

Press Release from the Industrial Air Division

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Medical air purity beyond all expectation. The new mAIR Medical Air Plant from BeaconMedæs.

BeaconMedæs and Atlas Copco have combined their expertise and knowledge to launch a new generation of Medical Air Plant, which incorporates the new dMED Dryer System, GA-MED VSD compressor and ES-AIR Controller. We are proud to introduce the highest specification Medical Air System available on the market.

Function

The Medical Air System is used in every patient area within the hospital. The hospital's medical air supply is a vital life support service, from the Ward where medical air is used for drug delivery to the ITU where medical air maintains respiration for the seriously ill during mechanical ventilation. In addition, the Medical Air Plant provides Surgical Air to areas such as Operating Theatres, where it is used to drive pneumatic surgical tools.

GA-MED Compressor – High Efficiency Rotary Screw and VSD option

The mAIR incorporates a specifically engineered medical variant of Atlas Copco's industrial GA compressor, branded as the GA-MED. This is our highest specification rotary screw compressor and is highly suited for the demanding medical environment, where frequent stop/starting and cycling of compressors is common. As a hospital's flow demand can vary significantly, we now offer the GA-MED VSD screw compressor. This can offer significant energy savings by matching the speed of the compressor exactly to the demanded flow at any given time. The compressor starts slowly and gradually speeds up or down based on demand – rather than the traditional way of start/stopping and running at 100% whenever there is demand.

dMED Dryer – Surpassing the air purity requirements of European Pharmacopeia

Emphasis has been placed on reducing the footprint whilst offering the same levels of air purity and functionality of the previous generation dMED. Being the only UK manufacturer to include a hopcolite catalyst as standard, we can guarantee carbon monoxide levels will be beneath those stated in the European Pharmacopeia monograph, even in high urban areas. The dMED/sMED air purification system also includes the advanced ES-AIR controller.

ES-AIR Controller - Advanced Monitoring

When designing a new controller, improvements to the monitoring systems were essential. As standard, each motor control panel on the compressor and the ES-AIR (electronic sequencing) central controller can be connected to the hospital's LAN computer network. Live status of the plant can be monitored from any PC terminal including details of any system alarms, run hours, pressure of supply, dewpoint level etc.

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It is also possible to include additional hardware which enables SMS text alerts and email to be sent to the user programmed contacts. Additionally, user friendliness is enhanced with the easy to operate central plant controller with a 5.7" colour display. This controller system technology has also been incorporated into our mVAC Medical Vacuum plant system for a complete monitoring solution as well.

Conclusion

The mAIR system meets the requirements of UK Department of Health HTM02-01 and is CE marked according to the MDD 93/42, offering our customers long lasting peace of mind. With superior controls, high efficiency compressors, easy installation and maintenance the BeaconMedæS mAIR Medical Air plant is the leading product in its class.

Atlas Copco is a world leading provider of industrial productivity solutions. The products and services range from compressed air and gas equipment, generators, construction and mining equipment, industrial tools and assembly systems, to related aftermarket and rental. In close cooperation with customers and business partners, and with 136 years of experience, Atlas Copco innovates for superior productivity. Headquartered in Stockholm, Sweden, the Group's global reach spans more than 160 markets. In 2008, Atlas Copco had 34 000 employees and revenues of BSEK 74 (EUR 7.7). Learn more [at www.atlascopco.com](http://www.atlascopco.com).

BeaconMedæS is a global leader providing complete medical gas solutions, including medical air, medical vacuum, gas distribution equipment and pipeline components. BeaconMedæS has several assembly facilities plus an extensive sales and service presence throughout the world. In July 2006, BeaconMedæS was acquired by Atlas Copco and has since become the global competence center for medical solutions within Atlas Copco. More information on BeaconMedæS can be found at www.beaconmedaes.com

Industrial Air is a division within Atlas Copco's Compressor Technique business area. It develops, manufactures and markets oil-injected and oil-free air compressors, Quality Air solutions and monitoring and connectivity solutions worldwide, under several brands, for all kinds of industries. The division's focus and main drive is to further improve its customers' productivity. The divisional headquarters and main production center are located in Antwerp, Belgium.