Press Release

BeaconMedaes Introduces MAT-S Automatic Manifold Changeover System

July 14, 2023 – BeaconMedaes is excited to announce the launch of its next-generation Automatic Manifold Changeover System, the MAT-S. The medical gas supply system combines a proven design with innovative new features to deliver premium performance and reliability as well as lower operational and maintenance costs.

Medical gas systems are of vital importance to hospitals. Safe, quality patient care depends on a constant supply of oxygen, nitrous oxide, medical air, and other gases. That is why BeaconMedaes designed the new MAT-S Automatic Manifold Changeover System to deliver superior reliability. It offers a higher utilization rate and uptime, so it can be used longer and more frequently. In addition, its smart features make it easy and efficient to operate and is compliant to all medical standards.

High Reliability
The MAT-S comes with a dome-bias regulator design that has proven its reliability and performance for more than a decade. It helps reduce connections by 50% and therefore also the risk of leakages.

A new, lightweight cover eliminates the risk of corrosion to ensure a long lifetime.

Low Operational and Maintenance Costs
The regulators of the MAT-S can be serviced without replacement, significantly lowering maintenance costs and time. Individual service valves allow servicing of any regulator without disrupting the gas supply, ensuring patients receive continuous care. Also, a 3-year warranty has been guaranteed.

High Gas Supply Utilization
The change-over pressure for a 4.0 bar MAT-S oxygen manifold is a low 10.4 bar, and for an 8.0 and 11.0 bar MAT-S oxygen manifold it is 20.0 bar. This gives customers a higher utilization rate and higher uptime, which means it can be used more frequently and for longer periods of time to save on operational costs.

Intelligent Control and Monitoring
The MAT-S comes as standard with a smart operating system. The controller features a 7” touch screen color display with a simple, clean and easy-to-use interface. The system also offers a host of unique control and monitoring features, such as alarm overviews and logs, a machine event history, a service mode and service reminders, secured access, and access machine information.

The all-new flow and pressure trend visualization is a true gamechanger. It allows customers to monitor their gas supply and plan cylinder refills accordingly. They can also analyze their gas

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consumption patterns and identify how they can make more efficient use of their gas supplies. Next to this, the built-in Smartbox allows real-time access to reports, monitoring and machine data.

Fully compliant

The MAT-S can be used for the primary supply of medical gases, including Oxygen, Nitrous Oxide, Entonox, Medical Air, Carbon Dioxide, Nitrogen, and Argon (only for NFPA). It can also provide back-up supply for medical or surgical air systems.

It comes in fully compliant HTM and NFPA versions and meets all applicable ISO and CSA standards.

Arjune Venkataramani, Global Product Marketing Manager for BeaconMedaes said, “As a leading specialist in medical gas distribution systems, BeaconMedaes has extensive experience in designing and building manifolds. With the MAT-S, we were able to combine a proven, trusted design with truly innovative features, such as the smart control system to give our customers exceptional value and performance. It allows them to meet their pledge to “always supply the patient” with ease and efficiency.”

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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, BeaconMeaes 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

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