Trumbull Manufacturing
3850 Hendricks Road, Youngstown, Ohio 44515
Phone: 330.270.7888 | Toll Free: 877.504.1507 | Fax: 330.392.0756
www.trumbull-mfg.com

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 to 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.

Manual Operation:

Trumbull Telescoping Valves are designed to control the water level of a tank by rotating a handwheel actuator clockwise or counterclockwise. Rotate the handwheel actuator clockwise to raise the water level, counterclockwise to lower the water level. Common ranges can be marked on the clear plastic sight tube. Do not operate these valves dry; lubricate slip tube with food grade grease before operation.

Electric Motor Operation:

See the EMO Manufacturer's published manual.

Maintenance:

The Travel Stem should be kept greased with heavy duty machine grease at all times.

The seals will wear over use and may need replaced. If fluid is leaking past the seals, tighten the seal assembly bolts by 3 ft/lbs each. If leaking persists, inspect both seals for any abnormalities, such as rips, or puncture's. If any are found new split seals will be required.

Unbolt and slide up the retainer plate, remove the damaged seals and replace with new, reinstall retainer plate per instructions.

Contact Trumbull for all necessary replacement parts.

Storage before installation:

There are no special requirements for storage of these telescoping valves; there intended use can be more severe than environmental conditions. However, the valves should be handled with proper care and attention during shipment, handling, and storage to prevent physical damage, especially from contact with material handling equipment.

Manufacturers Contact Info

J. Scott Greaver
Trumbull Industries
400 Dietz Rd
Warren, Ohio 44482

Phone: 330-393-1291
Fax: 330-392-0756
Email: sgreaver@trumbull.com