



# DeZURIK SLAVE LINKAGE FOR MODULAR ACTUATOR

# DeZURIK

## Slave Linkage for Modular Actuator

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### Instructions

These instructions provide information about Slave Linkage for Modular Actuators. They are for use by personnel who are responsible for installation, operation and maintenance of Slave Linkage for Modular Actuators.

### Safety Messages

All safety messages in the instructions are flagged with an exclamation symbol and the word Caution, Warning or Danger. These messages indicate procedures that must be followed exactly to avoid equipment damage, personal injury or death. Safety label(s) on the product indicate hazards that can cause equipment damage, personal injury or death. If a safety label becomes difficult to see or read, or if a label has been removed, please contact DeZURIK for replacement label(s).



#### **WARNING!**

**Personnel involved in the installation or maintenance of valves should be constantly alert to potential emission of pipeline material and take appropriate safety precautions. Always wear suitable protection when dealing with hazardous pipeline materials. Handle valves that have been removed from service with the assumption of pipeline material within the valve.**

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### Inspection

Your Slave Linkage has been packaged to provide protection during shipment, however, it can be damaged in transport. Carefully inspect the unit for damage upon arrival and file a claim with the carrier if damage is apparent.

### Parts

Order parts from your local DeZURIK sales representative, or directly from DeZURIK. When ordering parts, please include the 7-digit part number and 4-digit revision number (example: **9999999R000**) located on the data plate attached to the valve assembly. Also include the part name, the assembly drawing number, the balloon number and the quantity stated on the assembly drawing.

### DeZURIK Service

DeZURIK service personnel are available to install, maintain and repair all DeZURIK products. DeZURIK also offers customized training programs and consultation services.

For more information, contact your local DeZURIK sales representative or visit our website at [www.dezurik.com](http://www.dezurik.com).

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### Description

The slave linkage is used to actuate two valves with one actuator. The valve on which the actuator is mounted is known as the master valve. The valve actuated by the connecting linkage is known as the slave valve. The unit is always set up so the slave valve is open when the master valve is closed.

### Lubrication

All bearings are oil impregnated. No lubrication is necessary.

### Adjusting Master Valve

1. Remove one of the cotter pins and take the pin out of the arm. This will disconnect the linkage.
2. Adjust the open and closed position of the valve according to the instructions for the actuator and valve without the slave linkage.
3. Connect the linkage.

### Adjusting Slave Valve

1. Adjust the slave valve after the master valve has been adjusted.
2. Locate the master valve in the open position. It must be at the end of the stroke.
3. Turn the linkage rod to locate the slave valve in the closed position.

### Removing Actuator from Master Valve

1. Remove one of the cotter pins and take the pin out of the arm. This will disconnect the linkage.
2. Remove the four screws fastening the bracket to the top of the valve.
3. Loosen the screw in the arm.
4. Lift the actuator and the arm off of the valve.

### Removing Lever from Slave Valve

1. Remove one of the cotter pins and take the pin out of the arm. This will disconnect the linkage.
2. Loosen the screw in the arm.
3. Slide the arm off of the valve stem.

### Mounting Actuator on Master Valve

1. Place the master valve in the open position.
2. a. If the actuator is mounted to the bracket mount the actuator and the arm to the valve. See Figure 1 for linkage arm location. Be sure the arm fits the key in the valve stem. The witness notch in the outside diameter of the bracket should be above the arm.  
b. If the actuator is not mounted to the bracket, mount the bracket and the arm to the valve. See Figure 1. Be sure the arm fits the key in the valve stem. The witness notch in the outside diameter of the bracket should be above the arm. Mount the actuator to the bracket as described in the actuator instructions for mounting to the valve.

### Mounting Lever on Master Valve

1. Be sure the master valve is in the open position.
2. Put the arm on the valve stem. See Figure 1 for location. Be sure the arm fits the key.
3. Tighten the screw in the arm.

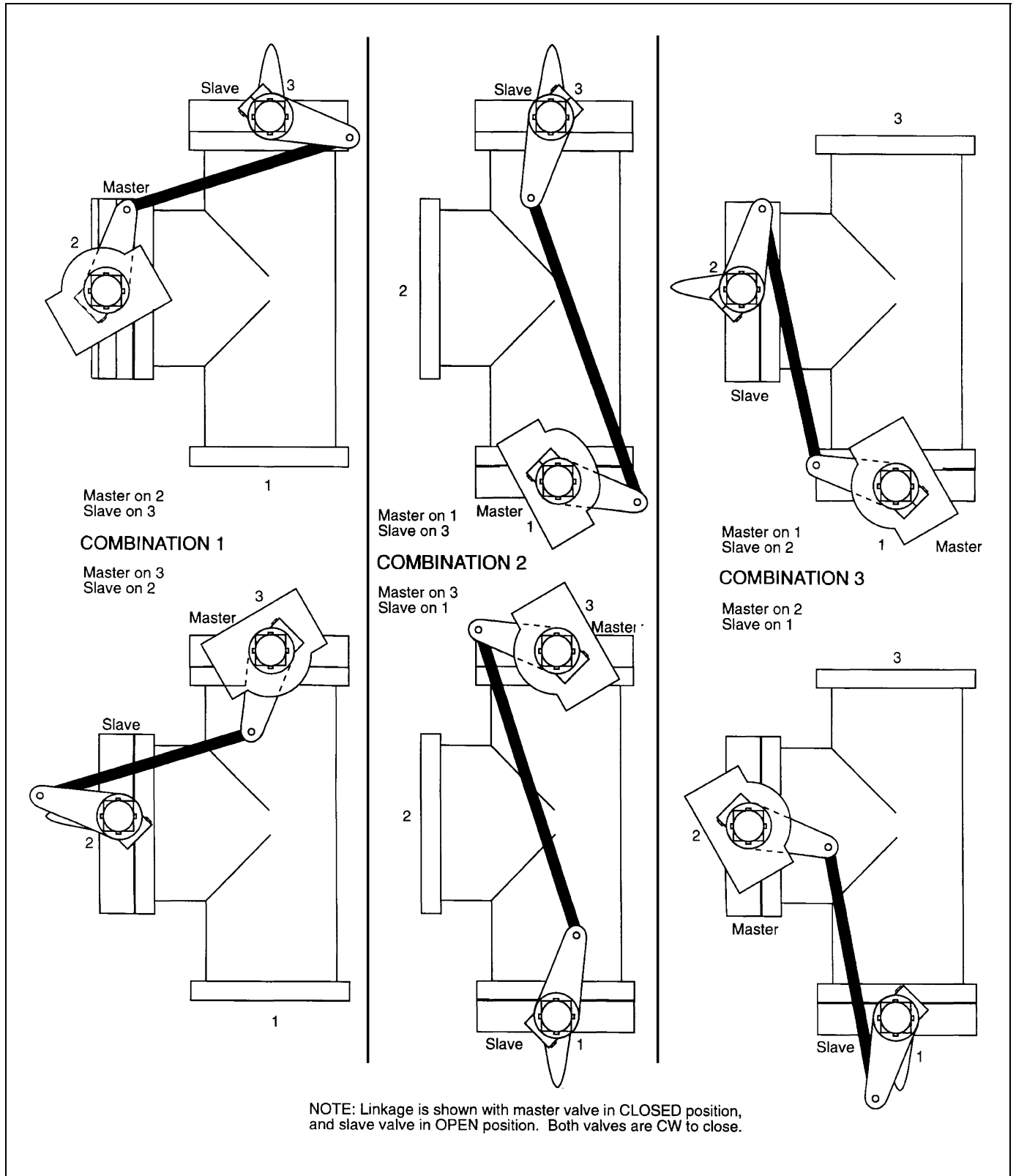


Figure 1 – Combinations of Master and Slave Linkage