

BeaconMedaes Introduces Next-Generation PMA Medical Air Supply System

September 12, 2023 – To meet hospitals’ need for custom-configured medical air systems, BeaconMedaes is introducing the next generation of its PMA Medical Air Supply System. The new PMA is a modular, compact solution that allows customers to choose their preferred Atlas Copco compressor type. Its proven technologies, state-of-the-art controller, and leak-free build ensure premium performance and reliability.

Optimal Compressor Technology

The next-generation PMA is an all-in-one duplex air purification system with a central controller. It is built using premium components, including an Atlas Copco compressor, an adsorption dryer with a very low dew point, a micro-structured carbon filter, optional Hopcalite filter, and an oil-water separator. The entire system is fully integrated to ensure premium efficiency with low pressure and dryer purge losses.

Easy Configuration with Modular Design

Thanks to its modular design, the PMA offers an easily configurable, bespoke package that meets customers’ exact requirements. They have the freedom to choose from a comprehensive range of Atlas Copco compressor technologies, including tooth, screw and scroll compressors in fixed-speed and variable speed drive versions for advanced energy savings.

In addition, oil-injected and oil-free compressor models are available, making the PMA suitable for a wide variety of applications: surgical air 7 bar or 10 bar (HTM), medical air 4 bar (HTM), combined 1 and 10 bar medical and surgical air system with external 4 bar pressure reduction set, and instrument air (NFPA).

Premium Technology, Optimal Performance

The next-generation PMA is also built for safe, dependable performance. Its stainless steel pipework ensures extra reliability and seal-tapeless connections for a unique leak-free operation. All serviceable elements are easily accessible, including the adsorption dryer for desiccant replacement.

Thanks to a new intelligent controller, the Mk5 Touch, the PMA offers easy operation and remote monitoring. With an HMI and color touchscreen display and real-time monitoring with SMARTLINK, collecting data and knowing the status of your system has never been easier.





Certification & Standards

The PMA meets all required standards including HTM 02-01 Medical Gases Health Technical Memorandum and ISO 7396-1:2016 Medical gas Pipeline Systems. It is system certified as EU MDR Class IIA Medical Device, as well as NFPA instrument air and European Pharmacopoeia. The all-in-one system including compressors is made at a facility certified to produce medical products according to ISO 13485.

Dmitry Karablinov, Global Product Manager for BeaconMedaes said, “The new PMA Medical Air Supply System delivers the bespoke configuration and performance today’s customers demand. It’s a highly efficient and reliable all-in-one solution they will be able to rely on for many years.”

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

