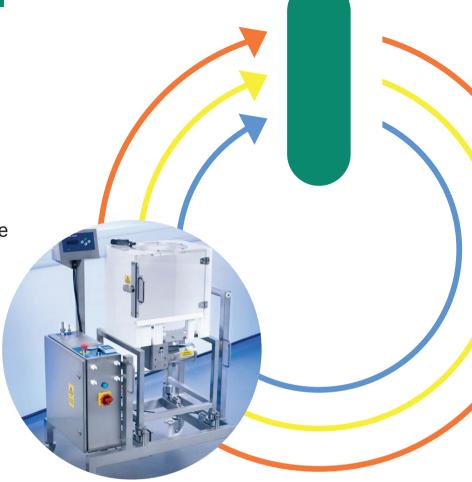
# OptiRun™ Service solutions

Ensure optimal performance of your Allegro™ single-use mixer system with a preventive maintenance



We understand the criticality and importance of your bioproduction processes, which is why we built a world-class service team to maintain your complex equipment and keep it in prime condition to help you optimize your workflow productivity, protect your investment, and support you to stay compliant.

Regular preventive maintenance (PM) is critical to optimal outcomes and reduces the likelihood of unexpected breakdowns thus minimizing downtime, while maintaining schedule and product quality. Additionally, it minimizes unexpected costly failures, and ultimately prolongs your equipment's lifecycle.

Our service engineers are trained, certified, and experienced with deep knowledge and understanding to take complete care of your Allegro<sup>TM</sup> single-use mixer system.



**Extended lifecycle** 



Service traceability



**Maximized productivity** 

# Cytiva PM supports your bioproduction needs.

Main components of PM	Outcomes you can expect from PM
Functional testing, inspections, and verification	Ensure reliable accuracy of testing data and system functionality
Wear-and-tear change	Minimize unexpected failure risk; extend the life of your equipment
As-found/as-left testing	Ensure evidence equipment runs according to specifications after completed PM
Documentation	Enable traceability with signed preventive maintenance service report upon completion of PM



# **Comprehensive testing and inspections**

During preventive maintenance, our qualified engineers run necessary tests and verifications to keep your equipment to factory specifications and replace any necessary components using quality parts from Cytiva. These tests were designed and optimized throughout the development of the equipment and reflect functional tests performed during assembly, as well as quality tests performed prior to delivery to your site.

#### Comprehensive set of tests and inspections

System inspection	Check for damage on exterior and interior (control cabinet of the system).
Functionality verification	Inflation box functional verification to prevent accidental over-inflation and potential damage to the biocontainer.
	RPM test of impeller and general motor functionalities, variable speed drive (VSD) keypad, and safety features checks.
Load cell configuration and verification	Verify that the load cells and indicator are correctly set up and are accurately reading all loads that would be added to the tank, which is available only upon request.

#### **Quality parts replaced during PM**

Parts replaced	Spare part replacements within the inflation box
	(pressure relief valve).

#### **Documentation**

Cytiva provides a standardized set of documentation and test results after the service or repair. This saves time, reduces costs, and supports compliance when working in a regulated environment. The service engineer documents each PM visit and provides a service report upon completion of the visit.

# Standard recommended PM frequency for Allegro™ single-use mixer systems

One preventive maintenance visit every year after warranty expiration.

### PM, an integral part of our service agreements

To ensure the continued performance of your system, we build preventive maintenance into all our service agreements. Go to cytiva.com/service to learn more about our OptiRun™ service agreements.

# cytiva.com

Cytiva and the Drop logo are trademarks of Life Sciences IP Holdings Corp. or an affiliate doing business as Cytiva.

 $\label{thm:continuous} OptiRun\, is\, a\, trademark\, of\, Global\, Life\, Sciences\, Solutions\, USA\, LLC\, or\, an\, affiliate\, doing\, business\, as\, Cytiva.$ 

Allegro is a trademark of Pall Corporation. @ Indicates a trademark registered in the USA. All other third-party trademarks are the property of their respective owners.

Any use of software may be subject to one or more end user license agreements, a copy of, or notice of which, are available on request.

©2023 Cytiva

For local office contact information, visit cytiva.com/contact

