

# OptiRun™ Service solutions

Ensure optimal performance of your Palltronic® Flowstar IV and V Filter Integrity Test Instrument with 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.

The preventive maintenance includes a calibration (CAL). Cytiva recommends that your instruments be calibrated at least once a year to ensure measurement accuracy. This will increase performance, reliability, and repeatability of testing and allow for inspection readiness and full traceability through a calibration certificate and instrument service record.

Our service engineers are trained, certified, and experienced with deep knowledge and understanding to take complete care of your Palltronic® Flowstar IV and V Filter Integrity Test Instrument.

-  **Extended lifecycle**
-  **Service traceability**
-  **Maximized productivity**

## Cytiva PM supports your bioproduction needs.

### Main components of PM

**Functional testing, inspections, and calibration**

**Wear-and-tear change**

**As-found/as-left testing**

**Documentation**

### Outcomes you can expect from PM

Ensure reliable accuracy of testing data and system functionality

Minimize unexpected failure risk; extend the life of your equipment

Ensure evidence equipment runs according to specifications after completed PM

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

<b>System inspection</b>	Measurement module status and fluid checks: Internal vent valve and tubing inspection (Palltronic® Flowstar V instrument only)
<b>Functionality verification</b>	Measurement module: <ul style="list-style-type: none"><li>• Disassembly, check, and cleaning</li><li>• Functional, leaks, and pressure regulator checks</li><li>• Adjustment and calibration</li></ul> External vent valve (if it exists): <ul style="list-style-type: none"><li>• Cleaning and replacement of valve pallet/O-ring</li><li>• Functional and leaks test</li></ul>
<b>Calibration</b>	Pressure transducers Flow measurement

### Quality parts replaced during PM

<b>Parts replaced</b>	Pneumatic module including seals, O-rings, valve pallets and inlet filter
-----------------------	---

## 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 your Palltronic® Flowstar IV and V Filter Integrity Test Instruments

One preventive maintenance visit after 100 000 valve cycles or 500 to 1500 tests, after warranty expiration.  
One calibration visit every year after warranty expiration.

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

Go to [cytiva.com/service](https://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.

OptiRun is a trademark of Global Life Sciences Solutions USA LLC or an affiliate doing business as Cytiva.

Palltronic 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](https://cytiva.com/contact)

CY35819-25May23-FL

