

# TRUMBULL

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## Trumbull Telescoping Valves

**Stainless Steel, Rising Stem Screw Thread Operator**

### **Operation and Maintenance Manual**

#### **Installation:**

Note : The “Riser Pipe” must be installed vertical, and in line with the final location of the Operator.

Install Seal Plate, (2) Split Seals, and Retainer Plate on riser pipe flange. Be sure that the 3/8” Seal Plate is on top. Insert all bolts, but DO NOT tighten. Lube Slip tube with food grade grease and insert thru the Seal Assembly. At this point the slip tube should slide thru the seal assembly. Verify that the slip tube is centered in the seal plate, by the split seals. Only the split seals should be in contact with the slip tube. Tighten seal assembly bolts, being careful not to over tighten. The split seals are designed to be a friction seal, so the tighter the flange bolts are, the harder the valve is to operate. Torque specifications may vary from job to job, due to weight differences and additional valve accessories that may or may not be required per job. However, a good starting point for a screw thread operated valve would be 40 ft/lbs (for valves 4” thru 8”), and 50 ft/lbs (for valves 10” thru 18”), per bolt on the seal assembly. Final adjustments to the valve seal assembly bolts should be done after the valve is completely installed. Once the seal assembly bolts are torqued the slip tube & bail assembly should be held in place by the friction of the split seals. Thread 1 hex on to the extension stem and slide thru the bail of the slip tube. Thread another hex nut on the underside of the bail followed by the jam nut. Mount the pedestal at the required elevation and thread the travel stem thru the stem nut on the Operator. Thread the travel stem thru the Operator until you are able to connect the Extension Stem & Travel Stem with the supplied coupling and pins. Be certain to verify that the Slip Tube, Extension Stem, and Travel Stem are in line and straight. Operate the valve to its highest elevation and grease the travel stem using heavy duty machine grease. Thread the Sight Tube into the top of the Operator Housing. DO NOT over tighten, as this is plastic and will crack. The use of a thread sealer is also suggested.

#### **Final Valve Seal Adjustment:**

After the valve is completely installed, manually operate the valve thru at least one foot travel in either direction.

If you find the valve hard to operate, loosen the seal assembly bolts 3 ft/lbs. per bolt, and try the valve again. Continue this process until the desired rim pull is achieved. If you find the valve to be operating too easily, or notice leakage past the seals, tighten the seal assembly bolts by 3 ft/lbs. Then repeat process as necessary, until the valve seals stop leaking.