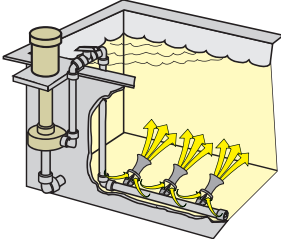


Pretreatment cleanliness assures good electrocoating. Keep them clean and oil-free . . . easily and economically with SERFILCO engineered filtration, coalescing, carbon, and filtration systems.

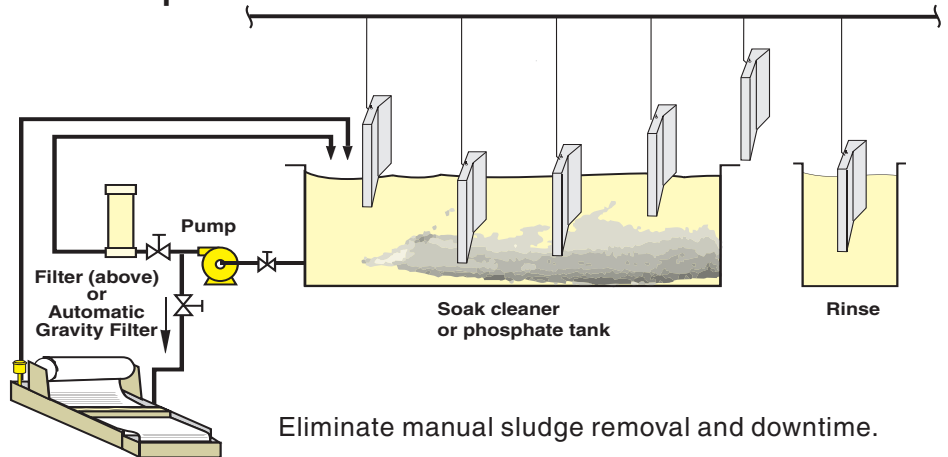
1 Use SER-DUCTOR® Systems For Uniform Agitation On All Solutions



SER-DUCTOR AIR-LESS AGITATION combines pumps and eductors to increase solution circulation for better impingement to loosen scale from recessed cavities. This results in longer cleaner life, less disposal cost and better adhesion (same for phosphate solutions).

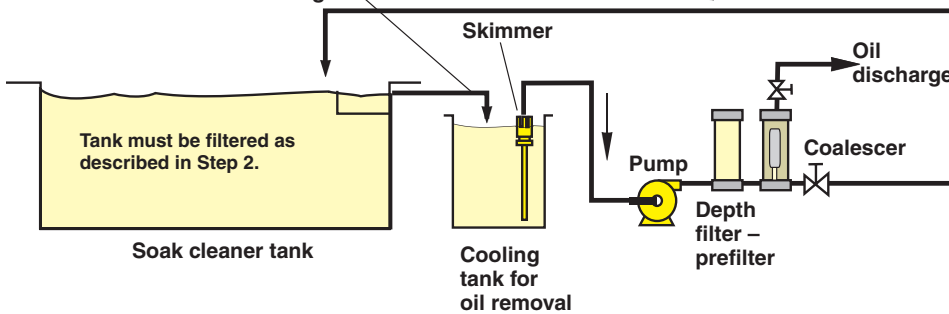
2 Filter Your Cleaners And Phosphate Solutions

HEAVY SEDIMENT is removed by coarse cartridge filter or automatic gravity filter.



3 Remove Oils

Overflow from weir or bulkhead fitting



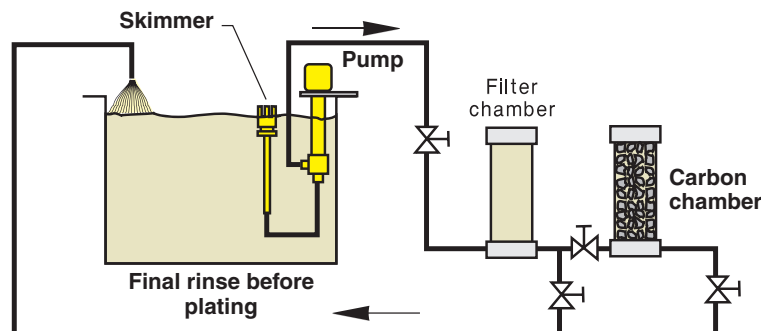
OIL IS MOST EFFECTIVELY REMOVED off line by feeding overflow weir to unheated side tank. Cooled cleaner is skimmed, prefiltered and coalesced.

(NOTE: Pump can be in-tank or out-of-tank.)

4 Filter The Last Rinse With Carbon Prior To Finishing

THE FINAL RINSE BEFORE coating whether after cleaner or phosphate is your last chance to remove oil and particles before they reach the process tank. Use of skimmer removes surface air borne particles.

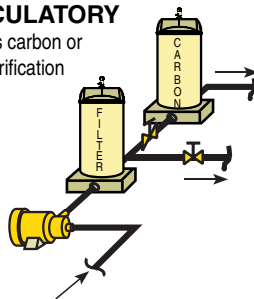
(NOTE: Pump can be in-tank or out-of-tank.)



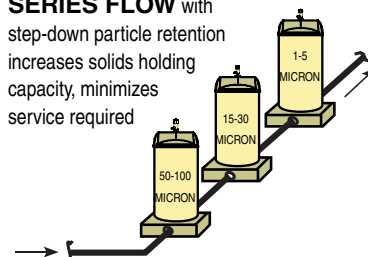
5 Filter Incoming Water For The E-coat Process

- Cartridge Filters for solids removal
- ION Exchange for removal of salts
- Carbon for adsorption of organics

RECIRCULATORY
with bypass carbon or resin for purification

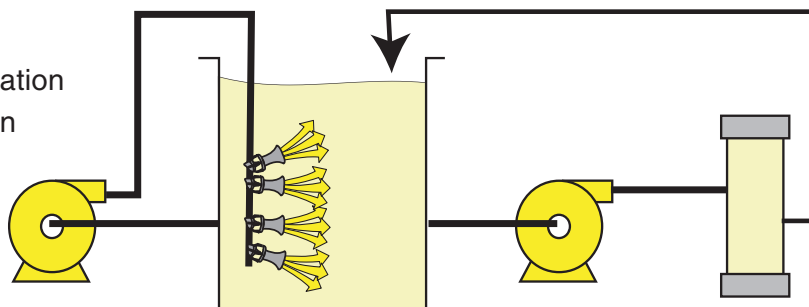


SERIES FLOW with step-down particle retention increases solids holding capacity, minimizes service required



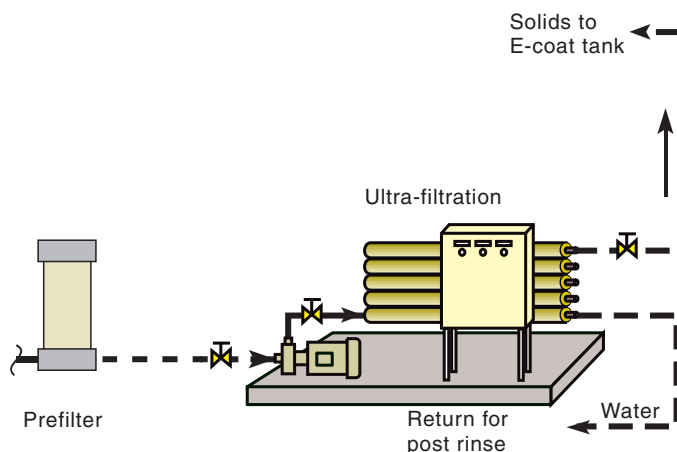
6 Use A Low Shear Pump With Eductors, to keep coating solids uniformly in suspension

Filter to remove air borne contamination and agglomerated paint and resin

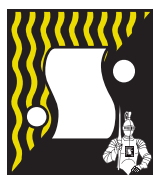


7 To Reduce The Amount Of Water Carried Into The Coating Tank,

A SEPARATE LOW SHEAR HIGH-PRESSURE PUMP AND FILTER DOWN STREAM OF THE MAIN FILTRATION SYSTEM SHOULD BE ADDED ahead of ultra-filtration to protect the membranes (R.O.) which will separate the solids while reducing the water content in order to keep the coating tank in balance - the pure water which was removed is suitable for pretreatment solutions and rinses.



Ultra-filters control paint conductivity, produce permeate for rinsing, and allow for recovery of paint solids.



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