

BUT . . . how will I be able to plate fast without the agitation needed to transfer the ions from the anodes or solution to my parts . . . the answer is – **change** over to pumped agitation (Ser-Ducting®) using the natural phenomenon of a venturi which will multiply your pump flow capacity five-fold. This now can provide 50-100 turnovers per minute

The result will be faster – quite possibly 20-25% faster – plating . . .

. . . and **prevent** unwanted particulates, dissolved aerosols and cool air from entering your tank, which means you spend **less dollars** to heat – and **reduce** tank emissions.

. . . it also causes your brightener system to break down, requiring more carbon.

. . .and again, with **less** rejects, **less** laboratory control . . . this all adds up to **better** profit and quality and **less** rejects.

SO, TO SUMMARIZE . . .

1. **Filter** your cleaner with gravity or pressure type filters.

Coalesce for oil removal.

2. **Extend** the life of your rinses to reduce water consumption and reduce waste treatment by filtering and carbon treating your etchants and final rinse to eliminate the chance of contaminating your plating solution, this works for phosphating, anodizing or electrophoretic solutions as well.

3. With SER-DUCTOR® **pumped agitation**, you increase throwing power, get into recesses with less amperage, economically maintain tank temperatures, eliminate a source of airborne contamination, and minimize tank emissions. All of which will improve your process and save you money

Talk to your supplier to get the SERFILCO 'bang' for your buck - \$, £, or €

IT'S EASY AS 1, 2, 3 –

DO IT NOW!!

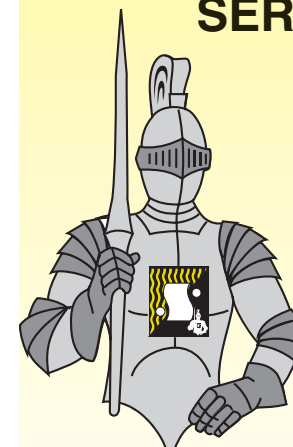


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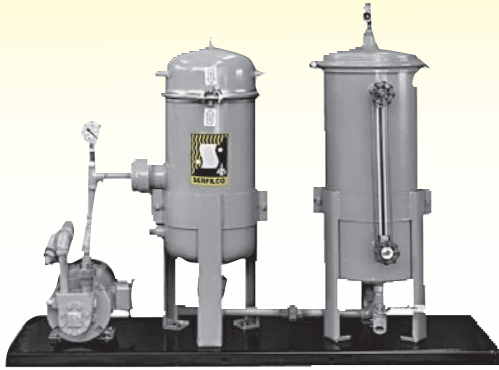
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**YOUR
 GUIDE
 TO
 IMPROVED
 QUALITY
 WITH
 SERFILCO
 PUMPS,
 FILTERS,
 INSTRUMENTS,
 SER-DUCTING® AND
 SER-CARBONIZING**



*"SIR FILCO"
 Guardian of
 finishing quality*

Like the footings of your house or the floor of your plant – you can't do without it. So it is with metal or plastic finishing.



CLEAN, CLEAN, CLEAN

but how to clean in a dirty bath?



You need a **filter** to remove the soils you loosened from the parts in the soak

and a **coalescer** to separate the oils

and **carbon** to adsorb the film or residue.

NOW:

The cleaner will perform better and last longer. But don't stop there – because you are just starting to get the idea of cleanliness throughout your processes.

NEXT: The rinses – acid etch and any other conditioners will perform better providing consistent quality if skimmed, filtered and treated with granular carbon.

Why is this necessary?

Well, if you don't extend their life, you increase your waste treatment, and isn't it easier to filter pretreat solutions than the plating solutions? Media from pretreat solutions is typically non hazardous and easier to dispose.



You have now eliminated about 70% of your problems as attested to by all chemical suppliers.

So how do I get the other 30% resolved?



FILTER, FILTER and RE-FILTER

It's called 'turnovers'. Pass the plating solution across your filter media – the more often, the better – it makes coarser media work longer, holding more solids.

So, is there a better way to carbon treat?

The answer is yes – put the carbon of granular size in a separate container behind the solution filter you are using, and carbon treat continuously or as needed.