



MPC

Analyser | Dépolluer | Valoriser



ELECTRUM® PRECIOUS METAL RECOVERY SYSTEM

The Electrum is designed to recover electrolytically the metals content in concentrated or diluted solutions.

Its main target applications are in the field of the precious metals (Au, Ag, Pd, etc...).

However, it can also be used for the recovery of the base metals (Cu, Ni, etc...) from the waste water.



- The deposit is kept inside the cartridge,

- Avoid all risk of deposit lost even if this one is powdered,

- High capacity and efficiency of recovery (Up to less than 5 ppm in the remaining solution depending on the application),

- Patented device, independent (can be used as filter or as rectifier),

- Very quick return on investment.

Dimensions (mm): L x l x h = 510x510x710

Weight : 25kg

Liquid Volume (when running) :

approx. 10 liters

Maximum operating temperature : 60° C

Electrical : 220 Volts single phase 50 Hz

Connection : Certified E.U.

Consumption : ~ 330 VA (1,5 A)

Rectifier : 15 Amps, 10 Volts, continuous current, control by current or voltage

Certified E.U. : Protection against over-current by fuse and integrated circuit breaker

THE BENEFITS OF THE ELECTRUM®

- **HIGH CAPACITY OF RECOVERY**

Able to recover up to very low concentrations (< 5 ppm) depending on the applications,

- **"CAPTIVE" DEPOSIT INSIDE THE CARTRIDGE**

No loss of metal

- **EASE OF MELTING AND REFINERY**

Easy cartridge change and fast recovery,

- **EFFICIENT ON ALL TYPES OF METAL**

Gold, palladium, rhodium, ruthenium, silver, copper, nickel and others, in concentrated baths or rinse water,

- **CYANIDE DESTRUCTION**

The addition of 10 to 20 g/l of ECN additive allow a continuous destruction of the cyanide during the recovery process,

- **RECOVERY OF PALLADIUM IN IONIC SOLUTIONS**

High efficiency process on the palladium solutions,

- **RECOVERY OF PALLADIUM IN COLLOIDAL SOLUTIONS**

The addition of the EPd additive combined with the use of a specific cartridge allow the recovery of the palladium in colloidal solutions,

- **RECOVERY OF GOLD IN ETCHING BATHS**

The addition of 10 to 20 g/l of EAu additive allow to recover the gold in the etching baths,

- **PATENTED DEVICE**

Autonomous, can be used as a filter or a rectifier,

- **KNOWLEDGE OF THE WEIGHT OF THE DEPOSITION BY SIMPLE WEIGHING**

Calculate and check by yourself your own recovery data after drying

- **QUICK RETURN ON INVESTMENT**

The more you recover, the more you make the device profitable.

CAPTIVE CARTRIDGE Electrolytic recovery cartridge

- The deposit is retained inside the cartridge,
- Avoids any risk of loss of deposit, even if this one is powdered,
- Invisible Deposit,
- Knowledge of the weight of the deposit by simple weighing,
- Ease of melting and refinery.



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