GEA Omni™ control panel – retrofit program

Upgrade to industry-leading control technology
The Intuitive Touch for Refrigeration and Gas Compression Control Technology

GEA is synonymous with precision-engineered solutions, and the GEA Omni™ control panel extends its history of leadership and innovation. Featuring a high-definition, multi-touch screen, GEA Omni delivers the ease of use and technical wow factor that industry professionals have come to expect from GEA. Powerful, yet approachable. Cerebral, yet intuitive. Sophisticated, yet simple. Simply – GEA Omni.

Third-Party Compressor Compatibility
GEA continues its long tradition of innovation by continuing to enhance its control panel offering to replace existing controls for most screw, reciprocating, rotary and centrifugal compressors. The GEA Omni control panel can control many manufacturer’s compressors:

- GEA, Mycom, Howden, Dunham-Bush, Kobe, Sullair, Frick, Sabroe and Stal twin screw compressors in single, dual and two-stage arrangements
- Vilter and Hall single screw compressors
- GEA, Vilter, Mycom, Sabroe and Frick single and compound reciprocating and Fuller rotary compressors
- Carrier and York centrifugal compressors

Integration
A dedicated network can be built using only a standard Ethernet switch and CAT5 cable running to each GEA Omni (or GEA GForce™) panel and remote viewing computer. GEA Omni satisfies typical industrial communication standards (e.g., Modbus TCP, EtherNet/IP, Modbus RTU, and Allen-Bradley DF1) for purposes of data exchange with both auxiliary and supervisory control system components. Moreover, a standard Ethernet interface is provided that enables the use of wireless technology and smart phone or tablet viewing capability. Authorized service staff and service companies can access the control system remotely. GEA Omni can also send email and text message notifications.

Nema 4 or 4X available, as well as UL-approved Class I, Div II, Group B/C/D Hazardous Location option. Field connection wiring is easily accessible in a dedicated section of the control panel.

GEA Omni’s Energy Saver function allows operators to evaluate system energy usage and adjust for maximum benefits.
Custom Control
A single GEA Omni screw or reciprocating/piston control panel, configured to monitor and control one compressor, can also be configured to:

- Sequence other compressors
- Control and monitor up to ten reciprocating compressors
- Maintain head pressure
- Maintain evaporator zone temperatures and control defrosts
- Monitor and control vessels/pump packages
- Provide chiller control
- Monitor refrigerant leak detectors

Support
Quick access to invaluable, on-screen tools:

- Maintenance tracking and alerts
- Historical trending
- Manuals, drawings and videos
- Ability to upload user-generated materials
- Diagnostic tools and troubleshooting aids
- Vibration monitoring (optional)
- Motor temperature monitoring (optional)

Security
GEA Omni provides three levels of security: Operator, Service and Administrator.

- Up to 25 unique users can be created, each with a customizable view of operating data
- Each unique user’s login history and actions are recorded in the panel for auditing purposes
- The temporary administrator level is valuable for making quick configuration changes during commissioning without contacting GEA

One Global Product – GEA Peace of Mind
Manufactured in North America, Europe, and Asia, GEA Omni consists of a single design engineered to meet the needs of a global customer base. Preconfigured in more than 25 languages, GEA Omni carries the benefit of global sales and support. Operators rest easy knowing their facility is controlled by a product that is invented, manufactured, and backed by the worldwide leader in refrigeration and gas compression control panel technology.

The GEA Omni retrofit kit includes all the items necessary for easy installation and on-site configurability, with minimal downtime. The USB memory device includes the latest software release. In addition, lifetime factory software updates – along with panel documentation – further enhance the value of the retrofit kit.
We live our values.
Excellence • Passion • Integrity • Responsibility • GEA-versity

GEA Group is a global engineering company with multi-billion euro sales and operations in more than 50 countries. Founded in 1881, the company is one of the largest providers of innovative equipment and process technology. GEA Group is listed in the STOXX Europe 600 Index.