



PARI's Hydrate Receives FDA 510k Clearance

Midlothian, Virginia; March X, 2007 – PARI Respiratory Equipments' new PARI Hydrate G, the first heat and humidification system that uses C-Force technology, received 510k clearance from the Food and Drug Administration and will be available for sale in July.

"The PARI Hydrate shows how technology is working to improve patient care. Hospitals will use Hydrate to heat and humidify gases, such as oxygen, when administered through nasal cannulas. Hydrate's small size and C-Force technology allow the process to take place closer to the patient in a small device. The aim is to provide the clinician with better control and feedback of humidification – previously impossible with other systems," said Werner Gutmann, president of PARI Respiratory Equipment.

Infant, pediatric, and adult patients that are put on oxygen through a nasal cannula need humidified gas at the correct temperature for proper treatment. Hydrate not only delivers completely saturated and heated gas but is small and light enough to introduce the therapy near the patient, eliminating the need for large bore tubing or heated wires.

When high flows of oxygen are administered non-invasively (such as with a nasal cannula), the upper respiratory tract has difficulty adding adequate amounts of heat and humidity before the supplemental oxygen is delivered to the lower respiratory tract (trachea and lungs).

The PARI Hydrate G.33 with C-Force Technology uses a capillary force vaporizer, which is about the size of a large aspirin tablet and made of ceramic to heat and humidify up to 50 L/min of gas flow. When water is supplied to the bottom of the disc, capillary forces draw the liquid into the disc – similar to the way water is brought to the top of a tree. Heat is then applied through the top of the disc and the water undergoes phase transition into a vapor, expands, and is released under pressure through an opening.

PARI's Hydrate features C-Force Technology that uses a capillary force vaporizer licensed from Vapore, Inc.

About PARI Respiratory Equipment

PARI is a leading worldwide developer and manufacturer of fast and efficient aerosol delivery systems for patients with asthma, chronic lung disease, and cystic fibrosis. PARI's worldwide vision is to improve the lives of those affected by respiratory diseases and those who care for them. Maker of the world's leading breath-enhanced reusable nebulizer, the PARI LC PLUS, PARI also manufactures the award winning PARI TREK compact compressor, the innovative aerosol mask Bubbles the Fish II, and powerful PARI PRONEB Ultra II. PARI's North American headquarters is in Midlothian, VA with worldwide headquarters in Starnberg, Germany. Online at www.Pari.com

Additional information is available by contacting Norm Tiffin at 804.253.7274 x797 or Ayars & Associates at 805-566-2986.

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