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## **Corporation Stop Installation & Removal** **For 3/4", 1" and 1-1/2" Assemblies**

### **NOTES:**

**Safety Chain** – The safety chain length is set so that the solution tube cannot completely back out of the corporation stop (ball valve), but so that the ball valve can be closed. In general, the solution tube will be cut on site so that it penetrates to about 1/3 of the particular pipe diameter. If the solution tube is shortened, the safety chain must also be shortened by the same amount.

**CAUTION:** When opening the ball valve, the consequences must be considered and the water pressure in the line should be known. Hydro Instruments takes no responsibility for results of opening ball valve.

### **1.) Initial Installation**

- a. Determine the appropriate penetration length for the Solution Tube.
- b. Shorten the Solution Tube and safety chain equally (if needed) to achieve desired penetration length.
- c. Insert the assembly into the pipe tap and thread the ball valve tightly in place.
- d. Connect the assembly inlet to the source of the medium to be injected.
- e. Before pressurizing the pipe, ensure the Capture Nut is snugly connected to the ball valve.

### **2.) Solution Tube Removal**

- a. Unscrew the Adapter Coupling (Left Hand Thread) from the Capture Nut.
- b. Slightly loosen the Capture Nut on the ball valve (Right Hand Thread) enough to slide out the solution tube.
- c. Slide the tube back until the chain is taught and close the ball valve.
- d. Remove the safety chain.
- e. Unscrew the Capture Nut from the ball valve (Right Hand Thread).

### **3.) Assembly** – These assembly notes assume that the assembly is apart and the ball valve has already been installed in the pipe.

- a. Determine appropriate penetration length and shorten the Solution Tube and safety chain accordingly.
- b. Hand-tighten Teflon taped Solution Tube into the Adapter Coupling (Right Hand Thread).
- c. Slide Capture Nut, Sleeve and O-Rings onto solution tube.  
**Note:** *O-Rings should be slightly lubricated to ease assembly.*
- d. Insert Solution Tube into the ball valve.
- e. Slightly tighten Capture Nut onto the ball valve (Right Hand Thread).
- f. Attach safety chain, then open the ball valve and fully insert the solution tube.
- g. Attach Capture Nut and Adapter Coupling (Left Hand Thread).
- h. Fully tighten Capture Nut onto the ball valve (Right Hand Thread).