



BioFlo[®] 320

BioFlo 320 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 320, next-generation bioprocess control station, is designed as a universal platform capable of meeting the ever changing needs of all segments of biotech

and pharmaceutical sciences. The BioFlo 320 is suitable for microbial and cell culture, scale up and scale down, and batch, fed batch, and perfusion processes. It features an extensive range of glass and BioBLU[®] Single-Use Vessel options (250 mL – 40 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: _____

epServices
for premium performance

BioFlo® 320 Performance Plans

Service Operation	ESSENTIAL CHECK	ADVANCED MAINTENANCE	PREMIUM SERVICE	Installation Qualification (IQ)	Operational Qualification (OQ)	IQ/OQ
Order Number	0082 140 123	0082 140 124	0082 140 125	0082 140 167	0082 140 168	0082 140 169
External Inspection and Maintenance						
Check installation environment	■	■	■	■		■
Verify utility connections	■	■	■	■		■
Inspect addition pump heads and motors	■	■	■	■		■
Inspect motor cables and sensor cables	■	■	■	■		■
Check vessel for damage	■	■	■	■		■
Internal Equipment						
Check motor and bearing housing for speed and operation*	■	■	■		■	■
Rebuild bearing housing		■	■			
Replace o-rings, gaskets, and ferrules		■	■			
Check water circulation system	■	■	■			
Inspect gas sequencing valves	■	■	■			
System Checks						
Calibrate pH and DO loops with simulator	■	■	■	■	■	■
Check gas flow and mixing	■	■	■			
Verify motor speed*	■	■	■	■	■	■
Verify temperature	■	■	■			
Perform test run*	■	■	■	■	■	■
Check for latest software revision	■	■	■	■	■	■
Documentation						
Check list provided	■	■	■			
Dated service sticker to confirm Eppendorf service	■	■	■	■	■	■
IQ report and signed documentation				■		■
OQ report and signed documentation					■	■
Supporting Information						
Contract period	one year	one year	one year	n/a	n/a	n/a
Number of preventive services included	one	one	one	n/a	n/a	n/a
Cost of repairs/parts replaced outside scope of preventive maintenance visit (where Eppendorf product warranty has expired)	not included	not included	discount on parts, labor, travel time	n/a	n/a	n/a

Note: For customers using BioBLU Single-Use Vessels please select the Essential Check only. Please contact your local Eppendorf representative for other service contract options.

* Customers using single-use vessels must provide a vessel for these tests.

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