

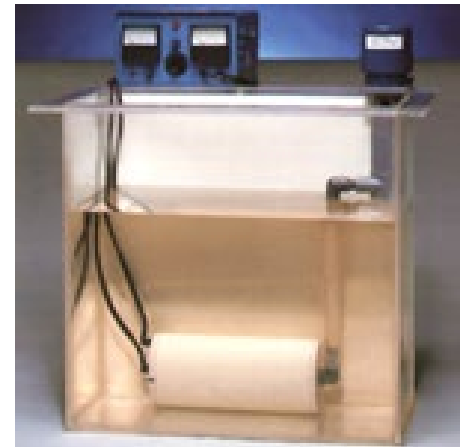


PMPC

An Abington Reldan Metals Company

The Gold Bug®

The Gold Bug® System is the most efficient and cost-effective electrolytic recovery system ever. Using an extremely high surface area cathode, the Gold Bug® is small enough to fit into the smallest drag-out tanks and powerful enough to recover large tanks of concentrated cyanide strip solutions.



The Gold Bug® helps with the following problems:

- The steady loss of precious metals through rinse waters, strip solutions, spent plating baths and ion-exchange resin columns.
- Lack of accountability, both in house and with outside refiners.
- Cumbersome techniques of converting recovered precious metals back to productive and/or liquid assets.
- Presence of heavy metals in waste streams

The Gold Bug® is able to bring relatively large volumes of solutions with concentrations of metals all over the spectrum to environmental compliance levels in many cases. This is done quickly and inexpensively.



BEFORE
*Typical replacement
cartridge before use.*

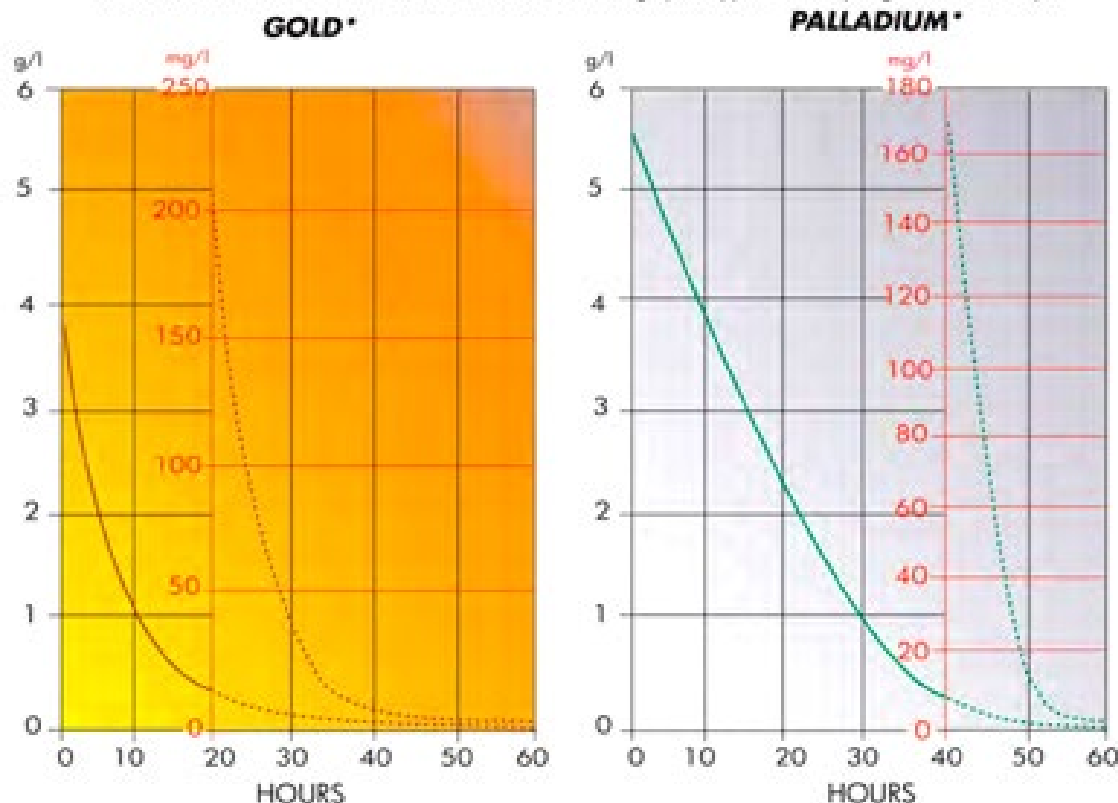


AFTER
*Idealized representation
of cartridge after use.*

The Gold Bug® is used with all precious metals including silver, palladium, palladium-nickel, platinum, rhodium, and iridium. Various types of solutions of copper, cadmium, tin, and tin-lead have all been successfully treated to concentrations of less than 5ppm.

Speed of Recovery

EXAMPLE: 250 liters of solution @ 20 A. Actual test data and graphs supplied courtesy Engelhard-CLAL Corp.



The most popular application for the Gold Bug® is point source recovery from drag-out tanks, plating baths and stripper solutions. Other applications where the system can be used include ion exchange regeneration, dummieing, and enhancement of existing ion-exchange systems.

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