



METALLIC REPLACEMENT
Canisters and Cartridges
FOR METERED PUMPING SYSTEMS



Process up to 2000 gal. (757 l) from a single canister!

Recover up to 150 troy oz. of Silver Each

The Silver Trap™ Multi-Media-EP Advantage

Metallic replacement silver recovery devices are a necessity to meet today's ever stringent, low ppm silver 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 the higher silver content solutions, silver builds up on the surface of the iron, "protecting" it from the ravishes of acidic chemical decomposition and without this protection, the useful life of these devices is drastically reduced.

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

However, the patented Multi-Media technology utilizes multiple, separate media catalysts. The entire matrix assures a regulated solution flow pathway for predictable performance and a long useful life.

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Silver Trap™ Multi-Media-EP Canisters

These units have a durable iron pellet structure, which acts to initially neutralize the acidic fixer, when it uses three further medias; the first media is a coarse iron wool catalyst to recover silver. Another media, a medium grade iron wool catalyst, even further reduces the silver content from the solution. The final media is an ultra-fine iron wool that reduces the silver content of the solution far below acceptable levels.

- **Long lasting! Up to 2000 gallon (7,570 l) capacity.**

- **Higher efficiency! Reduces silver discharge far below the 5 ppm EPA limit.**

- **Lower Overall Cost! Processes 2 to 5 times more solution than competitive cartridges over the unit life.**



ST-MM4-EP
3.5 gal. (13.2 l)
Canister



ST-MM7-EP
6.5 gal. (24.6 l)
Canister

Multi-Media Cartridge

The Multi-Media Cartridge uses the same durable iron pellet structure as the Multi-Media Canister plus three medias that include: a coarse iron wool, medium grade iron wool and a powdered metallic fiber to reduce the silver content of the solution far below acceptable levels. They feature an ultra-compact, space saving, modular design that can meet any installation requirements. Once installed, the operation, silver collection and catalyst usage can quickly be visually observed through the cell's unique clear plastic cylindrical "window" embodiment.

- **Money and time saving disposable system**
- **Quickly replaceable, integral cell and shipping jar in one**
- **Easily drained and rinsed for shipping**



ST-WMM-EP
90 oz. (2.7 l)
Cartridge

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Standard Steel Wool EP Canisters

These units are perfect for the cost conscious customer that wants to retrieve the majority of their silver and be in compliance with the silver regulations within their community. Available in a 3.5 gallon (13.2 l) model (SSWB-3-EP) and 5 gallon (18.9 l) model (SSWB-5-EP). Both models and sizes are for primary recovery or electrolytic back-up use.

The unique EP (Meter Pumped) Model is specifically designed for all pumped applications. Unlike other steel wool canisters, the EP Model does not have an automatic internal bypass, which simply allows pressurized pumped solution to completely bypass the steel wool catalyst. The canisters are manufactured with a virtually leakproof haz-mat heavy duty lid and spin weld fittings. These units have established a new standard of quality and performance for pump station canisters.

To receive the maximum benefit from USI's Standard Steel Wool Canisters, it is recommended to use two units in a series and rotate them forward when maximum capacity is met.

- Meets the EPA's 5 ppm silver discharge regulations
- Low cost silver recovery method
- Money and time saving disposable system
- Ideal for all fixers
- Easily rinseable for legal transportation
- Designed for primary recovery or electrolytic back-up use
- Virtually leakproof haz-mat heavy-duty lid



SSWB-3-EP
3.5 gal. (13.2 l)
Canister



SSWB-5-EP
5 gal. (18.9 l)
Canister

Silver Trap™ Window-EP Cartridge

The cartridge is manufactured with a patented, time-proven matrix core, which can last for years. This high-surface area core is the longest lasting, most efficient sacrificial catalyst material ever developed. The low-cost unit has a unique clear-plastic housing for optimum monitoring and visual observation. This feature clearly displays both silver quantity and quality, as well as processing solution integrity.

The silver-filled, exhausted window unit can easily be replaced in a few minutes. The used unit, when drained of liquid, becomes a convenient leakproof, airtight shipping container. The cartridge can also be easily rinsed to meet EPA shipping regulations.

The ultra-compact, heavy-duty, low cost Silver Trap™ Window Cartridge is designed for convenient long term use. Like all other USI products, it comes with a one-year unconditional warranty, the strongest in the industry.

- Clean, safe, fast replacement procedure
- Ultra-compact, space-saving, modular feature
- No filter bags or cores to buy, replace or plug up



ST-WD-EP
90 oz. (2.7 l)
Cartridge



M E T A L L I C R E P L A C E M E N T
Canisters and Cartridges

F O R M E T E R E D P U M P I N G S Y S T E M S

Canisters & Cartridges for Metered Pumping Systems

Product	ST-MM4-EP	ST-MM7-EP	ST-WMM-EP	ST-WD-EP	SSWB-3-EP	SSWB-5-EP
Size	3.5 gal. (13.2 l)	6.5 gal. (24.6 l)	90 oz. (2.7 l)	90 oz. (2.7 l)	3.5 gal. (13.2 l)	5 gal. (18.9 l)
Media Weight	11 lb.	17 lb.	3 lb.	4 lb.	4 lb.	8 lb.
Inlet Height	7.5" (19.05 cm)	14.5" (36.8 cm)	13" (33 cm)	13" (33 cm)	8" (20.3 cm)	11.75" (29.8 cm)
Outlet Height	7.5" (19.05 cm)	14.5" (36.8 cm)	13" (33 cm)	13" (33 cm)	8" (20.3 cm)	11.75" (29.8 cm)
Unit Dimensions	12" H x 12" Dia. (30.5 cm) (30.5 cm)	19" H x 12" Dia. (48.3 cm) (30.48 cm)	11.25 H x 4.625 Dia. (28.6 cm) (11.7 cm)	12" H x 12" Dia. (30.5 cm) (30.5 cm)	12" H x 12" Dia. (30.5 cm) (30.5 cm)	15" H x 12" Dia. (38.1 cm) (30.5 cm)
Flow Rate	200 ml/min.	300 ml/min.	100 ml/min.	100 ml/min.	200 ml/min.	300 ml/min.
Max. Volume Capacity						
• Primary Use	400 gal. (1,514 l)	600 gal. (2,271 l)	200 gal. (757 l)	300 gal. (1,135.5 l)	150 gal. (567.8 l)	250 gal. (946.3 l)
• Electrolytic Back-Up Use	1000 gal. (3,785 l)	2000 gal. (7,570 l)	500 gal. (1,892.5 l)	1,000 gal. (3,785 l)	375 gal. (1,419.4 l)	625 gal. (2,365 l)



ST-MM4-EP

ST-MM7-EP

ST-WMM-EP

ST-WD-EP

SSWB-3-EP

SSWB-5-EP



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

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