

Continuous delivery of **clean, dry air**

Scroll Medical Air Systems



Medical Gas Management

Take control of your medical gas management with the next generation of TotalAlert 360 Touchscreen controls. An enhanced design, additional monitoring and trending, and connectivity with MyMedGas make these state-of-the-art controls your key to taking total control of your medical air system.

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Touchscreen Functionality

The high-resolution 10" touchscreen is simple and intuitive, featuring screens with easyto-read color graphics and icons displaying the system's vital information. With a glance, quickly understand the system operation and identify any alarms or warnings.

Finding information is simple and intuitive. Easily navigate between screens for in-depth information on system performance, maintenance, and history, enabling you to fully understand and ensure proper operation of your equipment.

Some of the system information you can easily find and evaluate:



The main screen with pressure, dew point, and CO display, with graphical images to quickly identify normal operation or cause for concern. Includes operating status of each unit, color-coded to identify units in use, run order, and availability.



Units screen with pertinent information for each compressor, showing run status, run hours, average daily run time, and average starts per hour.



The Alarms screen lists all alarms and shutdowns for each unit, providing current operating and alarm status individually, to quickly identify and evaluate what is occurring within the system. Create custom instructions for each event to ensure accurate and timely responses to all situations.



Proactive Systems Management

With the wealth of information available through the new **TotalAlert 360** controls, you can effectively manage your medical air system. Access trend graphs, history event logs, and maintenance schedules with a touch of the screen, to better assess the operation of the equipment and proactively plan to maintain it.

Use the Units Usage and Trend screens to evaluate the performance of the system, providing you with intelligence on how the system is responding to the medical air demands of the facility. With trend graphs from sixty minutes to six days, clearly understand exactly how often and for how long each unit is running to respond to demand and use the information to evaluate the capacity of the system for the future.







Verification and annual testing are made with ease using the Testing alarms screen, allowing the inspector to actively set off each alarm circuit with a push of a button. Testing is then recorded in the event log which can easily be downloaded in MyMedGas for record keeping.

⊙ 12:32 PM ∦ 78 °F

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	Date	Time	Event	
	2021-08-26	16:30	Shutdown reset - Unit 1	
	2021-08-22	10:30	Shutdown reset - Unit 2	
	2021-08-20	18:26	Shutdown reset - Unit 5	
	2021-08-16	14:12	Shutdown reset - Unit 1	
	2021-08-14	22:56	Shutdown reset - Unit 2	
	2021-08-14	22:56	Shutdown reset - Unit 2	
		System	Uryers Alarms	

Service Cabinet 78 *F .lı ÷ \odot Testing Events History Maintenance C () \$ Diagnostic System Information Units Rotation m User Manuals **11**0 ... \$

Connectivity

Connectivity for total remote management is so easy.



MyMedGas

Simply log into MyMedGas and manage all your source equipment. No cables to run and operate on the facility's network, connectivity is cloud-based with data transmitting directly to your MyMedGas dashboard. Manage your equipment from your desktop effortlessly with loads of information from each piece of equipment clearly displayed on your device. Quickly download event and maintenance logs for record keeping in MyMedGas, so you have full control of your equipment.

BACnet

Another means of connecting the new TotalAlert 360 Controls is through BACnet/IP. With an Ethernet connection point at the top of the panel, connecting to the facility's network is a snap. With the BACnet activation included with the system, you can simply bring all data points and alarm points over to the Building Management System, the main hub for facility management. disassembly for serviceability

Easy tower

Anodized aluminum base block

> outlet filtration 441[™] tower transfer valve

441[™] Transfer Valve



Clean, dry medical air

The LifeLine medical air dryer delivers clean, dry medical air all the time.

- · Unique aftercooler design ensures dew point performance.
- High efficiency, two-in-one coalescing filter protects your medical air delivery.
- Dryer repressurization cycle adds additional safeguards.

Dryer efficiency – Dew point purge

The LifeLine heatless desiccant dryers utilize dew point dependent purge control to guarantee the lowest possible energy losses for desiccant regeneration while delivering a totally stable and reliable dew point.

- Purge air is minimized with tower switching based on dew point readings
- · Energy consumption based on medical air demand

The drying towers are sized specifically for peak calculated demand in medical air applications and capable of producing a -10 pressure dew point.

- LifeLine dryers don't waste energy, footprint, or desiccant to achieve unnecessarily low dew points.
- With smaller towers, less purge air is required to regenerate the drying towers, saving you additional energy dollars.

Premium components

The 441[™] transfer valve remains the heart of the LifeLine dryer.

- Two sliding ceramic plates that form a nearly perfect, almost indestructible seal.
- Wipe themselves clean of any particulates that typically destroy ordinary valve designs.
- · Maintenance free valve with extraordinary reliability.
- · Tight seal eliminates costly loss of air.

Simplicity

Designed for efficiency in the medical air system, the LifeLine medical air dryer's simple design begins with a machined, anodized aluminum base block.

- Leakfree and low pressure drop in the drying process saves compressor power.
- Major connection points feature flanged fittings, ensuring even fewer potential leak points and avoiding wasteful air losses.



Ease of installation

Electrical connections

The control panel comes pre-drilled to make the electrical connections as safe and quick as possible. Connections for main power, alarm contacts, and Ethernet are easily accessible. No metal shavings from hole drilling to damage the system.

Disassembly of system

All Scroll systems are designed to fit through standard doorways. The larger Scroll systems can quickly be disassembled for transport. Reassembly requires few steps with mistake-free reconnections ensuring your system is wired exactly as it was intended.

Inlet/outlet connections

The Zero Loss Electronic drain valve ensures that your drains are fully cleared without wasting any of the air, adding to the overall cost-efficiency of the Scroll Medical Air System.



Aftercooler design

The Aftercoolers have separate cooling fans from those used for cooling the compressors. Individual fans ensure temperatures to the dryer of 15 degrees above ambient. Another insurance that the dryers will operate as designed, providing low dew point medical air.

Fittings and connections

Anodized aluminum blocks and flanged fittings are utilized throughout the air stream design. Flanged and O-ring type connections make servicing the system a snap and prevent costly leaks in the air stream.

Zero loss electronic drain

The Zero Loss Electronic drain valve ensures that your drains are fully cleared without wasting any of the air, adding to the overall cost-efficiency of the Scroll Medical Air System.



Maintenance made simple _____

Scroll towers

While minimizing footprint, the tower design allows ease of access to all sides of the compressor, motor, belts, and aftercoolers. Belt adjustments are easy to make. Greasing bearings and tip seal changes are much more efficient and can be performed on site.

Dryer towers

Desiccant towers are easy to reach and simple to remove for service. Inlet and outlet filter cartridges are easily reachable and removable without obstructions. Basic servicing does not require extra steps or items to remove.

TotalAlert 360 control panel

The TotalAlert 360 control panel features an intrinsically safe 24v within the panel. Service personnel are at less risk while performing maintenance tasks with the control panel. With the edition of TotalAltert 360 control boards, there's even less wiring in the control panel.

Space saving configurations

BeaconMedæs offers the Scroll in a variety of formats designed for ease of installation, maintenance, and above all, to save space over most other compressor types and configurations.

System start up

For every Scroll installation, an authorized BeaconMedæs service technician provides the system start-up. With critical functions relying on the medical air system, BeaconMedæs ensures the system's proper installation and functioning during start up.

- Proper system operation is assured
- · Time and money savings if problems occur at start up
- · Elimination of potential warranty issues in the future

Preventive maintenance

The efficient operation and service friendly design of the Scroll Medical Air Systems keep maintenance interventions to a minimum in both frequency and time. Effective service access combined with extended service intervals reduces maintenance downtime and compressor availability

- · Low level of consumable parts
- · Direct access to all service points
- · Service warning function available via the TotalAlert 360 controller
- BeaconMedæs Planned Maintenance Program available

10-20 HP Triplex - Quad (Quad shown)











Life is in the details.[®]



