

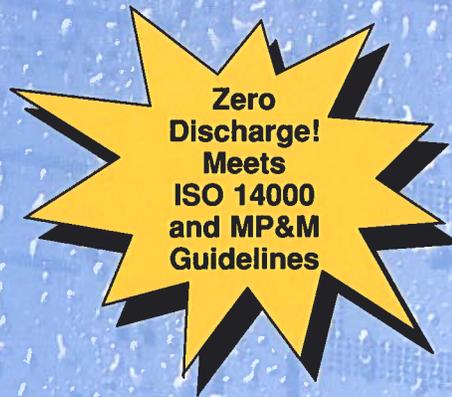
SMT^{AR} SONIC[®]

Wastewater Evaporators



Model SE-1

- Traditional style evaporator with a heavy duty design
- 12 KW bottom-mounted electric contact heaters
- Automatic HI/Low level control
- Tool operated / easy-lift lid
- Floor level clean-out



**Zero
Discharge!
Meets
ISO 14000
and MP&M
Guidelines**



Model EZ-0

- Thermal-jacketed design allows temp-controlled process
- 12 KW electric immersion heaters in thermal media
- External HI/Low level sensors facilitate easy maintenance
- Tool operated removable cover – optional auto interlock
- Ergonomically designed for easy clean-out
- Power drain & reservoir recirculation filter
- Separate process and reservoir chambers allows continued stencil cleaner operation during clean-out

Smart Sonic Wastewater Evaporators require a small capital investment, infrequent maintenance, deliver “zero discharge” to drain and offer environmental peace of mind.

Built-in exhaust blower for up to 15' duct run. Includes Exhaust-proving controls and alarm**

Automatic start and standby control - includes temperature LED and dual safety over temp. control

Dual Mode Operation provides easy removal of liquid waste or complete evaporation to dry waste

Reduces Cost of handling large volumes of liquid hazardous waste. Plus, evaporators cost far less than the equivalent reverse osmosis or ion exchange filtration systems required for handling the same amount of wastewater. Unlike costly filtration systems, there is no effluent left for drain disposal.

Eliminates Liquid Hazardous Waste Disposal - Reduces hundreds of gallons of liquid wastewater to just a few pounds of solids or a few gallons of concentrated liquid.

Stainless Steel Construction - Eliminates rust and corrosion common to other evaporators

Meets MP&M Guidelines because nothing is discharged to drain.

Reduces Liability - Eliminates potential liability associated with industrial drain disposal because there is “zero discharge” and eliminates the long term liability of transporting and disposing liquid hazardous waste.*

High Performance Evaporation rate and Low energy consumption - 4 - 6 gallons per hour evaporation rate reduces one week's wastewater in just a few hours.

Full One Year Parts and Labor Warranty - FOB Factory

Smart Sonic Wastewater Evaporators are designed specifically to meet the rigid requirements and demands of the printed circuit board industry.

Don't settle for anything less!

Model SE-1

SPECIFICATIONS

Tank Capacity: 85 gallons (322 liters)

Heat: 12,000 watts total heat at 230 Volt, 3 Phase.
Heaters are derated at lower voltages.

Utilities:

Exhaust CFM: 130 – 150, 4.5 inch I.D. exhaust duct connection

Electrical: 230 Volt, 3 Phase, 29 Amps. Alternate: 208 Volt, 3 Phase, 26 Amps. (Please specify) (Other voltages available – contact factory)

2 ea. 1-inch inlets, 1 ea. 1 1/4-inch outlet

Overall Dimensions: 38" x 48" x 40"H

Shipping Weight: Approximately 600 lbs.

Evaporation Rate: 4 - 6 gallons per hour***

Model EZ-0

SPECIFICATIONS

Total Capacity: 104 gallons (90 gal. reservoir, 14 gal. process)

Heat: 12,000 watts total heat at 230 Volt, 3 Phase.
Heaters are derated at lower voltages.
Heat Transfer Media Capacity: 10 gallons

Utilities:

Exhaust CFM: 160–200 CFM, 6 5/8-inch I.D. exhaust duct connection

Electrical: 230 Volt, 3 Phase, 34 Amps. (Other voltages available – contact factory)

2 ea. 1-inch inlets, 1 ea. 1/2-inch power drain outlet

Overall Dimensions: 40" x 48" x 42"H

Shipping Weight: Approximately 950 lbs.

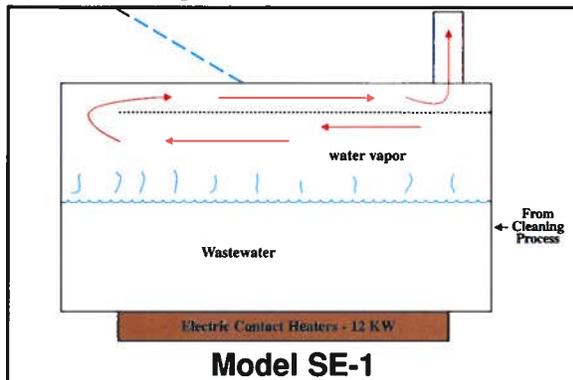
Evaporation Rate: 3 - 5 gallons per hour***

* EPA Super Fund regulations could hold all companies discharging lead-processed wastewater responsible to share in the cleanup of lead contaminated sites within a 50-mile radius. A wastewater would remove the user from the selection pool because there is "zero discharge" to drain. Consult your local regulation authorities

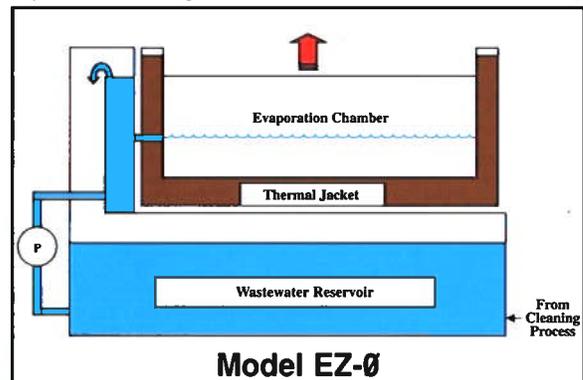
** Longer exhaust runs, or runs with turns, may require an additional blower which should be sized and installed by an HVAC professional.

*** Evaporation rate will vary depending on relative humidity, duct installation and CFM exhaust rate.

Operational Diagram



Operational Diagram



For additional photos and information, visit the Smart Sonic Website.



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