



### A CASE HISTORY ON BRIGHT NICKEL

**Question:** Who says that filter papers cost less than filter cartridges?

**Answer:** The filter paper salesman.

We at **SERFILCO** prefer to let our customers prove him wrong. This is the experience of just one of many.

MIDLAND CHROMIUM PLATING Ltd. of Birmingham, is one of the U.K.'s foremost chrome platers, with particular expertise in the plating of tubular steel for the furniture industry. As a result of the large amounts of iron particles from within the bore of the tube, the bright nickel tanks were difficult to keep clean with subsequent loss of plating quality due to roughness on the work. Previously on one of their 2645 gallon nickel tanks they were filtering through filter papers with a total surface area of 36 sq. ft. at a clean recirculatory flow rate of 3570 GPH resulting in an average flow rate of only 1785 GPH or only 2/3 of a tank turnover per hour. These filter papers needed to be changed twice per week necessitating over two hours downtime, labor costs and loss of solution.

MIDLAND CHROMIUM PLATING Ltd. decided to install a **SERFILCO** Super Space-Saver filter system on this tank with a maintained full flow rate of 6605 GPH filtering through depth wound filter cartridges, giving them a full 2½ tank turnovers per hour over a two month period before the cartridges needed to be cleaned. Because of the unique design of the **SERFILCO** filter chamber with its quick release clamps this takes no longer than 30 minutes. This alone represented a saving of almost 100 man hours per year in labor and gave them an extra 100 hours of plating time. In addition, as a result of the increased flow rate and high efficiency filtration, roughness and rejects are now a thing of the past to MIDLAND CHROMIUM PLATING Ltd.

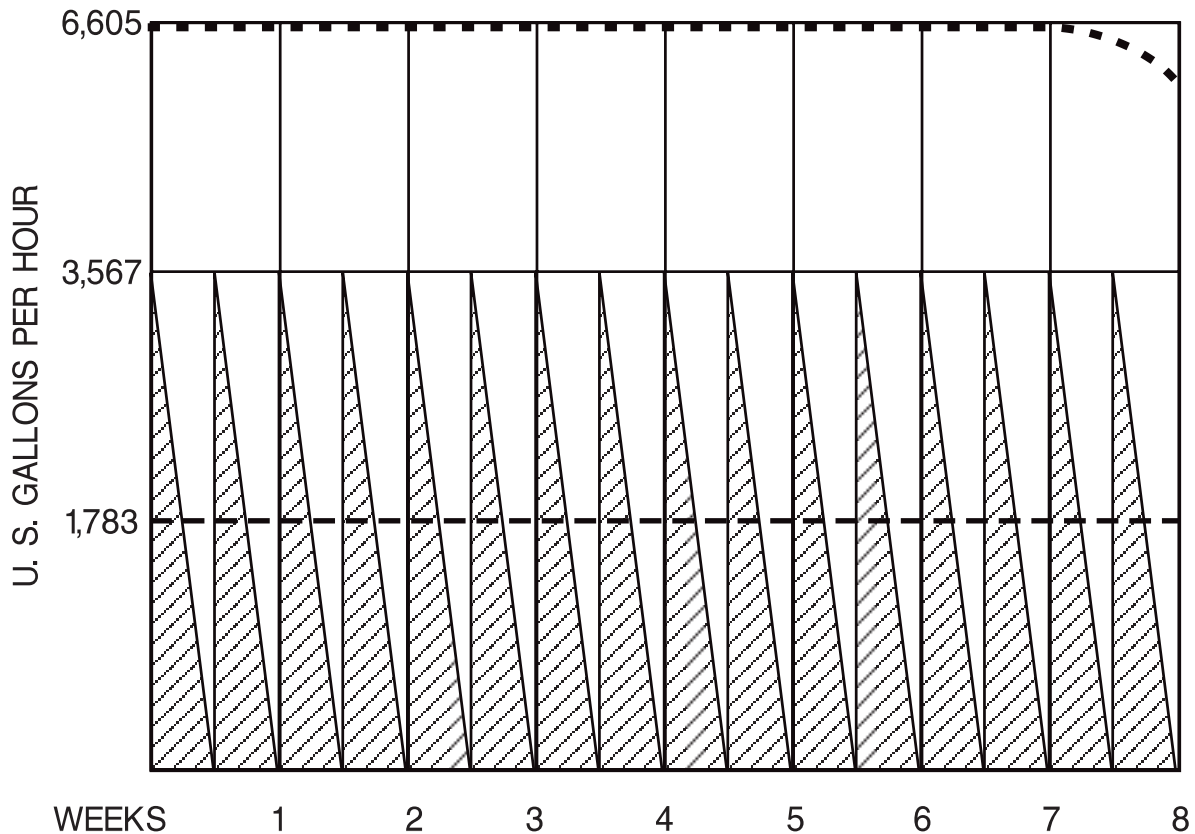
As a result of the success of this installation with its rapid payback, MIDLAND CHROMIUM PLATING Ltd. went on to equip their two other bright nickel tanks as well as their satin nickel process with **SERFILCO** Filter Systems and have never looked back.

Briefly summarized, the benefits of cartridge filtration on Bright Nickel and Acid Zinc are:

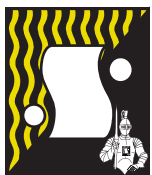


- Cartridges offer longer service life
- Cartridges are quicker and easier to change
- Less downtime, more plating
- Cartridges reduce hazardous waste volume and cost - simply re-use time and time again
- No need to carbon coat, simply insert carbon cartridges for periodic carbon treatment, or add a separate carbon chamber with bulk granular activated carbon.
- Easy to up-grade with additional cartridge chamber and/or larger pump impeller and motor.

***For all your filtration needs, give us a call today. We will show you how the best will save you money, not cost you money.***



- Depth wound filter cartridges maintained full flow rate of 6605 GPH providing a full 2½ tank turnovers per hour over a two month period before the cartridges needed cleaning.
- At a clean recirculating flow rate of 3570 GPH resulting in an average flow rate of only 1785 GPH or only two thirds of a tank turnover per hour, the filter papers needed to be changed twice per week, resulting in downtime, labor costs and loss of solution.



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