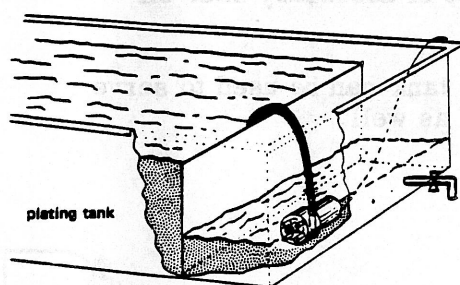


SERFILCO®

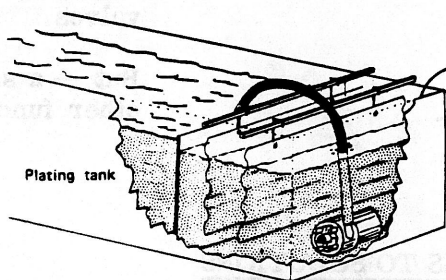
TECHNICAL BULLETIN

SERFILCO SUBMERSIBLE MAGNETIC COUPLED PUMP APPLICATIONS



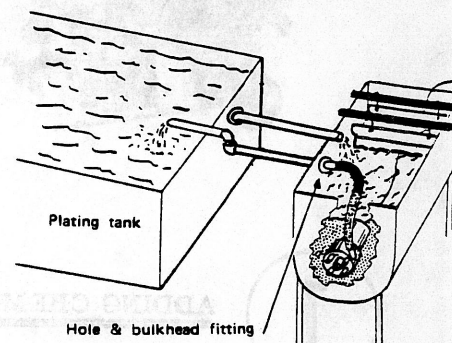
SKIM-CLEANER FOR PLATING TANKS

Serfilco Submersible Pump is placed on bottom of tank (1) separated from main tank by a weir, or in an auxiliary (2) tank placed next to the main tank. An overflow pipe is provided to direct solution to the auxiliary tank. This type of layout would be ideal for skimming electroplating tanks. This is especially adaptable for zinc or cleaning solutions where the scum is stored in the auxiliary tank until dumped.

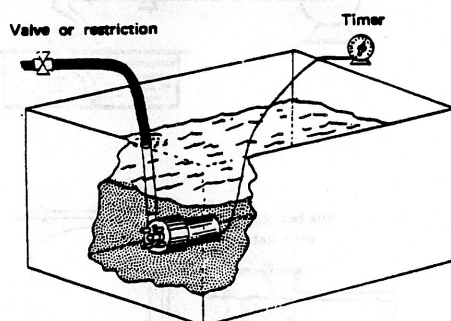


RECIRCULATE ELECTROPLATING SOLUTIONS

The Serfilco Submersible Pump can be used to recirculate nickel electroplating solution through a dummy tank by placing the pump and motor in the main nickel tank and overflow from the dummy tank back to the plating tank. (See Technical Bulletin 867-G.)

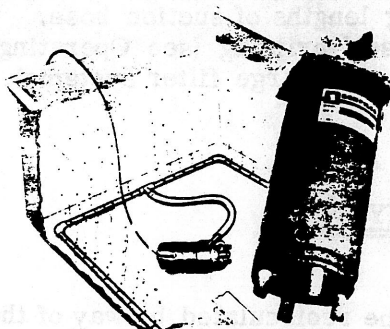


SLURRY TANK AS A DUMMY TANK



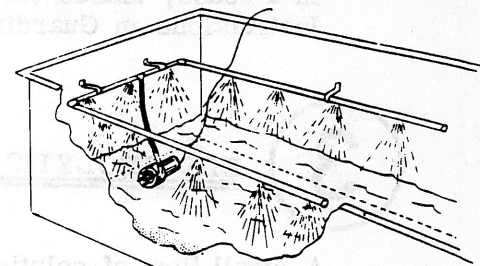
TIMED TRANSFER SYSTEM

Serfilco Submersible Pump may be used as a chemical feeder.



IN-TANK DISPERSION SYSTEM

Serfilco Submersible Pump may be placed on bottom of tank and connected with a hose to a pipe dispersion system.

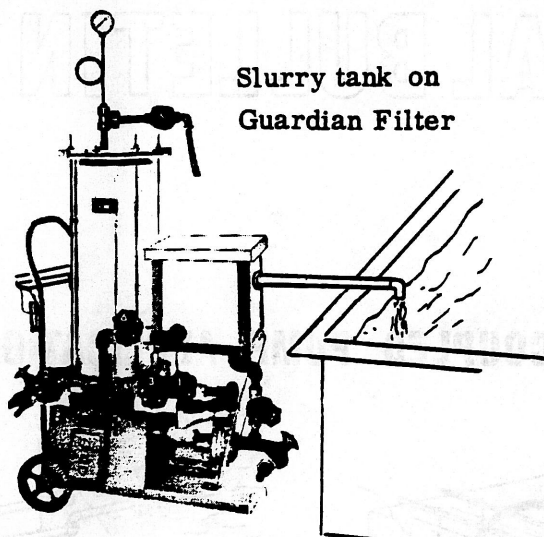


SPRAY WASHER

The Serfilco Submersible Pump may be used as a simple spray washer.

When is a slurry tank

not a slurry tank?



Slurry tank on
Guardian Filter

Useful applications for your slurry tank on your filtration system

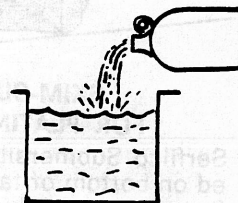
The basic purpose of a slurry tank is to provide a convenient way of adding filter aid (precoating) to a filter support membrane and to provide the means of adding additional filter aid and carbon from day to day as required. Smooth precoating requires the use of necessary shut-off valves.

But -- a slurry tank can be used to serve other functions as well.

1

ADDING CHEMICALS TO SOLUTIONS

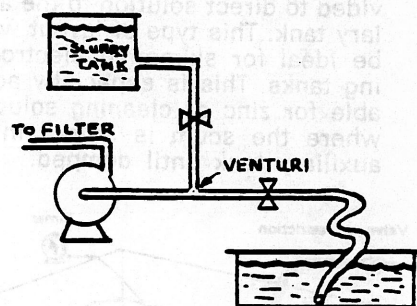
Chemical additions to the solutions can be made directly thru the filter by placing the chemicals first in the slurry tank.



2

PUMP PRIMING

Pumps can be primed by first recirculating solution from the slurry tank to the pump ---- and then back again to the slurry tank. A venturi is set up on the suction side of the pump which will remove the air from long lengths of suction hose. This, in a sense, makes the pump self-priming (see Operating Instructions on Guardian and other large filter systems).



3

ELECTROLYTIC DUMMYING

A small flow of solution can be recirculated by way of the slurry tank. Plating at low current densities can be accomplished by placing corrugated or other objects in the slurry tank.

A simple overflow pipe and bulkhead fitting can be attached to any slurry tank (if higher than plating surface) to make the flow self-regulating when over-night operation is used.

