

VALVE SERVICES

Diagnostics May Be Your Smartest Investment This Outage Season

Why take any chances with your plant? If you could get an objective, data-driven view of the health of your most critical assets, you could likely make smarter decisions—while reducing the risk of unplanned downtime. Now is the time to consider taking your plant to the next level with diagnostics, and Experitec as your partner.

Diagnostics as a Game Changer

Using quantifiable data, you can get insights into the performance of your valves and prioritize which need repairs or replacement—and when. This enables you to better allocate resources, extend the life expectancy of your valves, increase the overall reliability of your plant, reduce emissions, and support long-term cost savings. All of these benefits result in an ROI you can get behind.



Fisher™ Vee-Ball® Rotary Control Valve
with FIELDVUE™ DVC6200

Taking the Plunge

A strategic investment in valve diagnostics can pay dividends versus subjective decision-making on the spot. Plants that cut back on reliability programs to save on short-term costs, ultimately lose money in unplanned repairs, unnecessary replacements, and dreaded downtime.

“Customers that embrace diagnostics see less failures at startup, get a more reliable snapshot of what their critical assets look like from a health standpoint, and benefit from a long-term reduction in maintenance costs—all for pennies on the dollar.”



Chuck Burns

Solution Development Manager,
Mechanical Services, Experitec

Interpreting Results

Analyzing data can be difficult; making the wrong decision can be much harder. That's where Experittec comes in. Our experienced technicians can effectively analyze the performance of your valves and provide expert recommendations. Diagnostic results are provided in a comprehensive, easy-to-read report with Green/Yellow/Red indicators.

1. SUMMARY OF VALVE PERFORMANCE				
Tag	Description	As Found	As Left	Comments
Brand X Condensate	1"GX/225/DVC	Green	Green	No issues at this time.
Brand X Steam	2"GX/150/DVC	Yellow	Yellow	The actuator appears to be leaking air; recommendations to rebuild valve.
Cook Steam 12	3"EX/667-45/DVC	Red	Red	Drive signal is critically low; recommendation is to replace the IPI or PLC with new. Valve is not striking all the way open and it's not saturating. Air pressure needs to be adjusted to 75psi.
Cook Steam 22	3"ET/667-45/DVC	Yellow	Yellow	
Brand X Steam	1.5E2/667-34/DVC	Green	Green	No issues at this time.
Brand X Condensate	1"GX/225/DVC	Green	Green	Overall scan looks good, supply pressure could be increased by 3-4 psi but it does not appear to be a problem at this time.
PC Condensate	1"GX/225/DVC	Yellow	Yellow	Packing friction is lower than expected but does not appear to be leaking. Recommendation is to rebuild the valve with soft seats and new packing.
PC Main Steam	4"ED/667-45/DVC	Red	Red	High friction coming out of the seat and going back closed. There is wear in the plug and seat. The valve is in jeopardy of leaking unexpectedly. Recommend valve body rebuild ASAP.

click or scan to view sample report



Here's What You Can Expect

80%
↓
REDUCTION IN ANNUAL MAINTENANCE

A Midwest paper plant had an 80% reduction in their annual valve maintenance costs with the adoption of predictive diagnostics by enabling them to address specific devices—only when they really need to be worked on.

+2-3 YEARS
EXTENDED VALVE LIFE

A major beverage manufacturer experienced a lifespan increase in their critical valves by 2-3 years—saving costs and maintaining uptime, based on diagnostics reports and expert recommendations from Experittec.

\$40K
↑
ANNUAL SAVINGS

A power utility saw a 10% reduction in routine maintenance costs and saved \$40,000 annually by troubleshooting and calibrating valves faster, using our predictive diagnostics.

SHUTDOWN PREVENTED

A herbicide plant prevented a shutdown and saved \$100,000/hour by addressing a valve packing leak discovered through predictive diagnostics.

Take Your Plant to the Next Level With Experittec

Experittec has served the industry for over 100 years, partnering with our customers to gain competitive advantages and unlock the hidden potential in their facilities. By optimizing operator and control performance, improving asset reliability, creating safer places to work, and helping clients reach their environmental and sustainability goals, Experittec is dedicated to achieving positive outcomes for the businesses we serve. Our unique long-term partnerships with Emerson and others enable us to connect customers with innovative technologies, subject matter expertise, and 24/7 lifecycle support and engineering services. As employee owners, the Experittec team is eager to partner with you on your next automation or reliability project in a positive, driven, and collaborative way. We have local offices in St. Louis, MO; Kansas City, MO; Memphis, TN; Calvert City, KY; and Decatur, IL; as well as warehouse and service locations in the surrounding areas.