

The Original

Silver Trap™ Multi-Media-GF

'Gravity Feed' Multi-Stage Metallic Replacement Recovery Canisters

*The BEST Primary or Electrolytic Back-up
Metallic Replacement Canisters ever!*



ST-MM7-GF
6-Gallon
(22.71 l)
Canister
*For overflow recovery
only - gravity feed.*



ST-MM4-GF
4.25-Gallon
(16.09 l)
Canister
*For overflow recovery
only - gravity feed.*

Absolutely the Lowest Cost Per Gallon of Solution Processed!

Gravity Feed- Now you can process up to 2000 gallons (7,570 l) of effluent and recover up to 150 troy oz. of silver from a single canister!

Four Advantages...

- 1 Longer Lasting!**
Up to 2000 gallon (7,570 l) capacity.
Dramatically reduces replacement costs.
- 2 Higher Efficiency!**
Consistently reduces silver discharge far below 5 ppm EPA limit. Units are specifically designed for overflow recovery.
- 3 Lowest Cost!**
By processing 2 to 5 times more solution than competitive canisters over the unit life, the processing operating cost is cut at least in half.
- 4 Plug Proof!**
Silver Trap Multi-Media-GF Canisters are manufactured with our plug-proof design which drastically reduces the chances of plugging.

So Unique, it's Patented!

U.S. Patents protected under 5,298,170 and 5,401,005.
Other Patents, Foreign and Domestic, Pending.
MADE IN USA



Please call 1-262-334-3000 for more info.

ENVIRONMENTAL RECLAMATION, DIV.

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Silver Trap™ Multi-Media-GF Recovery Canisters

Metallic replacement silver recovery devices are an absolute necessity to meet today's ever stringent, low ppm discharge limit standards. However, a little known phenomenon of metallic replacement electrolytic back-up trailing canister use, is the fact that the less silver present in the solution, the more quickly the iron catalyst is consumed. Normally with higher silver content solutions, silver builds up on the surface of the iron, "protecting" it from the ravishes of acidic chemical decomposition. Without this protection, the useful life of these devices is drastically reduced.

The patented new Multi-Media-GF technology utilizes another little known phenomenon, the ability to neutralize solution through exposure to a durable iron catalyst. With other metallic replacement devices, such as steel wool, this acidic solution literally burns holes through or completely dissolves, the iron catalyst rendering the device useless in a matter of a few weeks.

The patented Multi-Media-GF technology, however, utilizes multiple separate media catalysts. The first, an extremely durable iron pellet structure, raises the pH of the acidic fixer, helping to prevent premature exhaustion of the iron wool media catalysts. The second media consists of a coarse iron wool catalyst to recover silver. The third consists of a medium grade iron wool catalyst to even further reduce the silver content of the solution. The final media is an ultra-fine iron wool that reduces the silver content of the solution far below acceptable levels. The entire matrix assures a regulated solution flow pathway, for predictable performance and a long useful life.

Comparison of Method Used					
Operating Facts		Iron Filing	Steel Wool	Multi-Media	Multi-Media
		6 gal. Fiber Core Columns & Tubes	4.25 gal. Buckets	4.25 gal. Canister ST-MM4-GF	6 gal. Canister ST-MM7-GF
Metallic Replacement Media		Iron filings Chopped Steel Wool Furnacofilte Core	Spun Steel Wool Rolls	Multi-Stage/Grade Steel Wool & Iron Pellet Catalyst	Multi-Stage/Grade Steel Wool & Iron Pellet Catalyst
Overflow Gravity Feed		Good	Good	Excellent	Excellent
Disposable (no re-pack labor or mess)		No	Yes	Yes	Yes
PH Adjusting Catalyst (to prolong useful unit life)		No	No	Yes	Yes
Maximum Useful Life		3 Months	6 Months	1 Year	1 Year
Typical Solution Processing Capacity (same size model)	Primary Recovery	200 gal. (757 l)	150 gal. (567.8 l)	400 gal. (1,514 l)	800 gal. (2,271 l)
	Electrolytic Backup	500 gal. (1,892.5 l)	375 gal. (1,419.4 l)	1,000 gal. (3,785 l)	2,000 gal. (7,570 l)
Silver Recovery Capacity (in Troy Oz.)		75 troy oz.	50 troy oz.	75 troy oz.	150 troy oz.
Typical Retail Price		\$115.00	\$58.00	\$71.95	\$91.95
Estimated Per Gallon Operating Cost Comparison		23¢	15¢	7¢	4.5¢
Minimum Silver Discharge (in Parts Per Million)		1-5 ppm	1-5 ppm	.5-5 ppm	.5-5 ppm

Silver Trap™ Multi-Media-GF Recovery Canisters

Product	ST-MM4-GF	ST-MM7-GF
Size	4.25 gal. (16.09 l)	6 gal. (22.71 l)
Media Weight	11 lb. (5.0 kg)	17 lb. (7.7 kg)
Inlet Height	9" (22.86 cm)	14.5" (36.83 cm)
Outlet Height	9" (22.86 cm)	14.5" (36.83 cm)
Unit Dimensions	H 12" (30.5 cm) x Dia. 12" (30.5 cm)	H 18" (45.7 cm) x Dia. 12" (30.5 cm)
Max. Flow Rate	200 ml/min.	300 ml/min.
Max. Volume Capacity		
Primary Use	400 gal. (1,514 l)	800 gal. (3,028 l)
Electrolytic Back-Up Use	1000 gal. (3,785 l)	2000 gal. (7,570 l)

The ultimate economical compliance choice!



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