

# Preventive maintenance

Ensure optimal performance of your Allegro™ single-use mixer

Preventive maintenance (PM) reduces the risk of unexpected breakdowns, helps keep your schedule on track, and ensures your equipment remains properly calibrated. PM is built into our equipment design process for long-term reliability and backed by extensive global experience. Our certified service engineers are trained to deliver expert PM tailored to your system. On completion, we provide detailed service reports for full traceability.

## Comprehensive system assessment

During PM, our qualified engineers perform comprehensive tests and verifications to ensure your Allegro™ single-use mixer meets original factory specifications. They replace any necessary components using quality parts from Cytiva. These procedures are based on protocols optimized during system design and reflect the same functional and quality checks applied during assembly and pre-delivery validation.

## Tests and inspections

### System inspection

Check for damage on exterior and interior (control cabinet).

### 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 feature 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.



Fig 1. Allegro single-use mixer.

## Documentation

We provide a standardized set of documentation and test results after each service or repair. This ensures full traceability, saves time, reduces costs, and supports compliance in regulated environments. Our service engineers document every PM visit and issue a service report upon completion.

## Frequency

One PM visit every year after warranty expiration.

## What we do and why it matters

| Main components                                  | Outcomes  |
|--|---|
| Functional testing, inspections, and calibration | Ensures reliable accuracy of testing data and system functionality.             |
| Wear-and-tear replacement                        | Minimizes unexpected failure risk. Extends the life of your equipment.          |
| As-left testing                                  | Ensures evidence equipment runs according to specifications after completed PM. |
| Documentation                                    | Signed preventive maintenance service report.                                   |

## An integral part of our service plans

To maintain consistent system performance of your Allegro single-use mixer, PM is included in all our service agreements.



**Extended  
life cycle**



**Service  
traceability**



**Maximized  
productivity**

Learn more about how our service agreements can support your operations at [cytiva.com/equipment-services](https://cytiva.com/equipment-services)

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