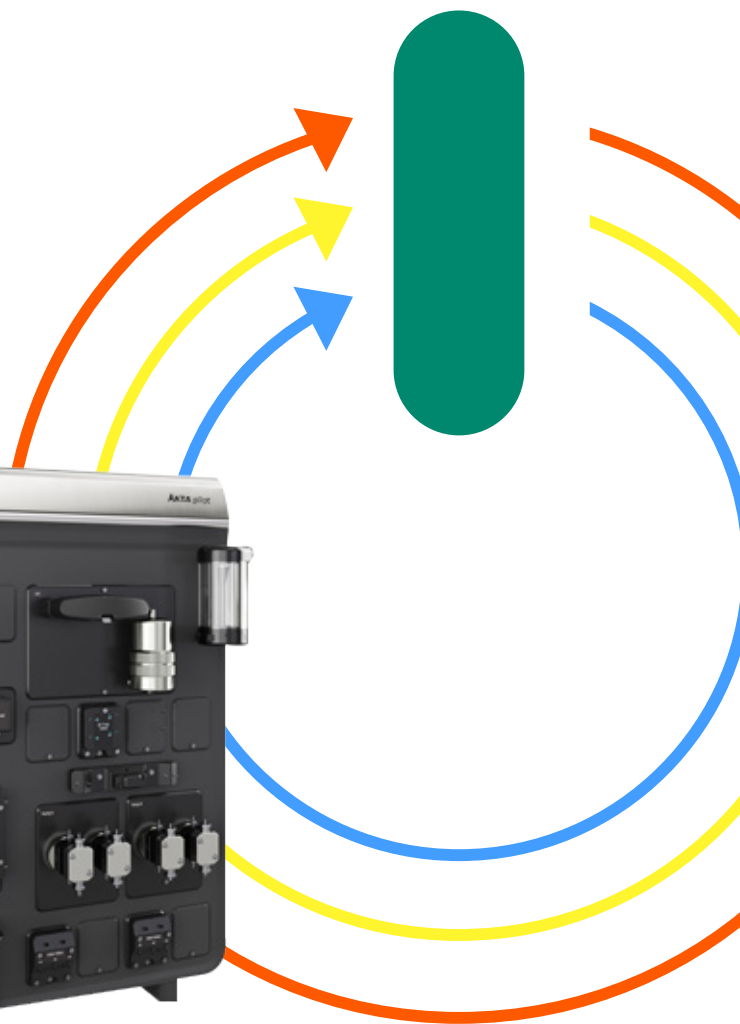


OptiRun™ Service solutions

Ensure optimal performance of your ÄKTA pilot™ 600R system with preventative maintenance



Peak performance and minimal downtime are important to your production outcomes. Maintaining complex equipment in prime condition is essential for meeting your goals in speed, accuracy, and productivity.

Preventive maintenance (PM) reduces the likelihood of unexpected breakdowns. It maximizes runtime while protecting your schedule. It keeps your equipment properly tuned and it provides PM service reports upon completion. At Cytiva, PM is also an integral part of the design process. You benefit from our global experience maintaining thousands of life science systems.



Cytiva PM supports your needs.

Main components of PM	Outcomes you can expect from PM
Functional testing, inspections, and calibration	Ensure reliable accuracy of testing data and system functionality; extend the life of your ÄKTA pilot™ 600R.
Wear and tear change	Minimize unexpected failure risk; extend the life of your equipment.
Documentation	Signed PM service report upon completion of PM.
Exchange of all elastomers in contact with process fluid	Minimize contamination risk due to leakage to ensure a high-quality product for human use.
As found as left testing	Ensure equipment runs according to specifications after completed PM.

	OptiRun™ LifeCycle
	Service traceability
	Maximized productivity



Testing and inspections

During PM, our qualified engineers run a necessary set of tests and verifications to keep your equipment to factory specifications and replace any required 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.

Extensive set of tests and inspections

Initial performance test	Pressure pulsation test
Air sensor test	System backpressure test
Air Trap leakage test	System leakage test
Valve test (Air Trap)	UV monitor test
Valve test (Column)	Conductivity monitor test
Valve test (Inlet)	Mixer module test (optional module)
Valve test (Outlet)	Valve test (Mixer, optional module)
Pressure sensor test	pH module test (optional module)
Check valve test	Final performance test

Quality parts replaced during PM

Restrictor inserts	Pump Rinse diaphragm
Pump seals	Valve membranes (Inlets; Air; Column; Outlets and any optional modules)
UV lamp	Mixer O-ring (optional module)
O-rings used in the Air Trap Valve	O-ring pH module (optional module)
Pressure Sensor O-rings	Mixer Stirrer (optional module)
All O-rings used in the Air-Trap Valve	

Note: Optional modules will depend on the configuration of your system.

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.

PM schedule

Our standard recommended PM frequency for BioProcess™ systems varies with usage:

System usage	Type of PM visit
Normal usage: up to 2000 hours per year	One comprehensive 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 of aggressive solvents	One comprehensive PM visit annually
24/7 usage: more than 4000 hours per year	Two comprehensive PM visits annually

Note: A basic system PM includes replacement of only valve membrane kit, restrictor inserts and pump seal.

PM, an integral part of our service agreements

To ensure the continued performance of your system, we build preventative maintenance into all our service agreements. Go to [cytiva.com/service](https://www.cytiva.com/service) to learn more about our OptiRun™ service agreements.

[cytiva.com/service](https://www.cytiva.com/service)

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