

Maratek Environmental Inc.

*The leading environmental service provider for photofinishers!*



# The Silver Saver

## Silver Recovery Unit (SRU)

**The most intuitive, reliable and efficient effluent management system yet!**

The Silver Saver is an attractive and complete silver monitoring and metering system that offers a sleek, efficient, and space saving design with the latest computer technology for discharge monitoring and compliance assurance. Quick disconnect fittings allow for simple cartridge changes and the design allows for easily accessible service.

- ◆ De-silvers at a rate up to 500 mL/min
- ◆ Maintains silver levels well below 5 ppm
- ◆ Controlled by a PLC, offering live feedback for troubleshooting and user-friendly operation
- ◆ Intuitive warning system, identifies potential problems before they happen and notifies the user, identifying common problems such as plugged drains, clogged cartridges and spills.
- ◆ Optional Drain Flushing system, keeping drains clog-free forever without the use of potentially hazardous drain cleaners
- ◆ Has a footprint of under 2 ft<sup>2</sup>



HALIFAX—MONTREAL—OTTAWA—TORONTO—WINNIPEG—CALGARY—EDMONTON—VANCOUVER

# The “Silver Saver” Silver Recovery Unit (SRU)

The **Silver Saver** system is the most advanced, easy-to-operate, and attractive effluent management and silver recovery system on the market today. It is fully-automated, desilvers at a rate up to 500 ml/minute (0.13 gal/min) and maintains silver levels well below 5 ppm -- all in a footprint of only 2 ft<sup>2</sup>. The **Silver Saver** has a programmable monitoring and metering system that controls and tracks the flow of silver-rich and non silver-rich solutions from on-board holding tanks. The silver-rich solutions are metered through an advanced cartridge system which utilize a patented medium that performs consistently and virtually eliminates channelling. This allows for significantly higher flow rates than most silver recovery systems.

This state-of-the-art system is the first-ever PLC controlled silver recovery system available on the market, offering unprecedented control of the silver removal process. The unit is programmed to display troubleshooting messages, provide advanced warning against any system malfunctions, and has a built in monitoring system, allowing technicians to view logs of diagnostic messages. Our system was designed to be robust, operator-friendly, intuitive, and compliant. There is no system like it on the market.

An optional add-on to the **Silver Saver** is our **Drain Saver** system. This automated commingling system works to keep drains clog-free. The **Drain Saver** accepts all spent film processing chemicals -- both de-silvered and non-silver-rich -- commingles them, and sends them down the drain under pressure. The system does not utilize a water driven pump, greatly reducing the potential for spills and floods. In addition, the **Drain Saver** automatically cleans all critical components, ensuring trouble free operation and extended equipment life.

The **Silver Saver**, combined with our silver recovery cartridges, makes it easy for a photolab to remain in compliance, with little operator intervention or maintenance required. Quick disconnects and easy-to-service parts allow for simple cartridge changes and servicing.



## Product Specifications:

Electrical Requirement:	110 V or 220 V
Weight:	40 lbs
Unit size:	28" H x 15" D x 15" W



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