

# Incoming Performance Inspection Control Valves

## Don't Bolt In a Problem

*"Building or repairing control valves without performance testing is like building racecars but not starting them until race day!"*

### Consider the following:

- ❖ Air-operated control valves are highly engineered and deceptively complex devices.
- ❖ It is simply not possible to determine whether a control valve will function properly by its external appearance.
- ❖ Performance testing is required to determine if a valve will function properly in line.
- ❖ Most valve end-users accept new, repaired and remanufactured control valves without an incoming performance inspection.
- ❖ Deficient control valves lengthen outages, significantly increase expenses and have a costly impact on production and quality.
- ❖ Process variability is reduced by better functioning control valves.
- ❖ Lower Process Variability = Improved Quality
- ❖ Lower Process Variability = Lower Costs
- ❖ Costly control valve related problems can be prevented with an effective incoming control valve performance inspection program.
- ❖ Valves equipped with digital and "Smart" positioners are not immune from setup and performance problems. These complex valves must be independently tested to ensure proper setup and tuning.



## Saga of the Bad Control Valve

*Consider what happens when you accept a deficient control valve. . .*



Accepted on plant/mill loading dock and placed into inventory without performance testing.

### Steps to Use Control Valve in a Planned or Unplanned Outage

- Obtain Work and Safety Permits
- Schedule Unit Downtime or Valve Bypass
- Provide Access (crane, scaffolding, etc)
- Transportation to Site
- Physical Installation
- Valve Setup
- Loop Startup and Tuning
- Trouble-shooting
- Make Decision to Remove or Live With Quality/Production Impact
- Provide Access
- Uninstall
- Return to Loading Dock
- **WAIT** for Vendor to Blindly Repair, Again
- **REPEAT** above steps when valve returned
- Determine Impact on Production
- Calculate the **\$\$\$ LOSS – Pay the Bill**

*"Accepting control valves without incoming performance testing is risky and expensive."*

*"There is a better way."*

## Solution

### Never Accept a Deficient Control Valve



*Implement an effective incoming control valve performance testing program to keep bad control valves from delaying your outages, damaging productivity and costing you money.*

**Option A:** Use valve service vendors that provide certified performance testing and deliver clear, understandable testing reports with each valve for your acceptance. You can audit this program with limited performance testing at your plant/mill.

**Option B:** Implement your own performance acceptance testing program to effectively manage your control valve vendors.

**Option C:** Use an independent third-party inspection / valve management company to perform this incoming inspection service.

*Give us a call today to discuss an incoming control valve inspection program for your facility.*

*We can offer you a practical and economic way forward.*

*Your maintenance budget will thank you.*

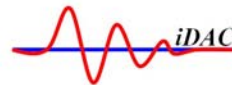
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