

## ***ArmaKleen Technical Service Report Summary***

**Cleaning Trial Type:** Label and adhesive removal, rust/corrosion removal

**Industry:** Pressurized gas supply

**Segment:** 21 Chemical Manufacturing

**Soil:** Vinyl label with adhesive, rust/corrosion

**Substrate:** Anodized aluminum, stainless steel

**Description of Part(s):** Anodized aluminum valve cap and stainless steel connector valve

**Customer objective:** The customer was looking to improve their cleaning process, automate their cleaning process, reduce rework and reject rate, clean mixed metals together, reduce their cleaning costs, eliminate hazardous chemicals and waste and reduce their VOC's.

**Cleaner used:** 100% by volume ArmaKleen™ Paint and Ink Remover  
20% by volume ArmaKleen™ Rust Remover

**Machine used:** Spray –Under-Immersion Washer (T12, T24, 40.1, 81.8 w/ SUI)  
Spray Washer (TL3, FL250, FL500)  
Agitating Immersion Washer (81.8, T12, T24)

**Temperature used:** 160°F

**Time required:** 2 hour for label and adhesive removal, 30 minutes for rust removal

**Post Cleaning:** For the label and adhesive removal the parts were lightly brushed with a nylon brush during fresh water rinsing followed by air pressure drying. For the rust removal, the parts were fresh water rinsed and air pressure dried.

**Recommendation to Customer:** The ArmaKleen Technical Center recommended using 100% by volume ArmaKleen™ Paint and Ink Remover at 160°F in a Spray Under Immersion Washer for a minimum of 2 hours for the removal of glue/adhesive. The ArmaKleen Technical Center recommended using 20% by volume ArmaKleen™ Rust Remover at 160°F in a Spray Under Immersion Washer for a minimum of 30 minutes for the removal of rust.

**Before Picture**



**After Picture**

