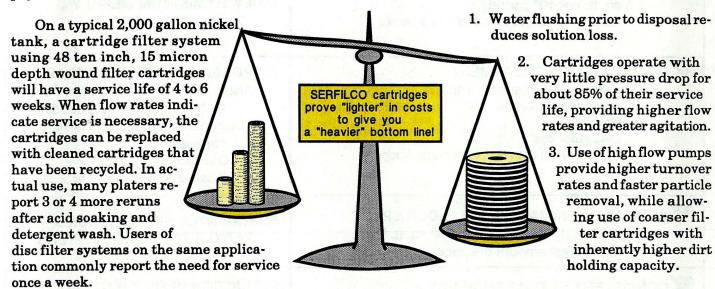


CARTRIDGES VS. DISCS

How to determine your true filtering costs and still get "QUALITY" plating

In today's climate of increasingly restrictive environmental and quality control consciousness, it pays to know what your operating costs are. In addition to the cost savings estimated below, wound depth cartridges offer other advantages that help to increase your bottom line.



Annual costs of servicing and disposal

For comparison of costs, consider a typical 2,000 gallon nickel plating tank with a 5,000 GPH filtration system using 50 sq. ft. of discs versus 48 ten inch cartridges (168 sq. ft. equivalent surface area).

CARTRIDGES (48 TEN INCH) ve	rsus DISCS (50 SQ. FT.)	
LABOR: 1 hr. every 4 weeks (13 hrs.) @ \$10 / hr \$130	LABOR: 1 hr. x 52 weeks @ \$10 / hr.	- \$520
CARTRIDGES: (12 week life) 48 cartridges @ \$1 / cart. x 4.3 changes per year = \$312	DISCS: \$ 13 / week x 52 weeks	- \$676
DISPOSAL COSTS:	DISPOSAL COSTS: assume 1/16" cake @ 50 sq .26 cu. ft. / week x 52 weeks = 13.5 cu. ft	
208 cartridges totalling 8.6 cu. ft. @ \$70 / cu. ft. = \$602	13.5 cu. ft. x \$ 70 / cu. ft.	- \$945
TOTAL ANNUAL COSTS: \$1,044	TOTAL ANNUAL COSTS:	\$2,141

It makes good "cents" to compare dollars spent!

CHECK THE ADVANTAGES OF FILTERING WITH DEPTH CARTRIDGES AS OPPOSED TO DISCS IN THE PLATING INDUSTRY!

DEPTH CARTRIDGE FILTRATION	DISC	
WHIGH FLOWS No need for extra agitation. Contaminants filtered as fast as they occur	LOW FLOWS	
HIGH LOAD CAPACITY 3.5 sq. ft. per 10" cartridge Common changes required 4 to 8 weeks Less labor intensive	DAILY TO MINIMUM WEEKLY CHANGES	
MINIMUM WASTE TREATMENT Only disposal is of spent cartridge No need to rehandle No mess Less labor cost No backwash of toxic heavy metal sludge	DISPOSAL REQUIRED OF DISCS Also diatomaceous earth and / or carbon mud disposal needed Additional treatment required prior to disposal: Compaction of sludge Possible further treatment of sludge	
COMPACT / MINIMAL USE OF FLOOR SPACE Depth cartridge gives the highest sq. ft. filtration in the least amount of space	FREQUENTLY NEEDS BLOCK & TACKLE TO CHANGE FILTERS	
CONSISTENT FILTER EFFICIENCY	REDUCTION IN FILTER CAPACITY AS PRESSURE DROPS QUICKLY	
VERSATILE Carbon treat separately	CARBON and DIATOMACEOUS EARTH USED TOGETHER IS MESSY, MESSY!	

Conclusion:

The ULTIMATE FILTER EFFICIENCY for the LOWEST OVERALL COST when using DEPTH CARTRIDGE FILTRATION to achieve HIGHER QUALITY PLATING.



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