

# Preventive maintenance

Ensure optimal performance of your Palltronic Flowstar IV and Palltronic Flowstar V filter integrity test instruments

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 Palltronic Flowstar IV and Palltronic Flowstar V integrity test instruments meet 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

- Internal vent valve
- Valve operation
- Check for fluid infiltration

### Tests

- Electrical tests
- Leak tests
- Valve operation
- Pressure transducer check
- Pressure regulator check (Palltronic Flowstar IV only)
- Flowcheck with external vent valve
- Final self test

### Calibration (as Found and as left)

- Pressure (transducers) calibration
- Flow calibration



Fig 1. Palltronic Flowstar V integrity test instrument.



Fig 2. Palltronic Flowstar IV integrity test instrument.

## Parts replaced

- External vent valve
- Pneumatic module: including seals, O-rings, valve pallets, and inlet filter

## 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

Service type	Frequency
Preventive maintenance	Once every three years or after 100 000 valve cycles or 500–1500 tests, post-warranty
Calibration	Once every year, post-warranty

## 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.
Exchange of all elastomers in contact with process fluid	Minimizes contamination risk due to leakage to ensure high quality end product for human use.
Calibration with measurement of uncertainty (option)	Ensures equipment runs according to specifications after completed PM.
Documentation	Signed PM record and service report after completion.

## An integral part of our service plans

To maintain consistent system performance of your Palltronic Flowstar IV and Palltronic Flowstar V integrity test instruments, 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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