Maximizing valve performance from day one.

Control Valve Startup and Commissioning Services

Verify valves are installed, configured, and tested correctly to support reliable plant startup and long-term operational performance.

EMERSON

Few phases carry more financial risk than Startup and Commissioning. A misstep can lead to schedule overruns, missed milestones, and significant lost revenue.

As plants transition into live operation, Startup and Commissioning expose equipment to unusual conditions and elevated risk. Improper installation, incomplete flushing, or a lack of specialized expertise can quickly lead to equipment damage, unplanned downtime, and costly schedule delays.

A disciplined, structured approach protects assets, minimizes risk, and enables teams to hit milestones and budget targets.

"The project costs keep escalating, and I don't understand where the extra charges are coming from."

"I need confidence that valves are installed, configured, and ready before commissioning begins."

"We are identifying valve issues too late in the process, creating rework and startup delays."

Partner with a proven expert to bring your plant online safely, on schedule, and built for long-term reliability.

Working with Emerson means partnering with a single, trusted source for valves and instrumentation from early project definition through startup and commissioning. Our teams support valve sizing, specification, and configuration at the outset, then integrate with EPCs (Engineering, Procurement, and Construction) and owner-operators to maintain continuity through installation, verification, and commissioning, and the entire lifecycle of your plant.

From documentation and configuration validation to equipment testing and field support, our experts provide the structure your startup process needs: clear roles, disciplined procedures, and real-time visibility. Emerson helps confirm you have the right steps, the right team, and the right information at every stage so you protect reliability, control costs, and maintain schedule confidence.

Structured startup processes and clear communication help teams bring facilities online safely, efficiently, and with fewer surprises.

Align stakeholders through improved communication.

As projects transition through all phases of commissioning and startup, teams often struggle to stay coordinated. Increased structured communications create shared clarity on priorities, handovers, and responsibilities, reducing confusion, rework, and costly delays.

Define your scope and eliminate uncertainty before startup begins.

Early alignment and structured planning eliminate surprises and keep commissioning smooth and efficient. With clear expectations, OEM expertise, and proven processes, you gain confidence in documentation, handovers, and preparedness for startup.

A Better Way ▶

Protect valves during the highest-risk phase of operation.

Flushing (Flow Thru) and Hydro (Flow Stop) operations introduce significant risk to valves and other critical assets. Proper inspection, verification, and documentation enables protection of your equipment before startup, and reduce the likelihood of early failures.

Transition to long-term reliability.

Startup sets the foundation for years of safe, reliable operation. With expert commissioning, validated documentation, and a clear equipment history, you enter operation with confidence, and a strong baseline for maintenance strategies and lifecycle planning.

Detailed Services ▶

Align stakeholders before startup risk peaks.

Equipment is often engineered in one location, procured in another, and installed in a third. Structured meetings are working sessions led by Emerson to align all parties on valve scope and startup support before commissioning begins. These meetings bring together EPC and end-user stakeholders with Emerson project, service, and local support teams to review valve configurations, confirm responsibilities, and establish clear points of contact. The result is fewer delays, clearer accountability, and a more controlled transition into startup.

Structured meeting overview

Structured meetings typically occur.

- After procurement and major shipments are underway
- At the transition point from project execution to onsite startup support

The right people, connected.

All key contacts are identified:

- EPC and end-user representatives
- Project management
- Lifecycle Services teams
- Local support: EPC, End User Sales

All participates discuss strategies to support transparency and direct communication. Everyone leaves knowing who to call, for what, and when.

The group confirms.

- Startup strategy
- Service center capabilities and local proximity
- Priorities and at-risk items

This enables commissioning to begin with shared expectations and defined ownership.

Clear next steps.

The meeting concludes with:

- Confirmed escalation paths
- Clear priorities and owners

Everyone leaves aligned on how the project will be supported during commissioning.

Bringing the right teams together before commissioning helps resolve issues early and maintain project momentum.

Eliminate uncertainty.

Uncertainty in valve scope often persist as projects approach commissioning. Tag lists, configurations, and installation status may not fully align, leaving gaps in what is ready and what still requires attention.

With Emerson's best-in-class valves, certified local service technicians, and lifecycle planning expertise, Startup Scope Review verifies equipment is installed correctly, configured properly, and verified to match its original as-shipped condition before commissioning begins. This structured validation protects equipment integrity, reduces the risk of damage, and minimizes last-minute delays caused by missing parts or configuration gaps.

Startup scope review

Startup Scope Validation. Confirm valve tag lists, configurations, and quantities against engineering documents and installation status to eliminate ambiguity before mechanical completion.

Installation & Configuration. OEM specialists verify installation, configuration, and accessory setup before commissioning to catch issues early, when they are faster and less expensive to fix.

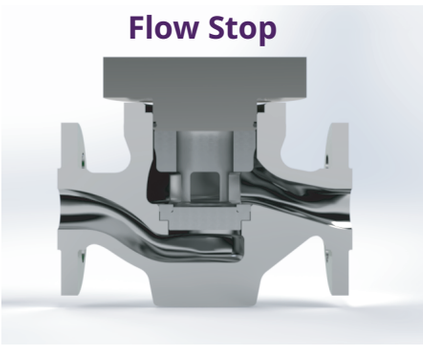
To learn more about Lifecycle Services for Valves, Actuators, and Regulators, visit **Emerson.com/ValveService**

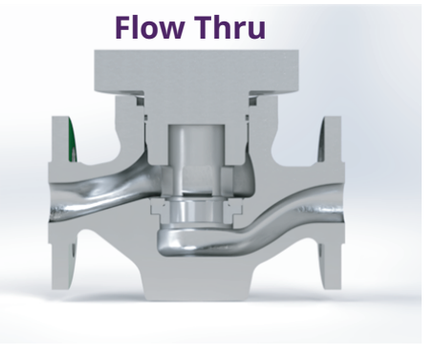
Protect valves during the most critical phase of operation

Startup exposes control valves to debris, unstable flow, and frequent cycling before conditions stabilize Damage introduced during this period can lead to leakage, poor control, and performance issues that surface after commissioning.

Debris (weld slag, rust, scale) embedding into sealing and cage holes results in inability to achieve shutoff or designed flow characteristics.

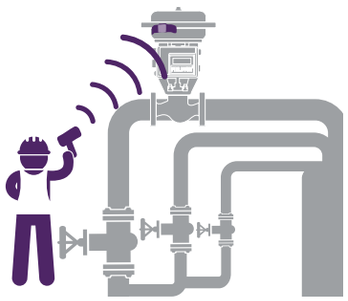
Weld slag or debris trapped between plug and cage leads to valve performance issues, sticking partially open or closed due to galling issues.





Flow Stop and Flow Thru trim kits are temporarily installed during startup to protect the valve's operational trim. They shield internal components from debris and damage during startup-related activities, after which the permanent trim is reinstalled for plant operation. Once startup is complete, the final operating trim is installed so the valve enters steady-state service in optimal condition.

Lifecycle support for control valves



Lifecycle Performance Validation

Confirm steady-state valve performance and document final configuration to support traceability and protect long-term reliability.

Comprehensive Service Support

Certified technicians support not only Emerson valves, but also non-Emerson equipment within your system—providing a single point of contact for ongoing service needs.

Proactive Spare & Maintenance Planning

Define critical spares, long-lead items, and preventive service strategies aligned to plant maintenance objectives and equipment criticality.

Transition to long-term reliability.

The conditions a valve experiences during startup influence how it performs in operation, but long-term reliability depends on what is carried forward after commissioning. Clear documentation, validated configurations, and defined support enables teams to know exactly what is installed, how it is configured, and who to engage when issues arise.

By combining OEM expertise with ongoing service support, Emerson helps establish a clear baseline for maintenance and performance. With accurate valve data, defined points of contact, and continuity from startup into operation, teams can respond faster to issues, plan maintenance with confidence, and avoid the uncertainty that often follows project handover.

Built for reliable operations

Faster Response to Operational Issues

Because relationships and escalation paths are established during startup, post-go-live issues are resolved faster. Teams know who to call and how to access technical support.

Data & Installed Base Continuity

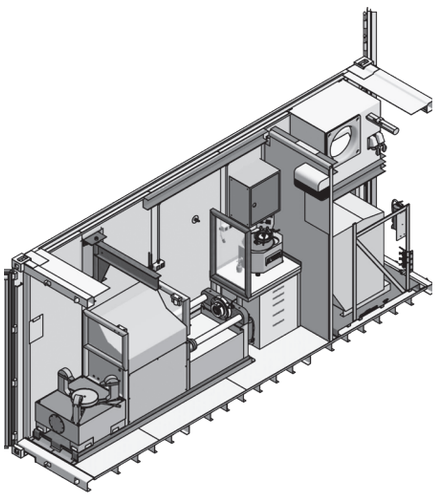
Validated scope and documented configuration during startup create a reliable baseline for future maintenance planning, parts strategy, and performance reviews.

Lifecycle Planning

Startup is the moment to define inspection intervals, spare part strategies, and service engagement models that support predictable operation over time.

To learn more about Lifecycle Services for Valves, Actuators, and Regulators, visit **Emerson.com/ValveService**

Be equipped for items that escape your work list

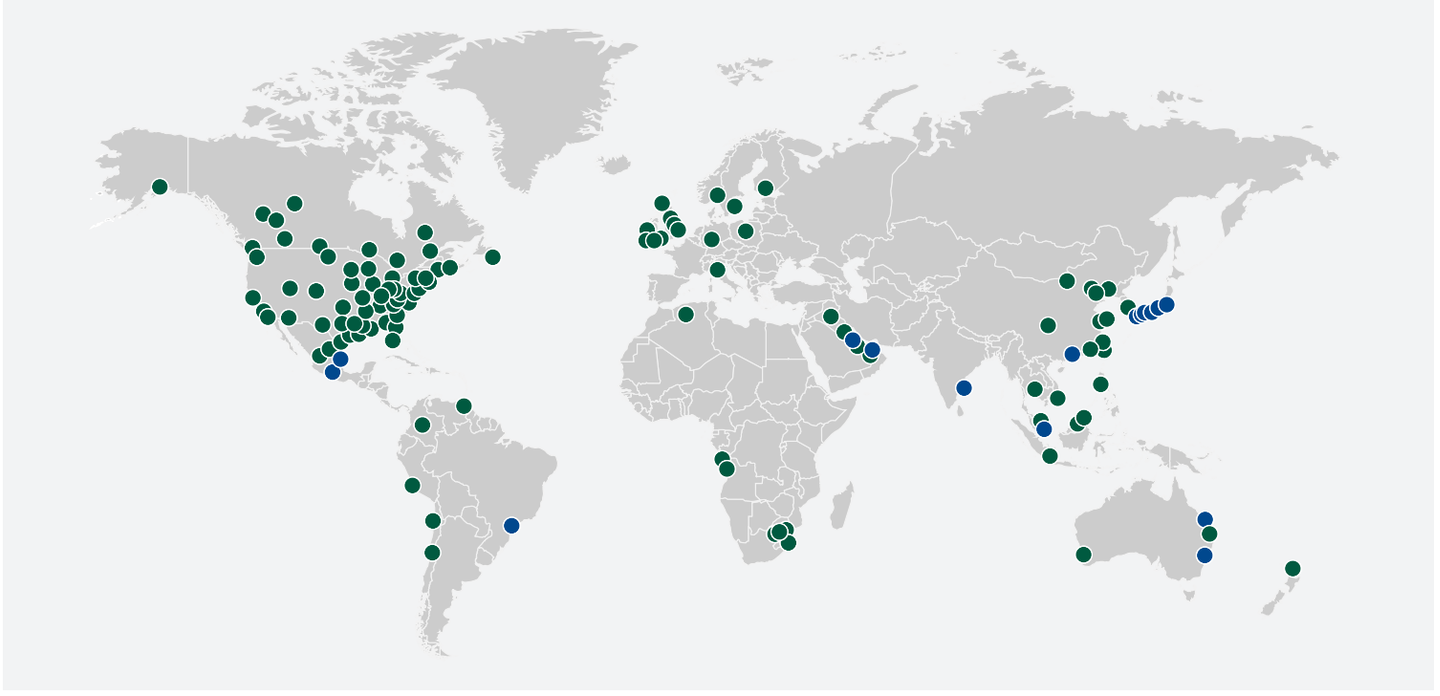


Mobile Service Center. We can support remote locations or large maintenance projects with a mobile, onsite service center. Mobile capabilities include product testing, equipment machining, tooling, and parts and assembly inventory.
▶Watch Video

QuickShip Program. Get the critical parts and spares you need, when you need them, so you can minimize costly down time. Genuine parts and products are kept stocked for urgent delivery with 24/7, online ordering, enabling you to select your parts with prices and lead-times of less than three days for most items. ▶Learn More

On-Demand Certified Technicians. When you need immediate solutions, conveniently-located service centers give you access to Emerson certified, factory-trained technicians to help you find the answers to your toughest issues as soon as they arise. Also, with our Remote Assistance support, augmented reality technology allows our service technicians to efficiently and effectively collaborate with expert valve support in real-time.

Secure maintenance reliability with expert skill



Skilled Resource Network Access. Our network of support spans the globe with over 160 service centers and more than 80 mobile service centers to ensure we can be close to you when you need us most. Our 2500+ OEM-certified technicians can can help you with commissioning, calibration, repair, troubleshooting, and monitoring on all your valves, actuators, regulators, and related equipment. Plus, we can keep you on schedule with diagnostics, machining, and repair capabilities the instant your needs arise.

Lifecycle services you can rely on.

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