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BATHMINDER™ NEW 3000 SERIES



Automatically adds chemicals to maintain the optimum bath concentration.

Product Description:

The Bathminder™ maintains a highly controlled bath concentration by making frequent precise additions to the plating bath in amounts that match the consumption of chemicals in the electroplating process. Accurate dosage provides consistent concentration of the bath and accountability of the replenished chemicals.

During the plating process, the Bathminder™ monitors the electrical current that passes from anode to cathode. This current flow is directly proportional to the amount of metal that is used as well as brightener chemicals that are consumed. The feeder is able to add back into the bath the same amount that has been taken out. This eliminates the possibility of costly errors in manual addition.

The Bathminder™ counts and stores ampere-time units which are an integration of time and electrical current. The total count and the interval count are both displayed. The interval count is set by the operator to make an addition at the optimum ampere-time count that will hold the chemical concentration at a precise level. At the end of the interval, a pump is triggered for a timed cycle that dispenses the exact amount of chemical that is required.

The Bathminder™ is available with single or dual peristaltic pumps. It can also be set up to sum the ampere-time count of multiple rectifiers that serve the same plating tank.

Features:

- Bath replenishment controller with the most advanced microprocessor technology ensures accuracy and reliability.
- An adaptable architecture is able to accommodate multiple rectifier inputs and chemical components.
- Unique dial-edit system with two-line alphanumeric display for fast and simple setup.
- Fully integrated system includes all components required for installation and setup.
- Pumps are mounted in front of unit for good visibility and easy service.
- Pump makes no contact with chemical. Periodic replacement of tube is the only routine maintenance.

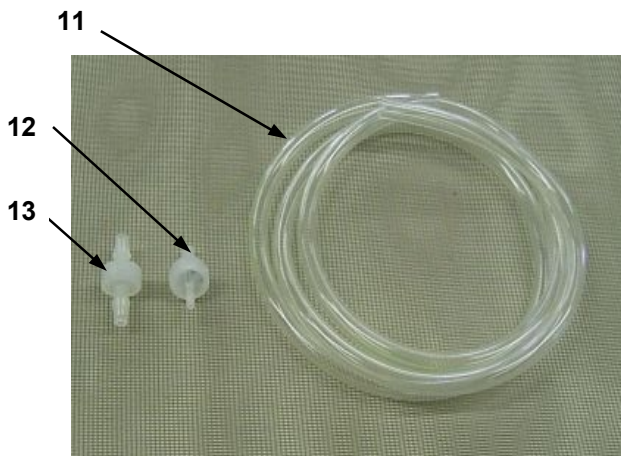
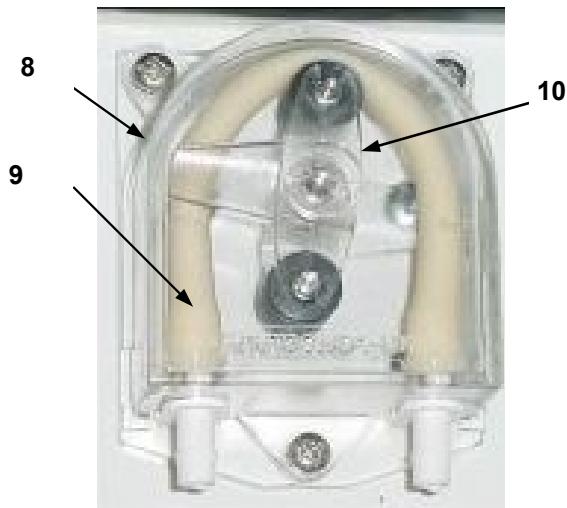
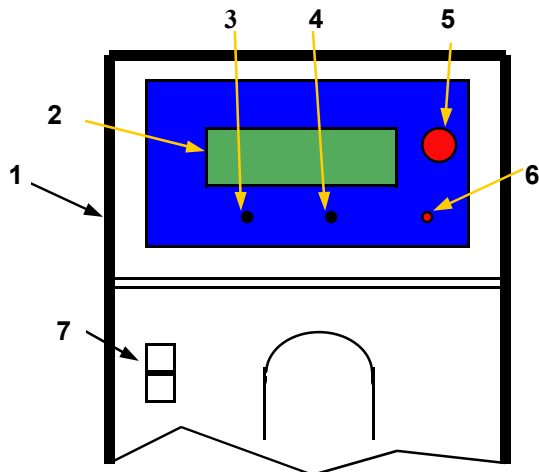
Benefits:

- **Competitive Advantage:** Maximise product quality by maintaining an optimum level of brightener chemicals.
- **Cost Savings:** Better utilization of staff resources by automating a tedious but vital bath maintenance procedure
- **Cost Avoidance:** Prevents costly rework and downtime caused by incorrect manual additions.

Technical Information

BATHMINDER™

Model No. 960-3000 Series



Description and Ordering Information:

Included with the Bathminder:

1. Enclosure: Fire rated & chemical resistant.
2. Two-line alphanumeric display normally shows interval count and total count.
3. Push button puts adjustment knob in *Function* mode.
4. Push button puts adjustment knob in *Edit* mode.
5. Adjustment Knob. When *function* button is pushed, knob scrolls through all set-up and calibration settings. When *edit* button is pushed, knob increases or decreases the setting number. Has accelerated feature.
6. LED Power on indicator.
7. Power switch.
8. Peristaltic Feed Pump. Fluid makes no contact with pump. Second pump optional.
9. Replaceable pump tube assembly.
10. Roller assembly with tube guides.
11. Chemical resistant vinyl suction and discharge tube. 3/8" OD X 1/4" ID. Ten feet of tubing per pump provided.
12. Discharge check valve.
13. Suction filter polypropylene body with polyethylene 45 to 90 micron filter.

Specifications:

Cabinet:	Fire Rated ABS Plastic with PVC panels and hinged, plexiglass window
Dimensions:	8.5"H X 6"W X 11"D
Mount Options:	Wall or Bench
Input Signal:	From 50 mV Shunt. Other mV signal available
Power:	115 VAC 50/60 Hz 220 VAC available.
Pump Tube:	3/8" OD X 1/4" ID. Replacement part No. 345-0110
Pump Output:	82 RPM; 3 GPH (185 ml/min.)

Distributor: