

To: Newport e360 and e500 Ventilator Users

SUBJECT: Important Reminder to Use 100% Oxygen Source Gas

Whenever you connect an oxygen gas source to the e360 and e500 Ventilators, **Newport Medical recommends that you use medical grade oxygen source gas that provides 100% oxygen in order to ensure the accuracy of O₂ sensor calibration, O₂ delivery and O₂ monitoring (indicated under Section 1 in e360 Operating Manual).**

Listed below are some examples of problems you may encounter when using an oxygen concentrator or similar source that provides < 100% oxygen.

1. **O₂ Sensor Calibration:** The e360 ventilator calibrates the O₂ sensor when the user presses "O₂ Sensor" in the *Setup and Calibration* Menu, and also whenever the "O₂ 3 min" button is pressed. The e500 Ventilator calibrates the sensor automatically at start up and at regular intervals and also whenever the O₂ 3 min button is pressed. During calibration, the ventilators expose the O₂ sensor to the oxygen source gas and then assign it the 100% O₂ reading. If you use an oxygen source that provides less than 100% oxygen, e360 and e500 will assign the 100% setting on the ventilator to that level of oxygen.
2. **O₂ Delivery:** If your oxygen source gas is less than 100% oxygen, you will deliver a lower O₂ level than what is set on the F_IO₂ control.
3. **O₂ Monitoring:** If you have less than 100% oxygen source to calibrate as the highest oxygen concentration, the O₂ monitoring will be inaccurate, reading a higher level than what is delivered. You may also encounter unexpected F_IO₂ alarms.

Newport Medical recommends the oxygen sensor (p/n R125P03-002) to be replaced every two years or when the sensor is no longer able to calibrate.

NOTE: We are updating the Operating Manuals in accordance with this bulletin.

If you have any additional questions, please contact Newport Technical Service at 1.714.427.5811 ext. 500 or email: techservice@ventilators.com.

To order e360 or e500 replacement parts, please contact Newport Customer Service at 1.714.427.5811 ext. 282 or email: customers@ventilators.com.

