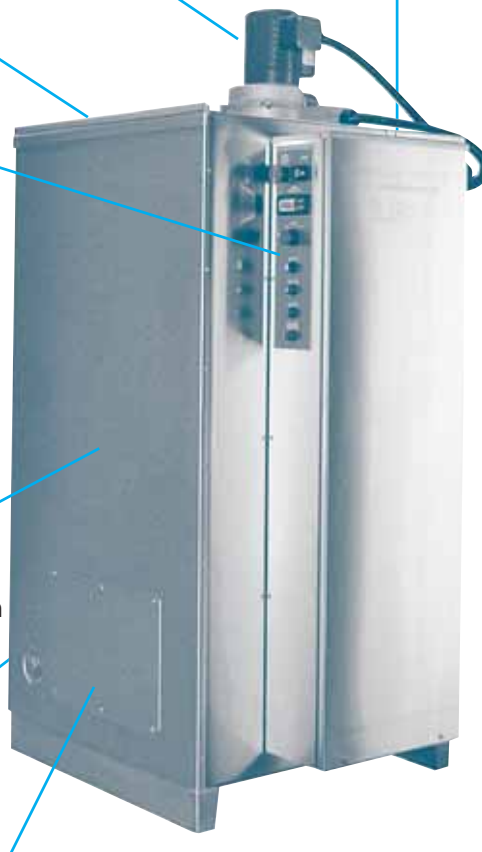
Water tight electrical  
controls and pilot lights  
(Above Inset)

Tank construction:  
• Liner - 316L stainless steel  
• High performance insulation  
• Outer protective skin - 304  
stainless steel

Internal immersion  
Incoloy electric heaters

Oil drain off  
(Ball valve optional)

Oil and sediment cleanout. Sediment  
accumulation zone beneath heaters



#### SPECIFICATIONS

Model	E4D 230, E4D 480
Evaporation Rate at design voltage	4 Gallons per hour
Electrical Specifications	208 to 240 Volt or 440 to 480 Volt 14 Kilowatts
Tank Capacity	85 Gallons
Dimensions	24"W x 30"D x 56"H
Weight	300 pounds
Control switch	Water tight NEMA 4X
Liquid level control	Conductivity probe
Low liquid level	Automatic shut off
High temperature	Automatic shut off
Temperature control	Thermocouple Type T temperature controller
Warranty	Two years

#### PRODUCT OPTIONS

- Autofill
- Ball valves
- Optional tank materials: AL-6XN, or C-276

#### CHECKLIST OF BENEFITS

- 90% reduction of waste disposal costs
- Eliminate waste storage areas
- Reduce liabilities of your waste while it is in control of waste haulers
- 90 - 95% reduction of wastewater volume
- Reduce labor and waste handling
- Simple installation
- Easy to operate
- Minimal maintenance
- Addresses issues of complying with storm water runoff regulations
- Easy to operate compared to chemical treatment and membrane filtering

#### OTHER PRODUCT OFFERINGS

- Natural or Propane gas powered units
- Steam powered units
- Larger sizes with evaporation rates of 10, 18, 30, 55, 70 and 90 gallons per hour

Specifications subject to change without notice