

PRESS RELEASE

Ventilation Systems newly defined – Weinmann at DAC

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"Intelligent" Home Ventilation for Better Therapy Compliance and Improved Therapeutic Effectiveness

Hamburg – For the first time the Hamburg-based medical technology company Weinmann will present its entire ventilation portfolio under the motto "Ventilation Systems newly defined" at this year's DAC (annual convention of the German Society of Anesthesiologists and Intensive Care Medicine). Among the products to be shown are devices for emergency medicine and Weinmann's home mechanical ventilators.

The highlight of the presentation is a demonstration of a "Ventilation Workstation". It features one of the most innovative home ventilation devices (*VENTI/ologic*) developed by the company interacting with a monitoring unit, transcutaneous blood gas monitoring, an optional blood gas analysis and a suction pump for secretion removal. The most important ventilation and blood gas parameters are shown in curves and trend diagrams on a monitor. All the components will be presented on a special trolley for the system's mobile temporary use, for example, during post-operative ventilation, in the intermediate care unit or in nursing homes or rehabilitation centers. "We would like to show users what a complete mobile system solution looks like and the benefits it offers," said Jörg Mielenz, product and ventilation specialist at Weinmann.

VENTI/ologic: High Compliance plus Greater Unloading of Respiratory Muscles

The innovative *VENTI/ologic* is the first "intelligent" home mechanical ventilator whose patented TAV (Timed-Adaptive Ventilation) mode anticipates the patient's respiratory pattern and thus significantly increases therapy compliance. Under controlled ventilation of patients with a weakened respiratory pump, "respirator fighting" can often be observed. The patient unconsciously begins to breathe against the rhythm of the ventilator, which puts a greater strain on the respiratory pump. This "fighting" is so unpleasant that the patient's therapy compliance declines. "A potentially high unloading of the respiratory pump was often connected in the past with lower therapy compliance and consequently with low therapeutic effectiveness." Mielenz said. "Ventilators that are triggered by the patient's spontaneous breathing and are therefore found to be more pleasant, however, relieve the respiratory muscles to a lesser extent and lead to hyperventilation of the patient." The innovative TA mode in *VENTI/ologic* makes it possible for the first time to combine the high compliance of spontaneous ventilation modes with the high unloading (about 90%) of controlled ventilation modes.

New: Optimized for supply of up to 15 liters of oxygen

When combined with the new oxygen valve VENTI-O₂ plus, the VENTI*logic* ventilation device can safely and reliably provide up to 15 liters of oxygen to the patient, for example, during the weaning phase. A change in the safety concept for VENTI*logic* has made this possible. From now on the device fulfills the requirements of the current ISO EN 60601-1 norm for fire protection even as it applies to the delivery of large volumes of oxygen. For compliance purposes, the air-tightness of the air and oxygen conducting components in the device was improved, an optimized power unit was installed and new fire-resistant materials were used. The optimized "new" VENTI*logic* will be available as of the middle of May.

More information at http://www.weinmann.de/en/home_homecare/home_mechanical_ventilation0/ventilogic/

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**Visit us at our stand at the DAC in Nuremberg:
Congress Center Ost, Hall 7A, Stand 71**

Background: Weinmann

Weinmann Geräte für Medizin GmbH + Co. KG concentrates on its product lines Homecare, Emergency and Diagnostics. In these areas the Hamburg-based family business offers diagnostic, therapeutic and also life-saving devices and system solutions of the highest quality. Today it is in the hands of the Griefahn and Feldhahn families and its headquarters have been located in Hamburg-Stellingen since 1977.

Today the company has about 500 employees. With more than 100 patent families and 90 trademarks, Weinmann is among the leading providers of medical devices for home care, diagnostics and emergency medicine in Germany. Sales in 2006 were 63.2 million Euros. Weinmann's Production, Logistics and Service Center was established in Henstedt-Ulzburg close to Hamburg in 2006. Weinmann does business in more than 50 countries and operates branch offices in France, Switzerland, Thailand, China, Australia, New Zealand and Russia.

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