

For Immediate Release

Contact:

Amy Nesbitt
Blattner Brunner
Public Relations
7412-995-9614

Reynee Tung
Respironics, Inc.
Manager, Marketing Comm.
760-918-7477

Respironics Releases LoFlo™ Sidestream CO₂ Sensor

Murrysville, PA, April, 2006 – Respironics, Inc. (NASDAQ/NMS Symbol: RESP) introduces the new LoFlo™ Sidestream CO₂ Sensor. The LoFlo Sensor is the ideal low sampling rate capnography solution for monitoring intubated and non-intubated adult, pediatric and neonatal patients. The LoFlo Sidestream Sensor is based on our CAPNOSTAT® 5 Mainstream CO₂ Sensor technology and uses sophisticated infrared absorption spectroscopy. It measures End-Tidal Carbon Dioxide (ETCO₂) and respiration rate, at a new low sample rate of 50 ml/minute.

LoFlo incorporates a miniaturized, PC board and sampling pump inside the sensor housing. This eliminates the need for an internal PC board in a host monitor, conserves space and makes implementation easy. Because the LoFlo Sidestream Sensor is built using the same electronics as the CAPNOSTAT 5 Sensor, users can easily switch between the two, and “Plug & Play” with either or both CO₂ technologies based on their specific patient requirements. Its compact and lightweight size enables the sensor to be easily mounted or left as part of the monitoring cabling.

The LoFlo Sensor’s uniquely designed sample cell is permanently attached to the disposable sampling accessories rather than housed inside of the module, eliminating potential contamination due to excessive water or patient secretions. The patented design enables continuous protection of the measurement bench. It helps provide maximum reliability and facilitates: reduced maintenance; maximized monitor utilization; and minimized overall cost of ownership.

According to Philip Nuzzo, Vice President of OEM and Business Development, Respironics Critical Care, “The introduction of the LoFlo Sidestream CO₂ Sensor solidifies Respironics’ position as the global leader

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in capnography while advancing ET CO_2 technology to a new level. The “Plug & Play” interchangeability between the LoFlo sidestream and CAPNOSTAT 5 mainstream technologies provides our OEM customers with the ability to offer their customers the most flexible CO_2 solution available on the market today. This solution ensures respiratory monitoring capabilities that provide invaluable benefits for patients and their caregivers both now and in the future.”

The LoFlo™ Sidestream CO_2 Sensor joins the Respironics family of other OEM technologies, including the CAPNOSTAT® 5 Mainstream CO_2 Sensor, FloTrak™ Respiratory Mechanics Module, and other respiratory monitoring products such as the NICO $_2$ ® Respiratory Profile Monitor and the Tidal Wave® Handheld CO_2 Capnograph, both available for private label applications. Respironics also provides comprehensive engineering, clinical and marketing support services to assist its OEM customers.

About Respironics, Inc.

Respironics' Critical Care is focused on advancing the science and practice of respiratory care. The Group offers a single source for invasive and noninvasive cardiorespiratory diagnostic and therapeutic resources. Products include ventilators, monitors, disposable masks and accessories, pulse oximeters, and capnography devices.

Respironics is a leading developer, manufacturer and distributor of innovative products and programs that serve the global sleep and respiratory markets. Focusing on emerging market needs, the Company is committed to providing valued solutions to help improve outcomes for patients, clinicians and health care providers. Respironics markets its products in 131 countries and employs over 4,300 associates worldwide. Further information can be found on the Company's Web site: www.respironics.com.

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This document contains forward-looking statements, including statements relating to, among other things, developments in the healthcare industry; the success of the Company's marketing, sales, and promotion programs; future sales and acceptance of the Company's products and programs; the timing and success of new product introductions; new product development; anticipated cost savings; FDA and other regulatory requirements and enforcement actions; future results from acquisitions; acquisition integration; growth rates in foreign markets; regulations and other factors affecting operations and sales outside the United States (including potential future effects of the change in sovereignty of Hong Kong); foreign currency fluctuations; customer consolidation and concentration; increasing price competition and other competitive factors in the sale of products; interest rate

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fluctuations; expiration of intellectual property rights; intellectual property and related litigation; other litigation; future levels of earnings and revenues; and third party reimbursement, all of which are subject to change. Actual results may differ materially from those described in any forward-looking statements. Additional information on potential factors that could affect the Company's financial results are included in the reports filed with the SEC, including the reports on Form 10-K, 10-Q and 8-K.

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