

Preventive maintenance

Ensure optimal performance of your ÄKTA readyflux™ 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 ÄKTA readyflux™ 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

External inspection for damage and leaks

Valve test

Pressure sensor test

Conductivity meter test

pH sensor test

Flowmeter test

Temperature sensor test

Transfer pump functionality test

Permeate pump functionality test

Mechanical inspection

Safety tests

Air sensor test

Feed pump functionality test



Fig 1. ÄKTA readyflux system.

Parts replaced

Air filter

UV LED

UV 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

| System usage | Type of PM visit |
|--------------------------------------------------------------------------|--------------------------------|
| Normal usage: up to 2000 hours per year | One PM visit every second year |
| 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 |
|--------------------------------------------------|---------------------------------------------------------------------------|
| Functional testing, inspections, and calibration | Ensures reliable accuracy of testing data and system functionality. |
| Wear-and-tear replacement | Minimizes risk of unexpected failure. Extends the life of your equipment. |
| As-found/as-left testing | Ensures equipment runs according to specifications after completed PM. |
| Documentation | Signed PM service report upon completion. |

An integral part of our service plans

To maintain consistent system performance of your ÄKTA readyflux 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)

cytiva.com

Cytiva and the Drop logo are trademarks of Life Sciences IP Holdings Corporation or an affiliate doing business as Cytiva. ÄKTA and ÄKTA readyflux are trademarks of Global Life Sciences Solutions USA LLC or an affiliate doing business as Cytiva. Any other trademarks are the property of their respective owners.

© 2025 Cytiva

For local office contact information, visit [cytiva.com/contact](https://www.cytiva.com/contact)

CY12075-28Nov25-FL

