

The next best thing to WATER-LESS washing...

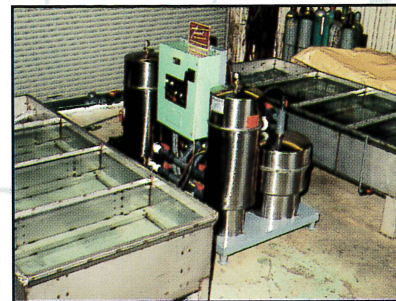
That's right, the Tiegel Wash Maximizer I reduces water usage by **99.9%—with just 40 gallons waste water per 4 shifts of washing.*** Its patented design closes the washing loop in the Dry Charge operation and saves water in basically three ways:

First, the water produced by the Dry Charge machine is cooled and returned using a cooling tower or heat exchanger. Depending on the size of the Dry Charge, a savings of 10-20 gallons per minute (35-70 liters per minute) per machine can be realized just in the Dry Charge area alone.

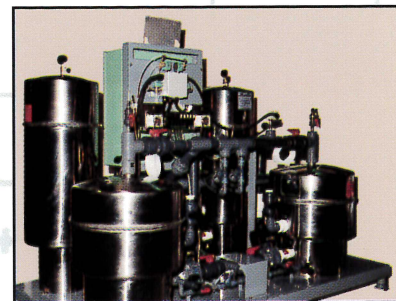
Second, the slow flow stream is reduced to the lowest possible rate while still maintaining good washing efficiency. For a system with three slow flow tanks, 99% of the acid is removed while using as little as one tank volume per batch. The water required is metered out by a microprocessor-controlled, programmable-time duty cycle. Up to 4% sulfuric acid is recovered which can be used for wet battery production.

Third, by recirculating all of the high flow wash water through our unique acid sponge resin beds, the Wash Maximizer I can remove the remaining 1% of residual acid without neutralization. This produces acid- and salt- free water which is filtered for any residual particulate matter— producing crystal clear water for washing of plates and elements.

* Typical installation producing 800 batteries/day (92 GPM high flow is 100% recycled, 0.8 GPM slow flow acid is reclaimed.)



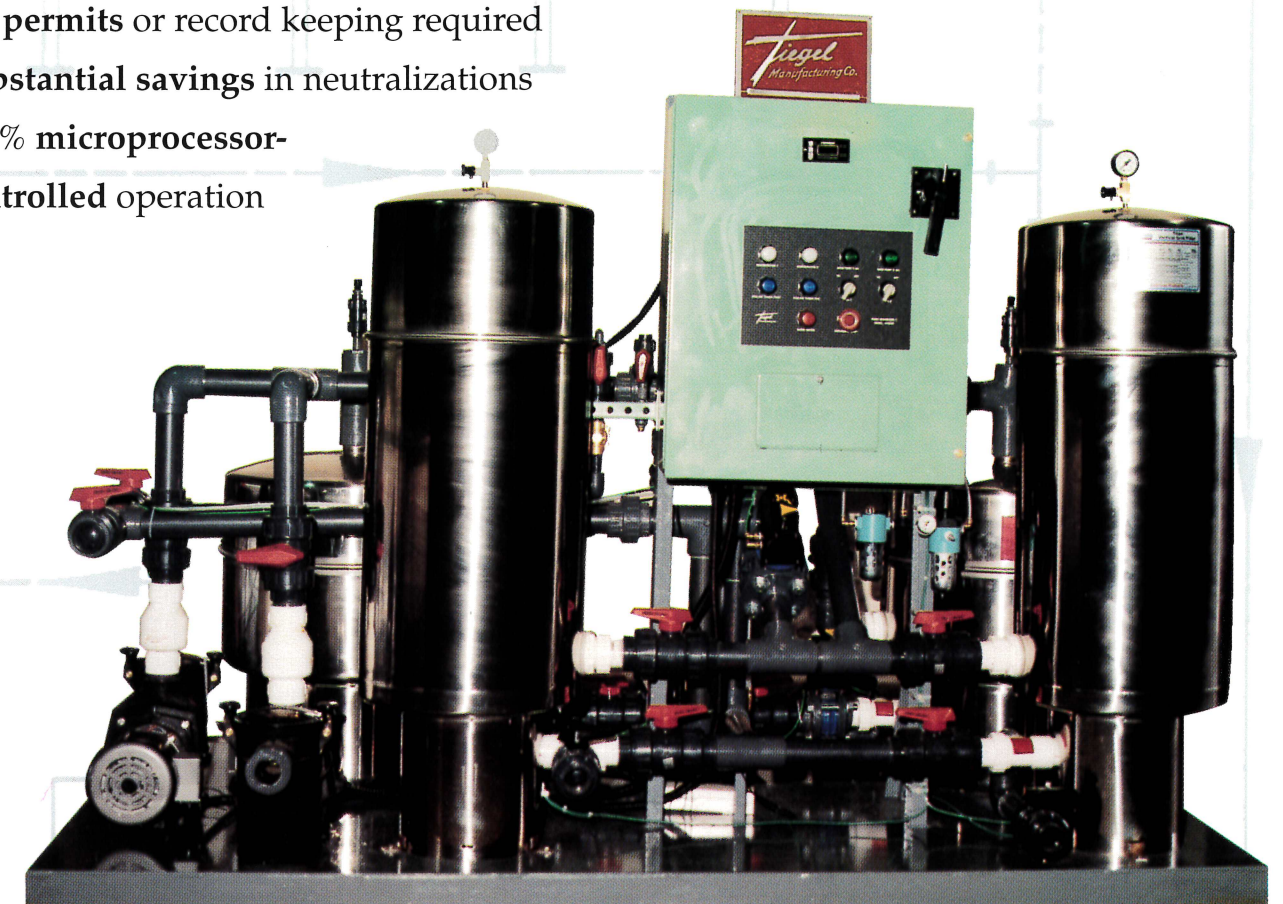
Typical installation.



Rear view of machine.

Wash Maximizer for Dry Charge has the following features:

- ❖ 99.9% water reduction
- ❖ Around the clock operation with **no downtime** required
- ❖ **No waste stream** or disposal costs
- ❖ **No permits** or record keeping required
- ❖ **Substantial savings** in neutralizations
- ❖ 100% **microprocessor-controlled** operation



Tiegel's patented Wash Maximizer I revolutionizes the Dry Charge operation by recirculating the wash water through our unique acid sponge beds, filtering out all impurities and recycling 99% of the acid.

Let us solve your water problems.

Contact Tiegel Manufacturing Company or an Authorized Sales Rep today for a **free consultation.**

