



Do It All, With One Panel and One Program

Built-In!

The Universal Program of the Quantum™LX control panel provides unmatched versatility from a single program platform.

Easy To Use

The **Quantum™LX** control panel is easily configured to control virtually any rotary screw or reciprocating compressor in use today. Simply select the compressor type to enable all applicable compressor controls. Simplify your maintenance and inventory processes with the One Panel, One Program approach available only with a **Quantum™LX** control panel.

Field Retrofit

- In addition to retrofitting Frick® compressors, the **Quantum™LX** control panel is used extensively to retrofit the following rotary screw compressors: **Dunham Bush • Mycom** (Fixed or Var. Vi) • **Howden • Stal • Sullair • Kobe** (Fixed or Var. Vi) • **FES/GEA • Vilter** (Dual Rotary Screw)
- The **Quantum™LX** control panel also retrofits Reciprocating Compressors, such as **Vilter • GEA/FES • Mycom and Sabroe** to name a few. Capacity control, with up to 3 steps of loading (energize or de-energize to load and unload).

Lower Costs

Better control equates directly to energy savings which lowers operating costs. The **Compressor Sequencing** feature, **Built-in** to every **Quantum™LX** control panel, ensures the most efficient use of your compressor systems at any load condition.

Load Profiling

The **Quantum™LX** control panel is capable of compiling your compressor's Part Load profile. This information is very helpful to accurately determine when retrofitting a variable speed drive will provide energy savings that meets your expectations.

Quick Lead Times

The Universal Program within the **Quantum™LX** control panel means never having to wait for programming to be completed for your new **Quantum™LX** control panel to ship. **Same day shipping is available!**



Standard Software Features

- Compressor Sequencing (3 systems, 8 compressors per system)
- 4-Step Condenser Control (Digital with 2 analog outputs for VFD Control)*
- PLC I/O Interface (Start, Stop, Load or Unload from a digital PLC output)*
- **VMax** Economizer Optimization System
- Additional Digital and Analog Inputs*
- 8 Proportional/Integral Control Loops (Reverse or Forward action)
- 8 Analog Outputs (4-20mA)...

...Just To Name A Few...Contact Your Frick® Sales Representative For More Details.

*Certain software features may require additional hardware, refer to Frick® publication S90-130 I.

Analog Input Devices – ICTD, 0-5vdc, 1-5vdc, 0-10vdc, 4-20mA, 0-20mA, CT and Potentiometer

Ethernet Communications – AB Ethernet IP, Modbus TCP and Remote Access via Web Browser.

Serial Communications – Frick ASCII, Modbus ASCII, Modbus RTU, and Allen Bradley DF1 (Full or Half Duplex), either by RS-422 or RS-485 configuration.

Ready Today for Tomorrow's Needs

The **Quantum™LX** control panel packs the most powerful single program platform in the industry, allowing you to "Define Your System's Future". After start-up of your system, you may realize that your system needs an additional feature. While you can add features with other manufacturers, this usually comes with a charge. **Quantum™LX** control panels are different; there is no worry or wait, because most every feature you could want is already **Built-In!**

Frick®

BY JOHNSON CONTROLS

“The Trifecta of Compressor System Efficiency”
Frick® RWF II Screw Compressor
Quantum™LX Control Panel and Vyper™ Variable Speed Drive



***Maximize Your Compressor System Efficiency By
Optimizing Capacity With Speed Control !***

5:1 Speed Turndown - Best In The Industry

Remove Overshoot • Optimize Economizer Boost • Maintain Ideal Volume Ratio

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