



AN OVATION HOLDINGS COMPANY

## Installation Instructions:

### *JBT Lifter on Kimray Valve*

**We build and sell  
engineered solutions.**

#### **Kimray Valve with Existing Pneumatic Actuator (if no actuator, skip to step 5):**

1. Block and bleed any pressure from BOTH sides of the Kimray valve.
2. Remove any tubing or electrical connected to or installed on the pneumatic actuator or related devices like pilots and I2Ps.
3. Using a 7/16" wrench (for 2" Kimray, 3/8" for 1" Kimray), remove the two bolts from the stem coupling and set the two-piece coupling block, the two bolts and the stem travel indicator aside, THESE WILL BE RE-USED. (If you bought a bare stem valve, you may have to purchase the stem coupling, bolts, and stem travel indicator separately)
4. Using a 5/8" wrench, remove 4 bolts from bottom mounting flange of the Kimray actuator. NOTE: If the valve has been installed and in use previously, now is the best time to check the packing gland and trim condition.
5. Using the same 4 holes (WITHOUT any modification) from the pneumatic actuator, install the JBT lifter with the supplied 4 new bolts and lock washers.
6. Align the down-shaft of the JBT lifter with the valve stem using the threaded half of the stem coupling to visually assure the alignment.

2-13-24 Ben Walker, VSI



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7. Once aligned, place the other half of the stem coupling and the indicator in place and bolt together using the two bolts from before. NOTE: Rotate as needed to align the stem travel indicator with the bracket mounted indicator before tightening.
8. At this point, you can use a crescent wrench to turn the upper shaft of the lifter and ensure smooth valve travel before mounting the actuator.
9. Next, remove the top aluminum plate from the JBT lifter and install onto the ISO F07 compliant mounting on the bottom of the actuator using the supplied Allen-head bolts and 6mm Allen-head wrench.
10. Using the indicator on the top of the actuator, identify the current position of the actuator travel (i.e. Open, Closed, or in between).
11. Using a crescent wrench, manually adjust the valve to approximately the same position. NOTE: It may not line up exactly, final calibration will be done when the actuator is powered up and the calibration steps are followed.
12. Install the actuator onto the lifter, mating the two aluminum plates with the supplied bolts, using a 9/16" wrench.
13. **DONE!** At this point, refer to your manufacturer supplied calibration guide for your specific actuator.

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