

FROM VALVE FAILURES TO PREDICTABLE PERFORMANCE, THANKS TO SMARTER VALVE DIAGNOSTICS

In the high-stakes world of medical-grade IV bag manufacturing, precision and reliability aren't just goals; they're mandated. For one global producer, the sterilization process using steam, water, and air was critical to meeting FDA standards. When valve components failed mid-process, the consequences were costly: product quality became uncertain; batches were scrapped and production ground to a halt.

With an average of **three failures per year**, the total annual impact from scrap products and unplanned downtime averaged **\$65,000**.

TURNING UNCERTAINTY INTO PREDICTABILITY

R.E. Mason worked with the customer to implement **Valvelink software** and **Advanced Diagnostic Fisher DVC positioners**. This transformed reactive maintenance into a proactive strategy. Process control engineers utilized DVC technology to determine baseline valve profiling. They could then overlay diagnostic plots at regular intervals to detect wear before it became catastrophic.

This predictive maintenance approach gave the team visibility into valve health, allowing them to anticipate failures and plan repairs without disrupting production. The result? Reduced unplanned downtime, consistent product quality, and a more reliable sterilization cycle.

\$65,000 SAVED ANNUALLY AND A LOT LESS STRESS

With Valvelink and advanced diagnostics embedded in their preventative maintenance program, the customer is on track to save **\$65,000 per year** in scrap and downtime. More importantly, they've gained peace of mind knowing their sterilization process is backed by data-driven insights and dependable valve performance.



READY TO STOP GUESSING AND START PREDICTING?
Check out the new DVC7K and turn your maintenance strategy into a competitive advantage.

