

## User Guide for B/OX™ 313

### **1.) Clean & Rinse**

*For silver surfaces:* Clean, if necessary, with E-Kleen 153 or E-Kleen SR148E. Mechanically engraved surfaces do not have to be cleaned if they are blackened immediately after engraving.

*For nickel plated surfaces:* Freshly plated nickel surfaces should be kept wet with rinse water. Depending on level & type of brightener used in the nickel plating, and it may be necessary to activate the surface with a **2-5-minute** immersion in a **25%** Hydrochloric Acid solution, or an acidic or reverse-current nickel activator.

### **2.) Rinse**

Rinse thoroughly with cold water.

### **3.) Blacken**

*For silver surfaces:* Dilute **1-part B/Ox 313** concentrate with **1-3 parts** water. You may wish to blacken test parts first, to determine the shortest immersion time.

*For nickel plated surfaces:* Dilute **1-part B/Ox 313** concentrate with **3-9 parts** water. You may wish to blacken test parts first, to determine the shortest immersion time. Varying the amount of water will shorten or lengthen the immersion time. Interference colors of varying intensity and color from gold to purple will be developed on the surface prior to the desired black. Immersing parts longer than necessary will cause the black finish to fade.

### **4.) Rinse & Dry**

*For silver surfaces:* Rinse with hot or cold water. Then, force dry.

*For nickel plated surfaces:* Rinse with cold water. Then, force dry.

### **5.) Seal**

Seal in one of the following:

- *For a hard, dry US 10L finish:* E-Tec 520
- *For an oily US 10B finish:* E-Tec 501
- *For hand-applied wax topcoat:* RENWAX.

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Be sure to read and understand the Technical Data Sheets and Safety Data Sheets for each of these products before using them. Please see the B/OX™ 313 Technical Data Sheet for more detailed processing instructions.