



# World Class Cleaning Solutions

## Case Study

Manufacturer: Fire Suppression Systems

### CUSTOMER DETAILS

- Product:** AquaVantage® 3800 GD
- Parts Cleaned:** Fire Depression Equipment
- Removing What:** Blazo Cut 935 Coolant
- Scenario:** "In Process" cleaning of parts as they travel through the manufacturing process

### CUSTOMER'S CURRENT PROCESS

- Current Chemistry:** Storm Jet by Keteca
- Concentration:** 5%
- Washer Type:** Conveyor type spray washer
- Specific Metals:** Stainless, Aluminum, Cold Pressed Steel, Brass & Copper
- Temperature:** 140°F (60°C)
- Time:** 5 min
- Rinse Water Temp:** 140°F (60°C)
- Rinse Water Number and Time:** 1 for 5 min
- Dry:** 140°F (60°C) for 5 minutes
- Tank Life:** Changed when it stopped cleaning
- Customer Improvement Requested:** Poor parts cleaning plus copper & brass elements of parts were tarnishing



### BRULIN RECOMMENDED PROCESS

- Chemistry:** AquaVantage® 3800 GD / Copper Protector in Rinse Tank
- Concentration:** 4%
- Temperature:** 140°F (60°C)
- Time:** 7 minute wash
- Rinse Water Temp:** 140°F (60°C)
- Rinse Water Number and Time:** 1 for 5 min
- Dry:** 140°F (60°C) for 5 minutes
- Tank Life:** With use of titration tank life is 2 months

### RESULTS

Parts are cleaner plus copper & brass elements are no longer tarnished.

### REASON BRULIN WON

Using 2 ounces of Copper Protector in the rinse water daily parts are no longer being sent out to be Bright Dipped. Estimated annual savings not having to do this steps is \$50,000.00.