CPAC Equipment Division
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# Silver Recovery Cartridges

## *Two Core Designs Available*



### • *Iron Mesh*

CPAC's patented iron mesh core recovers over 99% of the available silver in most applications. It prevents channeling and clogging, and can be rinsed easily to meet federal hazardous waste shipping regulations. Both repackable and single use designs are available. A curved inlet port is available on some sizes to minimize plugging with high silver fixers.

### *Many Environmental Applications*

CPAC cartridges come in six sizes to handle a wide range of environmental needs. Note: Whenever economically feasible, electrolytic silver recovery is recommended as the primary method, in conjunction with a steel wool cartridge to maximize environmental compliance. CPAC offers a full line of electrolytic equipment and can tailor an environmental compliance system for any size lab.

### • *Steel Wool*

Our steel wool cores maximize pollution control and silver recovery, while minimizing costly service calls. Each cartrige includes easy-to-follow operating instructions and a monitoring chart. The units also are serial numbered for positive identification.

### *Why CPAC?*

CPAC metallic replacement cartridges maximize your environmental compliance program, and minimize your "cradle to grave" liability. When used properly, CPAC cartridges desilver photo processing solutions to 5.0 ppm or less. As a primary (total) silver recovery method in small labs, CPAC cartridges surpass all other designs in efficiency. For secondary (tailing) recovery, they provide the optimum final treatment to an electrolytic silver recovery system.

### *Special Features:*

- Special internal bypass to prevent overflows and channeling
- Side entry and exit ports for convenient stacking and multiple tailing

| Cartridge Specifications: | STEEL WOOL | | | IRON MESH | | |
|---|---|---|---|---|---|---|
| | Vault Jr. (2 gallon LCS) | Vault 1 (5 gallon SCS) | 15 gallon Hi Flo-II | 3/4 gallon Mini | RePAC-10 (3.5 gal. SDS, Single use) | RePAC-20 (6 Gal. SAS, single use) |
| |  |  |  |  |  |  |
| Applications: | Primary recovery for low volume medical, dental, industrial & graphic arts fixers: low volume bleach-fix & C-41 fixers. Recommended for tailing recovery. | Primary recovery for medical, dental, industrial & graphic arts fixers; bleach-fix & C-41 fixers. Recommended for tailing recovery. | Primary recovery for high volume medical, dental, industrial & graphic arts fixers; bleach-fix & C-41 fixers; wash waters with concentrates & regular wash waters. Recommended for tailing recovery. | Primary recovery for low volume medical, dental industrial & graphic arts fixers. Not recommended for C-41 fixers or tailing recovery. | Primary recovery for medical, dental, industrial & graphic arts fixers. Not recommended for C-41 fixers. Can be used for tailing recovery. | Primary recovery for high volume medical, dental, industrial & graphic arts fixers. Not recommended for C-41 fixers. Can be used for tailing recovery. |
| Maximum processing capacity per 24 hours: | 10 gal (37.85 liters) | 25 gal (95 liters) | 75 gal (285 liters) | 2 gal (7.6 liters) | 25 gal (95 liters) | 50 gal (190 liters) |
| Overall dimensions: | 10″ H x 12″ diameter | 15″ H x 12″ diameter | 22″ H x 15″ diameter | 9″ H x 4.5″ diameter | 11.25″ H x 12″ diameter | 18″ H x 12″ diameter |
| Inlet/Outlet ports: | Side port 3/4″ PVC hose connection | Side port 3/4″ PVC hose connection | 3/4″ PVC hose connection | 1/2″ PVC hose connection | Side port 3/4″ PVC hose connection | Side port 3/4″ PVC hose connection |
| Fluid capacity: | New: 1.75 gal (6.6 liters) | New: 4.75 gal (18 liters) | New: 1.5 cu. Ft. 11.25 gal (42.5 liters) | New: 0.32 gal (1.1 liters) | New: 2.25 gal (8.5 liters) | New: 4.25 gal (16 liters) |
| Flow rates for tailing as primary recovery: | 100 mℓ/min | 200 mℓ/min | 500 mℓ/min | 75 mℓ/min | 150 mℓ/min | 250 mℓ/min |
| Flow rates for tailing after electrolytic recovery: | 250 mℓ/min | 300-350 mℓ/min | 0.5 gpm (2.0 ℓ/min) for concentrated bleach-fixes; 4.0 gpm (19.0 ℓ/min) for wash waters w/concentrates; 5.0 gpm (19.0 ℓ/min) for wash waters | 150 mℓ/min intermittent | 350 mℓ/min | 500 mℓ/min |
| Flow rates when used for environmental compliance: | 30 mℓ/min for B&W, C-41, graphic arts, E-6 & X-Ray fixers | 50 mℓ/min for B&W, C-41, graphic arts, E-6 & X-Ray fixers; 30 mℓ/min for R-3, EP-2 & RA-4 bleach fix | 100 mℓ/min for B&W, C-41, graphic arts, E-6 & X-Ray fixers; 75 mℓ/min for R-3, EP-2 & RA-4 bleach fix | N/A | 40 mℓ/min for B&W, C-41, graphic arts, E-6 & X-Ray fixers | 60 mℓ/min for B&W, C-41, graphic arts, E-6 & X-Ray fixers |
| Loading: | Approximately 3 lbs. steel wool fiber | Approximately 8 lbs. steel wool fiber | Approximately 35 lbs. #2 chopped steel wool | Approximately 2.7 lbs. woven wire mesh | Approximately 10 lbs. woven wire mesh | Approximately 20 lbs. woven wire mesh |
| Max operating pressure: | 5 psi | 5 psi | 10 psi for source | 5 psi | 5 psi | 5 psi |