



Cadence
TECHNOLOGIES



Valve Rebuild Service

The Cadence Technologies valve rebuild service provides the end user insight into the condition of your process system that handles your product. It provides peace of mind knowing that upon completion of your service all issues will be identified and addressed before returning the system back to its original working order. All with minimal downtime to your production.

All of the inspection, cleaning and rebuilding of the valves will be done by technicians that have been trained and certified by the manufacturer to work on your valves. This ensures that our team stays in line with manufacturer's recommendations and functional characteristics of their valves. The valve service covers most manufacturers of sanitary manual, single seat and mixproof valves. The service covers both the product and actuator side of the valve.



Reasons for Service

- Preventative maintenance service due
- Valves starting to leak
- Starting to see cross contamination of product and ingredients
- Unexplained loss of product or ingredients
- QA concerns over rising microbial counts
- Valve alarms from control system are increasing in frequency
- Signs of actuator degradation

Key Services

- Replace all elastomers, seats, & bearings (Wet-End Service)
- Replacement of all stems and balancers*
- Full service of actuators*
- Replacement of failed pneumatic connectors*
- Replacement of failed electrical connectors*
- Replacement of quick exhaust fittings*
- Replacement of position switches*
- Replacement of solenoid valves*
- Replacement of pneumatic poly tube*
- Replacement of schedule 5 valve clamps*
- Replacement of sanitary tri-clamps*

* If needed

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Valve Rebuild Service

Throughout the entire rebuild process, we mobilize our expert team of technicians, specialists, and a project manager who acts as the leader and single point of contact to coordinate with your team. We provide everything needed to fully execute the four phases of the project: Audit, Quote, Execution, and After-Project Findings Report.

Audit

During the Audit process, we consult with the customer to understand ongoing maintenance issues/concerns, startup/testing requirements and availability, QA concerns/needs, and more. Our experts collect valve information (i.e. types, quantities, model numbers, serial numbers) and temporarily mark valves and associated bodies with uniquely numbered removable labels to clearly identify the valves and define the project scope. We also determine the size of the team required to cover the rebuild scope by understanding available production downtime for execution.

Quote

Based on information gathered during the Audit phase, we create a customized proposal with a clearly defined project scope and expectations. Included is a consultation summary with production, maintenance, and QA in preparation for the rebuild execution. We also include production downtime requirements and a startup execution plan to ensure clean handoff as well as a detailed schedule of planned activities to ensure on-time completion and timely startup.

Execution

Before the rebuild begins, we set up a work area for disassembly, data collection for the findings report, and provide an area for QA oversight and evaluation if needed. Then, a senior-level certified repair technician cleans and sanitizes the valves using a three-part process: pre-soak, steam clean, and water rinse. The technician then reinstalls the valves with associated valve bodies, ensuring the clearances and offsets are within specifications for proper valve operation. Cycling the test valves ensures proper installation and actuation identifies any stroke restrictions. The technician then verifies limit switch settings, checks for air leaks and electrical connectivity to the automated control system, verifies functionality through the control system, and oversees CIP execution to ensure complete functionality and to address any issues. Finally, our team oversees the startup of production to ensure a clean transition back to the production team.

After-Project Findings Report

After the successful completion of the project, our team compiles a comprehensive report including pictures of any valves with damage or contamination. We also suggest corrective actions to address concerns and any additional follow-up action items.

Supported Manufacturers

Our team members are experts on the following manufacturers:

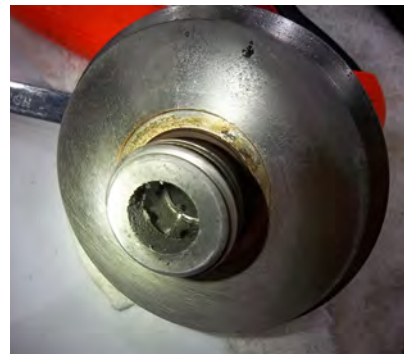


>Waukesha Cherry-Burrell

We also support the following manufacturers:



Before



After

