



## Spectra-Clean™ System 1

### Stainless Steel Passivation

“Passivation is the removal of exogenous iron or iron compounds from the surface of stainless steel by means of a chemical dissolution, most typically by a treatment with an acid solution that will remove the surface contamination but will not significantly affect the stainless steel itself. \*ASTM A967

Periodic passivation is required to ensure the corrosion resistance of stainless steel products. Fabrication, shipping, handling and use of stainless steel may contribute to surface contamination, causing surface corrosion. Stainless steel's corrosion resistant characteristics come from its elements, specifically chromium and nickel. Chromium and nickel, when exposed to oxygen form a protective oxide film. It is this oxide layer that prevents corrosion. Use this product frequently and when the first signs of surface corrosion appear to reestablish the oxide layer.

**Spectra-Clean System™ System 1** is recommended for use on all stainless steel components that are employed on commercial aquatic facilities. Clean the stainless steel thoroughly before attempting to passivate.

### Kit Includes:

Four 22 oz. Bottles, Spectra-Clean™

### Instructions

Clean stainless steel components often:

Wear Gloves, and use eye protection.

1. Use a mild detergent and a clean cloth, to remove rust, dirt and oil (surface contaminants) from the stainless steel surface.  
**Note:** Do not use steel wool or chlorinated cleansers to clean stainless steel.
2. If all of the surface contaminants cannot be removed by scrubbing with a towel or cloth, use a 3M Scotchbrite scouring pad to remove stubborn surface contaminants. Scrub in the direction of the stainless steel grain to maintain the surface finish.
3. Rinse the area with non-chlorinated water (not pool water) and dry thoroughly.
4. Completely wet the stainless steel surface to be passivated with **Spectra-Clean™ System 1** solution. For best results, allow the treated areas to remain wet for 15 to 30 minutes.
5. Rinse thoroughly with clean, non-chlorinated water. Allow to air dry and wipe with a clean cloth wetted with Spectra-Shield solution for maximum protection.

This process will passivate the stainless steel and help prevent corrosion in the future.

### Emergency First Aid

Although very safe in normal use, **Spectra-Clean™ System 1** is a Citric Acid based material, and as such it may cause irritation to exposed surfaces of the body. Rubber or plastic gloves should be worn when working with this product. If exposed to eyes – flush with water for at least 15 minutes; Skin – flush thoroughly with water; consult physician.

**See MSDS and Product Information Sheet before use.**

