

epServices  
for premium performance



# BioFlo<sup>®</sup> 415

## BioFlo 415 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 415 is an economical sterilize-in-place fermentor available in three vessel sizes with working

volumes from 2 L to 15 L. The system's built-in electrical heaters make the BioFlo 415 particularly suitable for those labs where a steam source is not present.

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® 415 Performance Plans

Service Operation	■ ADVANCED MAINTENANCE	■ PREMIUM SERVICE	Installation Qualification (IQ)
<b>Order Number</b>	0082 140 164	0082 140 165	0082 140 167
<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	■	■	
Inspect solenoid valves operations	■	■	
Inspect gas sequencing valves	■	■	
Replace rupture disk	■	■	
Test TMFC for operation	■	■	
<b>System Checks</b>			
Calibrate pH and DO loops with simulator	■	■	■
Verify motor speed	■	■	■
Verify temperature	■	■	■
Perform test run	■	■	■
Check for latest software revision	■	■	■
<b>Documentation</b>			
Check list provided	■	■	
Dated service sticker to confirm Eppendorf service	■	■	■
IQ report and signed documentation			■
<b>Supporting Information</b>			
Contract period	one year	one year	n/a
Number of preventive services included	one	one	n/a
Cost of repairs/parts replaced outside scope of preventive maintenance visit (where Eppendorf product warranty has expired)	not included	discount on parts, labor, travel time	n/a

Your local distributor: [www.eppendorf.com/contact](http://www.eppendorf.com/contact)  
 Eppendorf AG · Barkhausenweg 1 · 22339 Hamburg · Germany  
[eppendorf@eppendorf.com](mailto:eppendorf@eppendorf.com) · [www.eppendorf.com](http://www.eppendorf.com)

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