

Operation of Pig Valve with Electric or Pneumatic Actuation

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1.0 PURPOSE

To define the steps of operating a Pig Valve with electric or pneumatic actuation.

2.0 OVERVIEW

Warning: Failure to follow these instructions may result in serious injury or fatality.

Note: Flow directions shown are left-to-right. Ball rotation will be reversed for right-to-left.

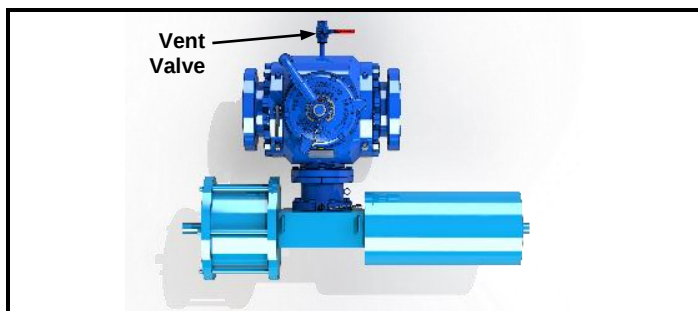


Figure 1: Pneumatic Actuation

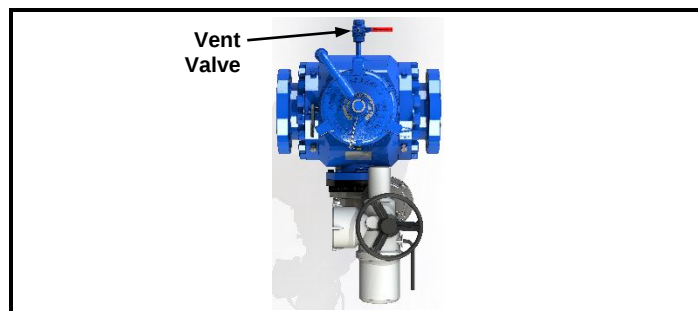


Figure 2: Electric Actuation

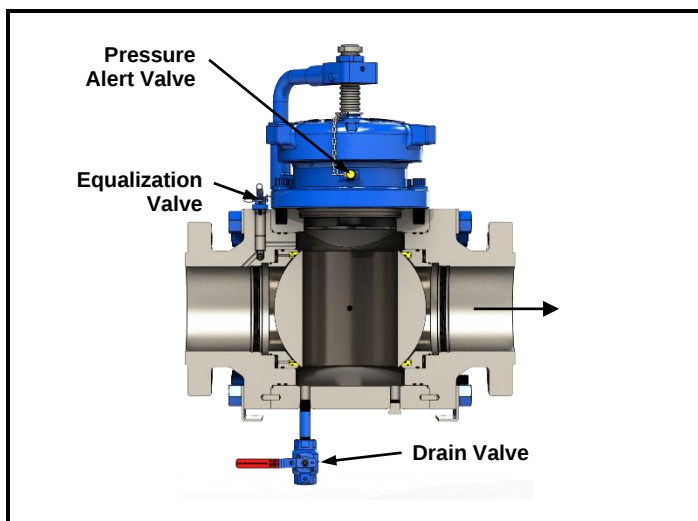


Figure 3: Steps 1-6

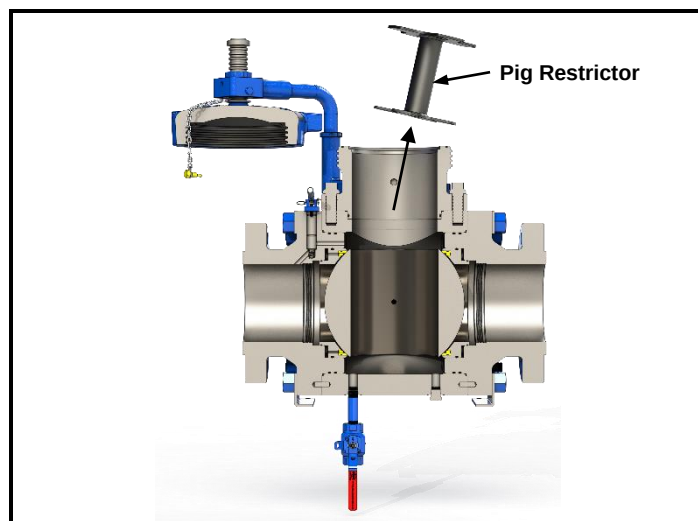


Figure 4: Step 7

- Close Pig Valve
Remote*: Signal to actuator
Local: Move switch to "closed"
- Pneumatic actuation:
Install safety pin through actuator adapter
Electric actuation:
Lock operation switch in "stop" or "off" position
- Ensure equalization valve is in closed position and lockout pin is in place
- Open vent valve to relieve pressure
- Open drain valve to drain any fluids trapped within Pig Valve body
- Loosen pressure alert valve to verify pressure has been relieved
- Open entry cap and remove pig restrictor (Model D Pig Valve only)

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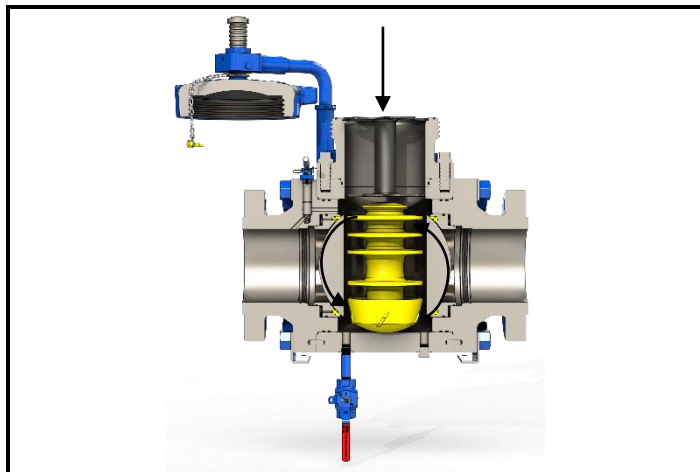


Figure 5: Step 8

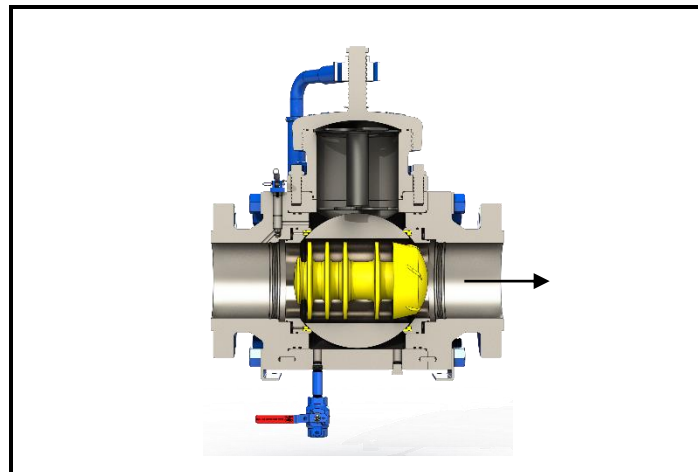


Figure 6: Steps 9-14

8. Install pig nose down and replace pig restrictor as indicated
9. Close entry cap and reinstall pressure alert valve
10. Close vent and drain valves
11. Pneumatic actuation:
Remove safety pin from actuator adapter
Electric actuation:
Unlock operation switch and turn control knob to "Local" or "Remote" as required.
12. Hold open integral equalization valve to equalize pressure in Pig Valve body
13. Check that entry cap, pressure alert, vent and drain valves are not leaking
14. Open Pig Valve, launching pig
Remote*: Loss of signal
Local: Move switch to open

* Indicates default control setting