

INOvent[®] delivery system

FOR NITRIC OXIDE THERAPY

INOvent application update #13

Please place with INOvent Operation and Maintenance Manual.

INOvent delivery system and the Puritan-Bennett Infant Star[®] 950 Ventilator in High Frequency Mode

Datex-Ohmeda provides this information to advise clinicians of the operating limits of the INOvent delivery system when used with the Infant Star 950 mechanical ventilator in high frequency ventilation mode.

The INOvent delivery system can be used with the Infant Star 950 in high frequency mode, with limitations. If higher concentrations of inhaled nitric oxide (> 20 ppm) are delivered, a potential inaccuracy in nitric oxide gas delivery could occur. This inaccuracy could result in an over delivery of nitric oxide, outside the published INOvent specifications.

If clinicians choose to use the INOvent delivery system with the Infant Star 950 ventilator in research protocols in the high frequency mode, the following operating procedures must be followed:

- Patient delivered nitric oxide concentrations must be limited to 20 ppm or less to avoid potential over delivery of nitric oxide;
- Use of the “Pause Flow” feature must be used when the patient breathing circuit is disconnected or opened to help prevent over delivery of nitric oxide, e.g. during patient suctioning;
- Background flow on the Infant Star must be set at 4 LPM or greater to help prevent NO₂ production.

Please follow the instructions for “Connection to an ICU ventilator circuit” (INOvent Operation and Maintenance Manual) for proper set up procedures.

⚠WARNING: DO NOT PLACE AN ADDITIONAL ONE WAY VALVE IN THE PATIENT BREATHING CIRCUIT.

Datex-Ohmeda does not list, in the Operation and Maintenance Manual, the Infant Star 950 ventilator in high frequency mode as compatible for use with the INOvent delivery system due to the limitations in operating conditions. *Please note that the Infant Star ventilator in conventional ventilation modes **is** compatible for use with the INOvent delivery system as stated in Appendix A of the Operation and Maintenance Manual.*

Infant Star is a registered trademark of Puritan Bennett, Inc.

INOvent delivery system and the E.M.E. (Electro Medical Equipment) Ltd. Infant Flow System

Datex-Ohmeda provides this information to advise clinicians of the operating limits of the INOvent delivery system when used with the Infant Flow System by E.M.E.

The INOvent can be used with the Infant Flow System from E.M.E., which is an infant nasal CPAP system. However, at flow rates greater than 7 LPM on the Infant Flow System, a breathing system back pressure can be generated that is higher than the INOvent specified tolerances. The maximum system flow rate should not produce a back pressure of greater than 70 cm H₂O, when measured at the gas sampling tee. In an over pressurized breathing circuit, a “Monitoring Failure” alarm may be activated which causes an interruption of gas analysis. Specific information regarding this particular alarm can be found in the INOvent Operation and Maintenance Manual, sections on Alarms and Troubleshooting.

Datex-Ohmeda does not list, in the Operation and Maintenance Manual, the E.M.E. Infant Flow System as compatible for use with the INOvent delivery system due to the limitations in operating conditions when used at the higher flow rates of the Infant Flow System.

Infant Flow is a registered trademark of E.M.E (Electro Medical Equipment) Ltd.



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