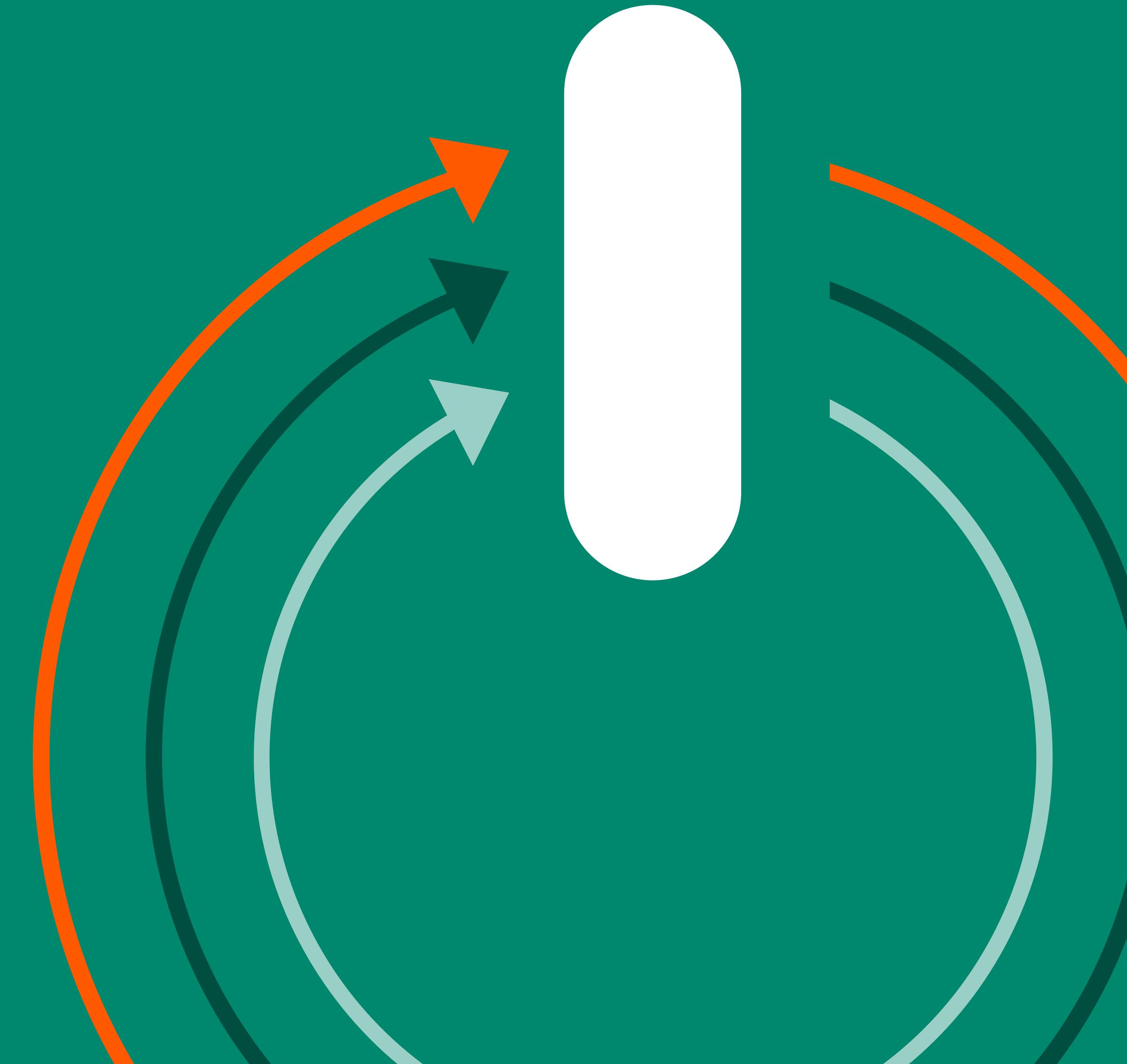


Spare part strategies for continuous performance



What's in a part?

An O-ring is an O-ring is an O-ring. Or is it?

Take two O-rings and place them side by side. They may look the same, but appearances can be deceiving. One may be spliced, the other molded. The elastomers may be of different hardness. The flashing may have been ground off using different techniques. All impact an O-ring's quality, performance, and susceptibility to failure.

These and considerations like them are built into every one of our over 20 000 quality parts. And that's only the beginning.



Quality



Performance



Compliance



Proactivity



Quality parts from Cytiva: a complete solution

At Cytiva, we provide not just spare parts, but a spare parts platform to optimize your biomanufacturing operations. Besides rigorous vendor selection and exacting product specifications, it encompasses qualified manufacturing, material certificates, traceability, change control notification, and a data-driven approach to determining what spare parts you should hold onsite to optimize uptime and manage your equipment lifecycle.

Quality, compliance, performance, and ready access are built into every one of our spare parts.



Built-in compliance

Regulatory requirements | Traceability

Our spare parts used in a GxP environment come with material certificates. Both materials and manufacturing are qualified and documented with full traceability.

Wetted parts are manufactured in compliance with current regulatory industry standards, including USP <88> Class VI and 21 CFR Part 177, and are either free from animal-derived ingredients or in compliance with EMEA/410/01, part 6.4 (Tallow Derivatives). You can be confident that all parts have been manufactured in fulfillment of applicable legal directives and regulations for environmental and equipment security.

To ensure compliance, our change control notification service provides a statement for any change in materials or manufacturing, whether originating with a supplier or as a result of our policy of continuous improvement. This service is web-based and free.



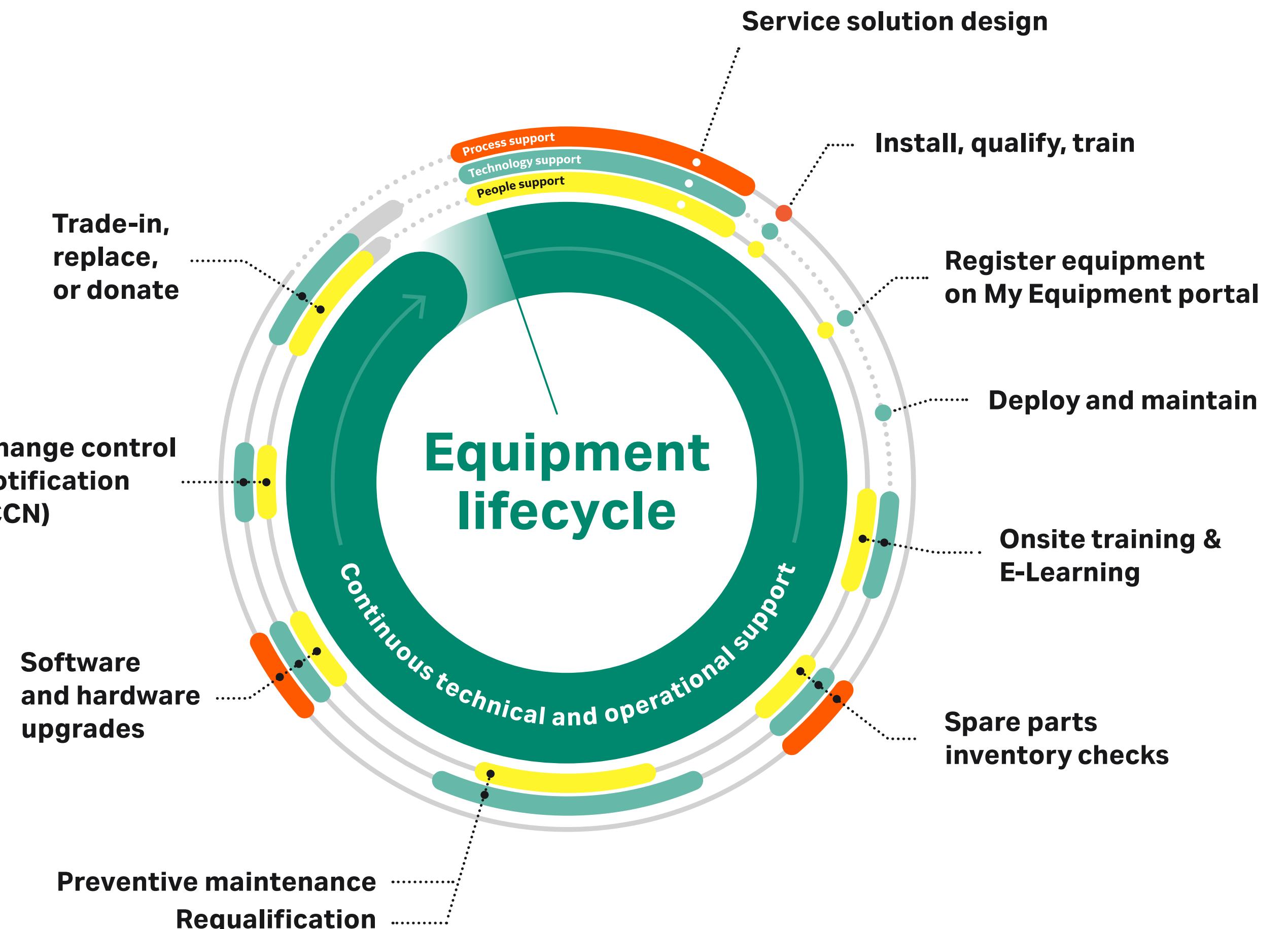
Built-in performance

Optimal results | Equipment lifecycle

Whether a tiny O-ring, a mass flow controller, or a large-scale column bed support, our parts may be replaceable but they're indispensable. Your system depends on them for optimal results.

Our parts are specifically designed for your Cytiva system to ensure continuous reliability, compliance, and the performance you need for production of your biologics. They not only extend the lifecycle of your equipment but also minimize potential damage, loss of product batches, and significant delays.

Quality parts from Cytiva are the right parts for your system.



Built-in proactivity

Right part | Right place | Right time

No matter what your service solution, whether in-house or through a Cytiva service plan, one thing is constant: you need ready access to spare parts.

Keeping critical spares on site is the only sure way to minimize the costly downtime that could result from part failure. True, we hold many parts in stock, but shipping takes time, and the part you need may be temporarily unavailable. In particular, custom parts can take weeks, sometimes months, to manufacture.

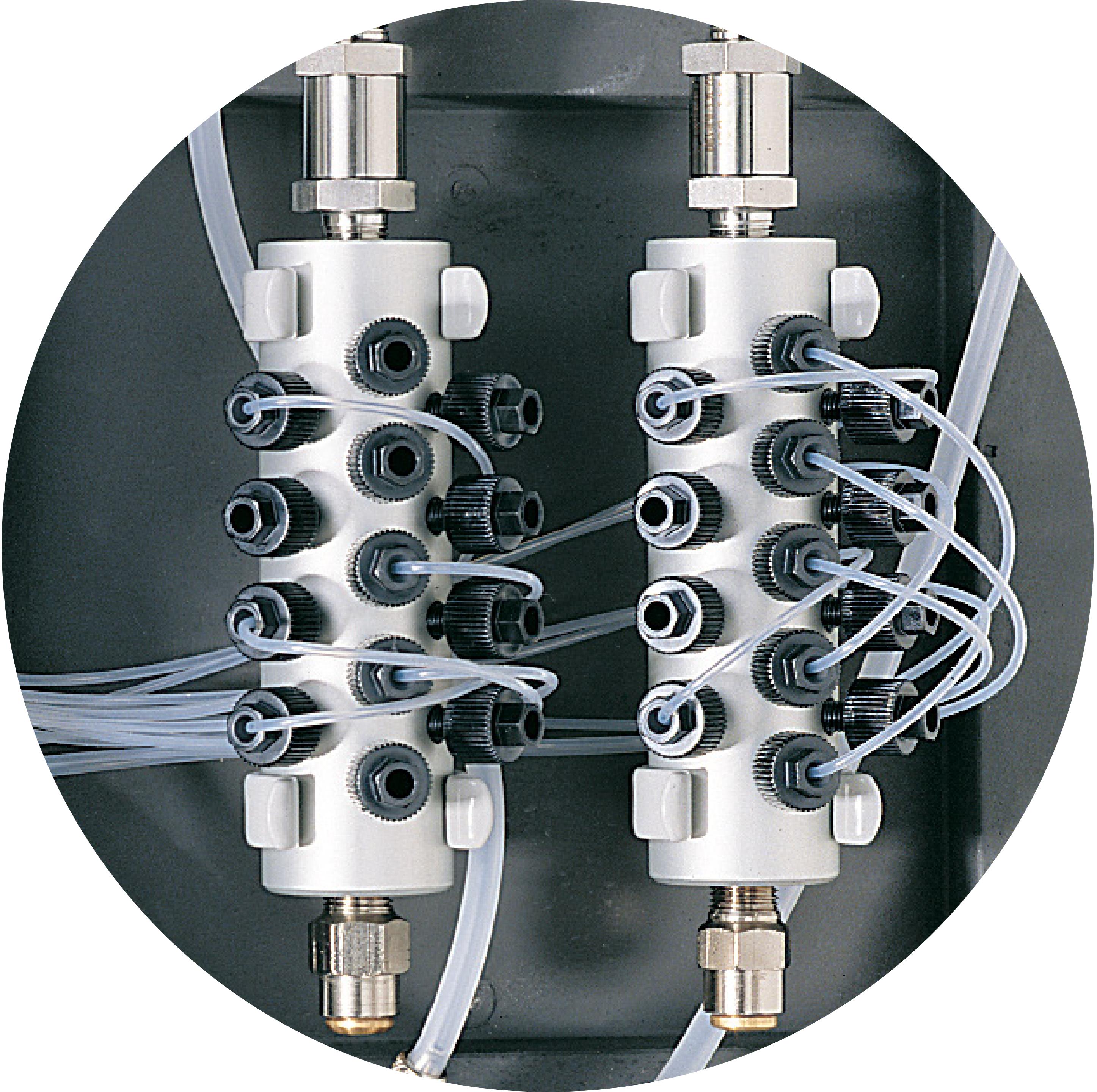
Our goal isn't just to sell you parts. It's to provide a complete solution that ensures you always have the right part in the right place at the right time.



Parts advisory

Our parts advisory service provides ongoing support. We'll analyze your complete portfolio of installed equipment and determine what parts you need to hold on site to optimize your workflow and minimize downtime. Parts are provided for the following equipment:

- **WAVE™ bioreactor instruments**
- **Xcellerex™ systems**
- **ÄKTA pilot™ 600, ÄKTA ready™ or ÄKTA process™ CFG chromatography systems**
- **ÄKTA flux™ tangential flow filtration systems**
- **AxiChrom™ 300–1600 mm chromatography columns**
- **AxiChrom™ 50–200 mm chromatography columns**
- **UniFlux™ tangential flow filtration systems**



Case study: parts advisory

In the following case study of a large biomanufacturing client, our spare parts advisory service has boosted continuous performance and prevented unprecedented losses in a 24/7 manufacturing environment.

A large biotech company produces a drug that helps millions of people manage pain from chronic autoimmune diseases. Its team manages a well-honed workflow and a mature process that delivers products efficiently on tight deadlines.

The company's complex needs translate to custom systems and high-precision machines that cost millions to manufacture. In the case of a component break—or failure due to constant use over time—the equipment requires specialized maintenance and customized parts.

Negligence in anticipating these component needs could have a catastrophic effect. Unexpected downtime would bring the revenue stream to a halt, causing significant loss for the company and for the patients who depend on its medicine for daily use.

To optimize its workflow, ensuring that the company could deliver its products without risk of failure, this biomanufacturer required a strategic forecast of its spare parts needs, as well as a parts replacement schedule.

Ensuring continuous outcomes with our spare parts advisory

Our spare parts advisory consultant collaborated with the customer to understand the exact use of the application. A comprehensive assessment of the company's spare parts needs was developed by analyzing its business goals, existing process, frequency of equipment use, type of wear, and regularity of component replacement.

The customer was empowered with accurate recommendations for spare parts investments and comprehensive training for the technicians who maintain the equipment. Advice has been provided regularly over a number of years, helping to maximize uptime with their Cytiva equipment.

At Cytiva, we bring the same level of expertise to each component that we bring to the equipment at large. By maintaining the highest standards from production through parts replacement, we empower customers to change the world with their research.

Outcomes

Investing in the right spare parts ahead of time prevents the need for expensive emergency service calls, eliminates the immense cost of missed work, decreases the risk of unexpected downtime and strengthens financial, scientific, and operational outcomes.



With our spare parts advisory, this conglomerate potentially mitigated hundreds of millions of dollars of revenue loss.



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