



# TechTip #1

## Stroking The Valve After Long Term Storage

This procedure is for customers storing their DeltaValve bottom unheading valve(s) for periods longer than six months prior to being installed. To prevent corrosion in the actuator the valve must be stroked at least every six months.

A list of items needed to operate and clean the unheading valve is provided below:

### Equipment

1. Portable HPU (3-phase 460 volt)
2. Hydraulic hoses for HPU-to-cylinder connections (not provided with HPU)
3. Compression ring rental — provided by DeltaValve®
4. Small crane to lift compression ring into place

### Labor

1. One DeltaValve field supervisor
2. Two maintenance personnel — to run studs/nuts for the compression ring

### Parts

1. 28 body-to-spool studs
2. 28 body-to-spool nuts

### Consumables

1. Anti-seize thread
2. Rags
3. Rust cleaner/inhibitor spray (No flash or similar)
4. Half-quart motor oil per valve
5. Tapping oil
6. Hydraulic oil — 65 gallons per cylinder plus extra for the HPU tank and lines.
7. "Dry Floor" type product to clean up any spilled fluids.

### Tools

1. Pneumatic impact gun
2. Socket for body-to-spool nuts
3. Tap for body-to-spool stud holes
4. Multiple five gallon buckets — to catch any excess/spilled hydraulic oil

### Storage Maintenance Process

1. Complete job safety analysis
2. Clean valve
3. Insert studs in every other hole on body-to-spool connection
4. Install compression ring and torque in star pattern, followed by chaser pass
5. Hook up HPU to cylinder
6. Lubricate gate with motor oil
7. Stroke valve to open position
8. Stroke valve to closed position
9. Remove compression ring
10. Apply fresh rust inhibitor to compression ring