

BioFlo® 320 Update – Version 02.04

Description of changes:

Software revision 02.04 incorporates the following solutions/additions to improve the performance of your bioprocess controller:

- > Resolves intermittent flow control at low limit (0.04 SLPM) for gas flow loop
- > Resolves hardware assignments for gas mixing of O₂, N₂, CO₂
- > Resolves system start-up issue due to server, client connectivity

Instructions:

Determine which software version is currently installed in your controller:

- > Turn on your fermentor/bioreactor
- > Select the Setup button (Unit View) from the bottom
- > Select the Software Tab
- > View the software version

If the installed software is lower than the latest version listed above, perform the upgrade as listed below. You may want to print this page for easy access to the instructions while you work.

1. Note - Some recipes may not be compatible with the system after firmware upgrades. We recommend manually recording all recipe values prior to upgrading your firmware, as well as backing them up on an external USB memory stick before performing the upgrade.
2. Click the above link and save the file on your hard drive
3. Choose a location on your hard-drive for the download (suggest "desktop")
4. After download is complete close the dialog box
5. Extract the downloaded .ZIP file to your hard drive (suggest "desktop")
6. Install a USB external memory device into the computer's USB drive connection
7. Go to the Extracted .EXE file with in extracted file on your hard drive and double click the file
8. Pop up menu comes up – Select Run
9. From the pop up menu - under "Unzip to folder" – click "Browse" and select USB drive (Removable Disk)
10. Select Unzip button and Okay
11. After download is complete select "Close" to close the dialog box
12. Remove the USB external memory device from the computer and insert it into your fermentor/bioreactor USB port on the back of the unit
13. On your fermentor/bioreactor, select the 'Setup' tab
14. Select the 'Software' tab
15. Select the 'Refresh' button located in the 'Software' panel
16. In the 'Updates' list, select the file (\\Update_R320GUI_02030003) to be installed
17. Select the 'Update' button and the update routine will begin
18. During this update routine, a few dialog boxes (sometime error messages) will pop up – Select "Yes" to all and the unit will automatically restart a few times
19. After the update is complete – you will come to the main screen
20. Select "Setup" button on bottom right – this will bring you to the "Controller Set up" screen
21. Select "Save Changes" button - This will bring back your original loops settings and control

22. Verify that the new version is running by selecting the 'Setup' button and then the 'System Settings' tab. Under "Software" confirm you have "Revision 02.03"
23. The unit will now be running with the new version that was installed on it
24. The USB external memory device can be removed from the unit

Congratulations! You have installed the latest performance enhancements. Check the Eppendorf website regularly for new revisions.