



Technical Bulletin

Ref: **TB- 07006**

Issue date: **December 2007**

Product: INOmax™ DS

Priority:

Affected parts: Ventilator Compatibility

Classification: Information

Subject: **INOmax DS/Bunnell Life Pulse and low dose/low flow conditions**

The specification for ventilator flow rates when using the INOmax DS is 2 to 120 L/min. The accuracy of INOmax delivery for flow rates below 2 L/min. is not specified.

A condition has been identified that when both the set dose is below 5 ppm and the ventilator flow rate on the Bunnell Life Pulse is below 1 L/min. (approximately 1.6 to 2.0 psi servo pressure); the INOmax DS may stop delivering INOmax.

In situations where the ventilator flow rate from the Bunnell Life Pulse high frequency jet ventilator is delivering an average flow of less than 1 L/min. and the nitric oxide dose is being weaned below 5 ppm (typically 5, 4, 3, 2, 1 and then off). The flow of nitric oxide through the system will get to a point where the INOmax DS can no longer control the dose at extremely low ventilator flow rates resulting in loss of drug delivery.

Care should be taken to ensure that the ventilator flow rate is above 2 L/min. when weaning below 5 ppm and ensure that low alarm limits are set appropriately.

If you have further questions, please contact technical support at 1-877-566-9466.