

Mounting Actuators to Wedge Gate Valves

Make sure the valve is stopping the travel in the closed direction, not the actuator.

Double Acting

- Set the regulated pressure to 50% of the customer pressure.
- Retract close stops until they do not touch.
- Stroke the valve to the closed position and let the pressure build to the 50% point.
- Adjust the close stops finger tight against the bracket.
- Stroke to full open position.
- Adjust stops finger tight against bracket.
- Extend actuator and turn open stops out two turns.
- Adjust pressure regulator to customer pressure and stroke test the actuator.

Spring Return Extend

- Set regulator pressure to customer supply pressure.
- Retract open stops until they do not touch.
- Stroke valve open
- Adjust open stops finger tight.
- Retract lower stops until they do not touch.
- Vent air and allow spring to fully close valve.
- Turn open stops out two turns
- Adjust the close stops finger tight against the bracket.
- Stroke test the actuator.

Spring Return Retract

- Set regulator pressure to customer supply pressure.
- Retract close stops until they do not touch.
- Stroke the actuator to the close position and let pressure build.
- Adjust close stops finger tight.
- Retract upper stops until they do not touch.
- Vent actuator allowing it to stroke full open.
- Adjust open stops finger tight.
- Stroke actuator closed and extend the upper stops two turns.
- Stroke test actuator.