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# BioFlo® 610

## BioFlo 610 Performance Plans

Bioprocess systems include several sophisticated technologies. Peak performance requires smooth interplay of the subsystems and fully functioning consumable parts. Regular maintenance by qualified engineers helps to ensure reliable operation, while deferring it can cause unreliable results, expensive repairs, and prolonged downtime.

The BioFlo 610 is a compact, mobile, pilot/production fermentor for technology transfer and small-scale production. A modular design and wide variety of standard

and optional components provide the flexibility to customize the system to meet your process requirements. The BioFlo 610 is available in two vessel sizes with working volumes of 16 L to 100 L.

Eppendorf Bioprocess Performance Plans help you to maintain the optimal performance of your equipment over years of frequent use.

Bioprocess maintenance —  
see the advantage!

eppendorf

Performance tested on

Model: \_\_\_\_\_

Serial no.: \_\_\_\_\_

Serviced by: \_\_\_\_\_

Service no.: \_\_\_\_\_

Next service: \_\_\_\_\_

Date: \_\_\_\_\_

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# BioFlo® 610 Performance Plans

Service Operation	ESSENTIAL CHECK	ADVANCED MAINTENANCE	PREMIUM SERVICE	Installation Qualification (IQ)	Operational Qualification (OQ)	IQ/OQ
Catalog Number	0082140333	0082140334	0082140335	0082140337	0082140338	0082140339
<b>External Inspection and Maintenance</b>						
Check installation environment	■	■	■	■		■
Verify utility connections	■	■	■	■		■
Inspect addition pump heads and motors	■	■	■	■		■
Inspect motor cables and sensor cables	■	■	■	■		■
Check vessel for damage and leaks	■	■	■	■		■
Verify loop PI settings	■	■	■	■		■
Check valve operation	■	■	■	■		■
Check hoses	■	■	■	■		■
<b>Internal Equipment</b>						
Check motor and bearing housing for speed and operation	■	■	■		■	■
Rebuild bearing housing		■	■			
Replace o-rings, gaskets, and ferrules	■	■	■			
Rebuild solenoid, pneumatic, hand-operated, addition, sample, and harvest valves	■	■	■			
Inspect angle seat valves, gas sequencing valves, and circulating pump	■	■	■			
Replace rupture disk	■	■	■			
Test TMFC for operation	■	■	■		■	■
<b>System Checks</b>						
Calibrate pH and DO loops with simulator	■	■	■	■	■	■
Verify motor speed	■	■	■	■	■	■
Verify temperature	■	■	■			
Perform pressure hold	■	■	■	■	■	■
Perform test run	■	■	■	■	■	■
Check for latest software revision	■	■	■	■	■	■
Verify valve sequence	■	■	■		■	■
<b>Documentation</b>						
Check list provided	■	■	■			
Dated service sticker to confirm Eppendorf service	■	■	■	■	■	■
IQ report and signed documentation				■		■
OQ report and signed documentation					■	■
<b>Supporting Information</b>						
Travel	not included	not included	included	included	not included	included
Time/Labor	included	included	included	included	included	included
Additional parts	not included	not included	included	not included	not included	not included

## Advantage OS

Description	Catalog No.
BioFlo 610	ADSERV-610

## Advantage OS

An easy to use value packaged service option to help in advance and protect the system. Bioprocess Advantage OS provides labor and travel for up to two visits; an Advanced Maintenance and a single repair visit within the year. The plan also includes the Advanced Maintenance parts kit and a 20 % discount on parts utilized on a repair visit.

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