

Preventive maintenance

Ensure optimal performance of your ÄKTA go™, ÄKTA™ avant, and ÄKTA pure™ systems

Preventive maintenance (PM) reduces the risk of unexpected breakdowns, helps keep your schedule on track, and ensures your equipment is performing according to specifications. 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.

System assessment

During PM, our qualified engineers perform comprehensive tests and verifications to ensure your ÄKTA go™, ÄKTA™ avant, or ÄKTA pure™ system 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

Pump inspection and wear parts replacement
Pump pulsation testing
Valve switching and positioning
UV lamp intensity test
Fraction collector operation (fraction collector box and arm)
Pressure sensor alarm
Liquid system inspection and cleaning
Mixer inspection
Updates to the latest instrument configuration
Review of service error log
Operational check of computer and UNICORN™ software



Fig 1. ÄKTA go chromatography system.

Parts replaced

Pump seals
Membranes for pump rinsing
O-rings
In-line, and inlet filters

Note: Parts replaced during preventive maintenance may vary from model to model. If your ÄKTA system is not covered by a Cytiva service agreement, any part replaced other than a wear part will incur additional charges.

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

Our standard recommendation is one PM visit per year. Your service team can advise on the right frequency for you.

What we do and why it matters

Main components	Outcomes
Functional testing and inspections	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.
Documentation	Signed service report after completed PM.

An integral part of our service plans

To maintain consistent system performance of your ÄKTA go, ÄKTA avant, or ÄKTA pure system, 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://www.cytiva.com/equipment-services)

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