



Reverse Osmosis Rinse

AUTOMATIC COATING LIMITED

Your Powder Coating / Painting Job Shop

“Almost all custom coaters use three stage parts washers, ACL uses five and the 5 stage parts washer’s just got even cleaner!!”

ACL's steps for cleaning and phosphating parts are (1) hot alkaline clean (2) rinse (3) hot Conversion coating (4) rinse (5) final rinse. ACL has replaced regular tap water with Reverse osmosis “R.O” water in it's final rinse stage.

Reverse osmosis, also known as hyperfiltration, is the finest filtration known. This process will allow the removal of particles as small as ions from a solution. The tap water will pass through the reverse osmosis membrane, while rejecting other ions and contaminants from passing, cleaning the tap water by another 98 percent. It is used to produce water that meets the most demanding specifications that are currently in place.

In typical parts washers, these impurities in the final rinse water would normally dry on the surface of the part before coating, creating a microscopic barrier, the R.O final rinse almost eliminates this barrier.

For ACL'S customers the new R.O means an even better looking finish, improved adhesion and superior salt spray resistance, all this being completely environmentally friendly.



This state of the art R.O system can produce up to 15 GPM 24 hours a day.



The ultra clean water is actually corrosive to mild steel. Everything must be built from plastic, stainless steel or epoxy coated steel.



ACL's stainless steel washer is resistant to the R.O water. The mild steel washer was internally sand blasted and coated with 20 mils of epoxy for protection.



2 2500 gallon plastic R.O water tanks give ACL lots of capacity & flexibility.

“Constant Upgrades keep ACL's Quality and equipment one step ahead”

- * 70,000 sq' modern facility
- * Electrostatic Powder coating Line #1 with 5 stage wash 4'x 8' 12' opening, 2500 lb capacity.
- * Electrostatic Powder coating Line #2 with 240' long 5 stage stainless steel washer 5' x 7' x 35' part opening, 4000 lbs capacity.
- * Powder coating Line #3 with 9'x 9'x 24'x 10 ton multi oven batch system

- * Powder coating Line #4 with Multi-Coat System
- * State of the art spray booth & powder recovery system
- * Automated Fluid bed dip up to 24' long (mil spec)
- * Metal stripping burnoff 5'x 9'x 12'
- * Extrusion cut to length service
- * 6 automated gritblasting wheelabrators of all sizes
- * Indoor loading docks with 10 ton overhead crane
- * Product assembly areas.

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