



Fresenius Medical Care

Fresenius Medical Care North America Service Bulletin

Equipment: 2008H & 2008K Hemodialysis Machines
 Bulletin: 11-FHK-001 Rev B
 Subject: Displayed BFR vs. Transmitted BFR (Update)

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1.0 PURPOSE

To inform all Field Service and Technical Support personnel of the differences between the blood flow rate (BFR) displayed on the blood pump and the blood flow rate transmitted.

2.0 SCOPE

There has been some misunderstanding of the differences between the blood flow rate displayed on the blood pump and the blood flow rate sent to the AML, Chairside and other computer systems. Below is a table showing the resolution and the tolerances for blood flow rate used on the 2008H and 2008K.

	2008H	2008K
Set Blood flow rate	20 – 600 ml/min in increments of 10 ml/min	0 – 600 ml/min in increments of 5 ml/min
Reading at Computer System	± 20 ml/min of set blood flow rate	± 20 ml/min of set blood flow rate

The method of transferring the blood flow rate setting to a computer system is as follows. A potentiometer is used to set the blood flow rate on the 2008H. Likewise a similar method is used on the 2008K. The analog output from the potentiometer is read and digitized by the main processor. Correspondingly the main processor sends out this digitized value through the RS232 port. The computer system reads this value and displays it.

The analog output value may be different between different modules. When switching modules or if the reading between the set blood flow rate and the computer system differs by more than 20 ml/min, recalibrate the arterial blood pump rate.

On the 2008K, the difference between the blood flow rate displayed on the blood pump and the blood flow rate transmitted can be eliminated by installing a Blood Pump Serial Communication cable (P/N 670658-Q). This cable is connected between the Serial Interface connector on the Arterial Blood pump main board (LP955) and P10 of the functional board. The functional board software version must also be version 3.29 or greater for the Blood Pump Serial Communication cable to function.

NOTE: Once the Blood Pump Serial Communication cable is installed, refer to FSB# 10-FRK-001 outlining an additional requirement when calibrating the arterial pressure on 2008K machines equipped with functional board software versions up to and including version 3.37.

If there are any questions regarding this bulletin, contact Fresenius Technical Support at 800-227-2572.

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