



MAC Rotary Dumper

Designed to Remove Excess Acid from Lead Acid Batteries

The MAC Rotary Dumper is specifically designed to automatically remove excess acid from lead acid batteries, after formation. Manual lifting and turning of batteries to a vent down position for acid draining is completely eliminated.

The machine's construction is rugged and designed to withstand acid corrosion damage. A large diameter fiberglass tube, supported by rollers, is mounted to the machine's oversize, stainless steel base. The fiberglass tube contains a roller conveyor that "holds" the batteries. Screw clamps which are located around the circumference of the fiberglass tube are used to hold down the batteries.

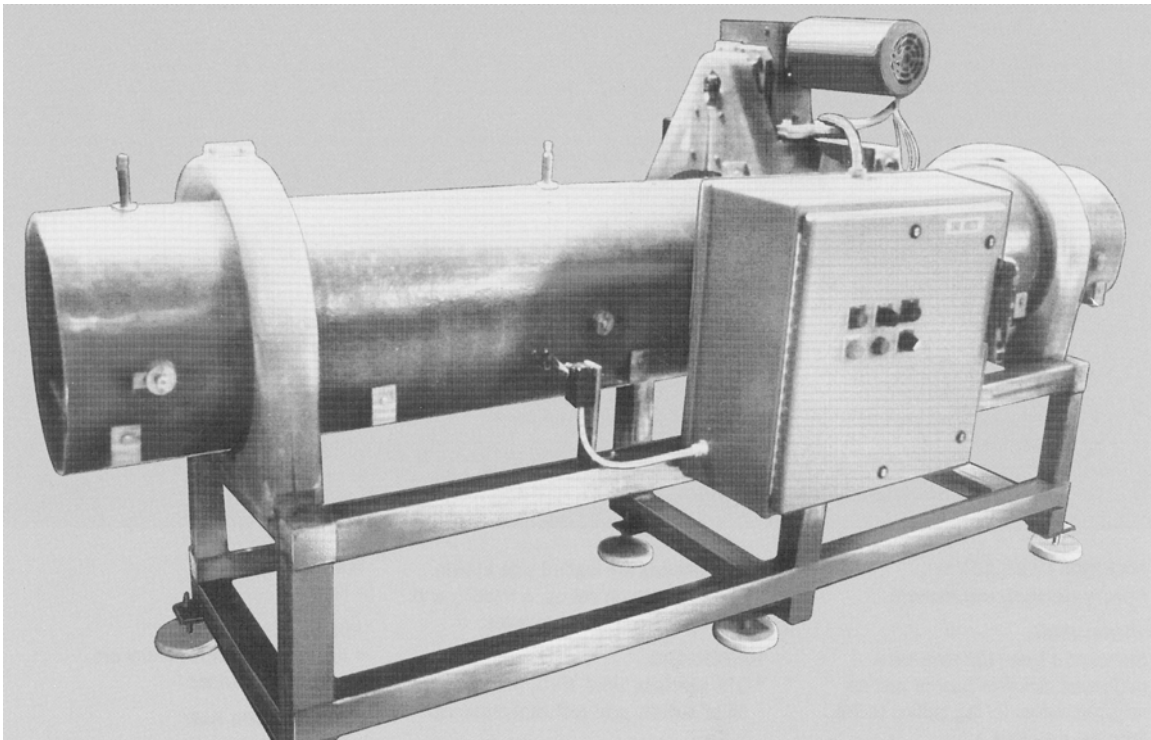
The batteries are held stationary as the tube is rotated and rocked. The clamps are custom designed to accommodate each customer's specific battery type. The tube is rotated and rocked using an AC electric motor. All fasteners are stainless steel.

Each time a battery is loaded onto the MAC Rotary dumper's flow-through conveyor, the batteries already on the conveyor are pushed down the tray on position. When the batteries reach the other end of the rotary dumper, they are removed by an operator. At this point, they are ready for their final finishing operations.

The acid that is drained from the batteries is collected in a stainless steel pan and funneled away for recycling.

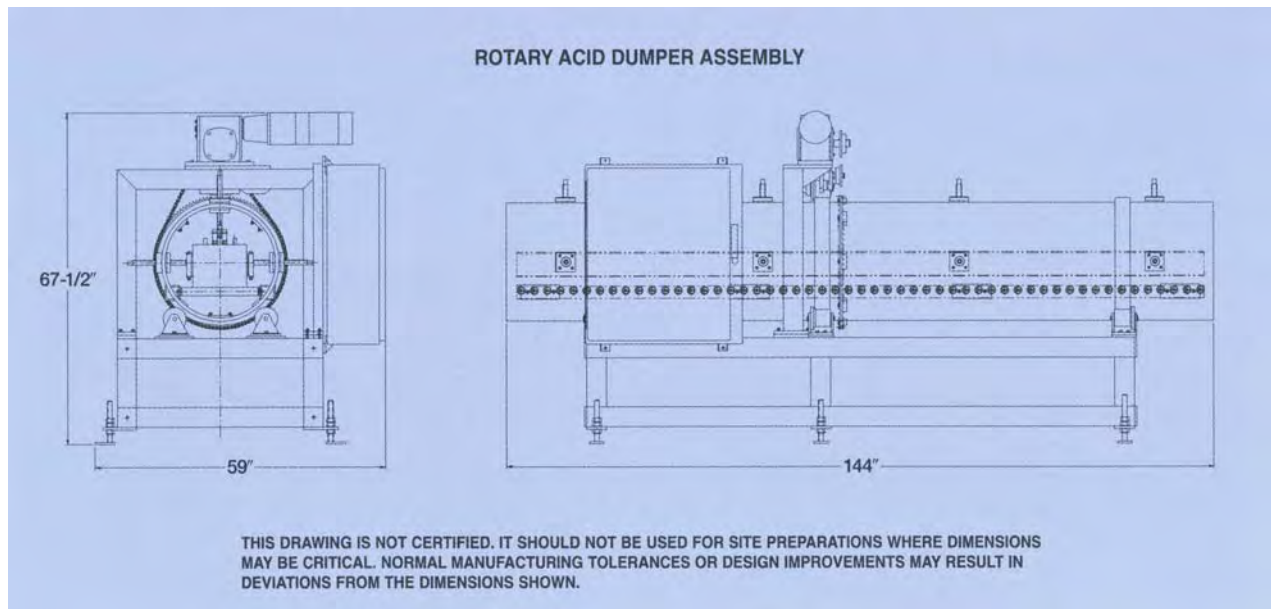
A typical full cycling load is either twelve group 24-size batteries, placed end to end or sixteen batteries placed side to side.

A battery rotating and rocking cycle ranges from 2 to 3 minutes – depending upon set-up.



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TECHNICAL SPECIFICATIONS



Required User Data: Specify electrical requirement

Foundation: Standard 4-inch (102 mm) thick reinforced concrete floor or pad. Holes for lag bolting to floor are provided.

Materials: 316 Stainless steel, PVC, Fiberglass, and other sulfuric acid-resistant materials

Production Capabilities:

- **Battery size range:**
 Length: Up to 144 inches (3,658 mm)
 Width: 1.30 to 15.74 inches (33 to 400 mm)
 Height: 2.28 to 11.81 inches (58 to 300 mm)
- **Production rating:**
 Twelve group 24 batteries per cycle when the batteries are loaded end to end. Sixteen group 24 batteries per cycle when the batteries are loaded side to side. Depending upon set-up, a rotating and rocking cycle is 2 to 3 minutes

Personnel: One, semi-skilled

Standard Electrical: 400V, 3-Phase, 60Hz, 7 AMPS (or as required)

Electric Motors: 2 H.P., AC, reversing motor rated at 440 volt, 3-phase, 60 Hz (tube rotator) TEFC, 7 ½ HP, 1800 RPM @ 60 Hz., 213 T frame, TECF 3 HP blower motor (integral)

Acid: Acid metering and control are customer provided

Approximate dimensions (uncrated):

Length: 144 inches (3658 mm)
 Width: 59 inches (1,499 mm)
 Height: 67.5 inches (1,715 mm)
 Weight: 775 lbs. (352 kg)



Helping to make the best batteries...yours.

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