

KrosFlo® RS TFF Systems & KRM® Chromatography Systems Preventative Maintenance: What to Expect

The Preventive Maintenance visit includes the following services:

- **FSE labor and travel** to perform onsite maintenance
- **Physical and mechanical inspection** of all system components
- **Sensor and software verification** to confirm proper system operation
- **Maintenance report** summarizing system status and completed activities
- **Service recommendations** for continued performance and reliability
- **Preventive maintenance kit and tools** supplied by Repligen for all required maintenance tasks



Detailed Specification of Checks Applied Across All Systems:

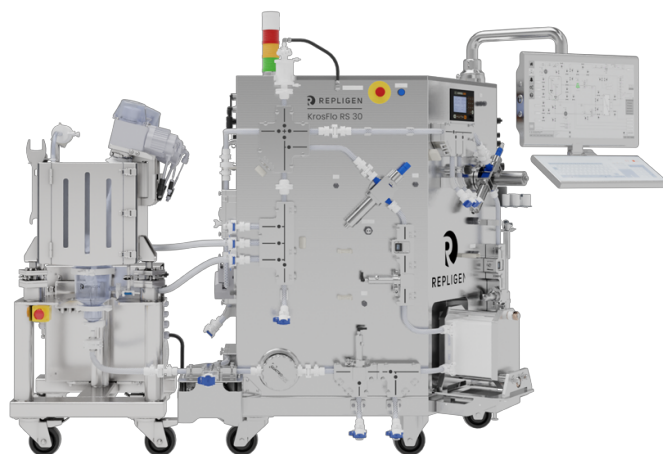
Category	Description
Physical Checks	Inspection of valve blocks, HMI, pump plates, connectors, plugs, internal/external wiring, and removal of mild rust
Mechanical Component Checks	Examination of pumps, replacement of Quattroflow® pump bearings, valve inspections, filter replacement on the pressure regulator, and muffler replacement
Sensor Verification	Testing of pump rpm, conductivity sensors, pH sensors, temperature sensors, pressure sensors, and UV sensors
Software & Backup Review	Confirmation that system backups are performed and software is updated to the latest version
Controller Function Test	Validation that the system operates correctly after component changes and performs as expected under normal conditions

Detailed Specification of Checks Specific to RS10 and RS20 (Supplementary to the Standard Set Above):

- Replacement of UV fiber optic cables, where required by system configuration (applicable to RS10 only)
- Replacement of the fan filter
- Verification of scales and mixer performance

Detailed Specification of Checks Specific to RS30, RS40, and RS50 (Supplementary to the Standard Set Above):

- Execution of preventive maintenance on the Tulip tank
- Inspection of the hydraulic trolley (applicable to RS40 and RS50)



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