

# Preventive maintenance

Ensure optimal performance of your UniFlux™ system

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 UniFlux™ system meets original factory specifications. They replace components below 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

Pump flow rate	Conductivity meter loop
Temperature sensors	Mechanical inspection
Valves	Inspection and cleaning of the rotary lobe pump
Flow meter	
UV meter loop	Emergency stop verification
Hydrostatic leakage test	Hydraulic unit inspection (if applicable)
Pressure meter	Pressure control valves
pH sensors	Air integrity flow meter

### Parts replaced

Pump valve housing, and cam kit	Valve diaphragms
Conductivity cell O-ring kit	Pressure meter seals
pH electrode and O-rings	Flow meter gasket kit
Sanitary clamp gaskets	UV meter lamp, filter, and O-ring kit (optional)
Pump peristaltic tube (optional)	Pump oil exchange

**Note:** A basic system PM visit includes replacement of only the pH electrode and UV filter, if applicable.

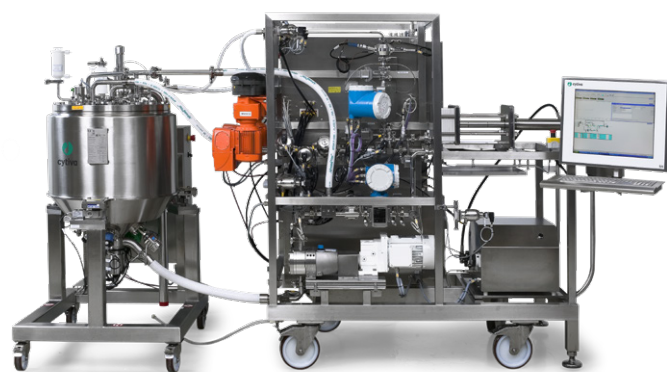


Fig 1. Integrated UniFlux 30 system and 100 L tank.



Fig 2. UniFlux 10 system configured for cassettes and with 10 L tank.

## 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

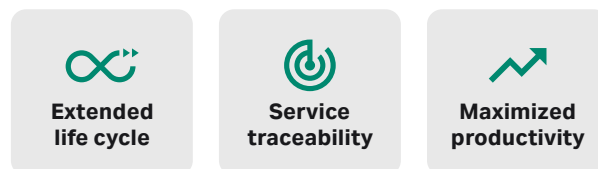
System usage	Type of PM visit
Normal usage: up to 2000 hours per year	One PM visit the year after warranty expiration and one basic PM visit the following year (repeat cycle every two years)
High usage: 2000 to 4000 hours per year, or use with aggressive solvents	One PM visit annually
Continuous usage: more than 4000 hours per year	Two PM visits annually

## What we do and why it matters

Main components	Outcomes
Calibration and performance validation	Ensure accurate data.
Technology update	Get the latest factory developments.
Documentation	Enable traceability and compliance with service reports.

## An integral part of our service plans

To maintain consistent system performance of your UniFlux system, PM is included in all our service agreements.



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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