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# СИСТЕМЫ АВТОМАТИЗАЦИИ

## ТЕХНИЧЕСКОЕ ОПИСАНИЕ

### Xe-70M Series Rotary Compressor Controller



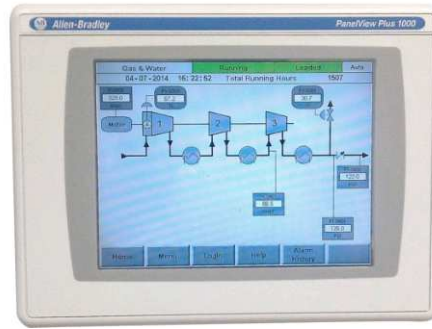
Designed for rotary screw compressors, the new Xe-70M controller provides you with a full asset control and superior connectivity. It allows for easy diagnostics that lead to less down time for your compressed air system and helps you increase productivity due to automated data logging and report generation. ; Clear, intuitive navigation ensures ease of use and automated email notifications provide you with a peace of mind that your system is running as it should!

### Xe-90M Series Rotary Compressor Controller



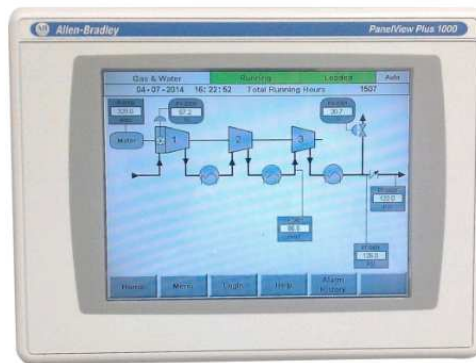
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## MAESTRO PLC CUSTOM CENTRIFUGAL COMPRESSOR CONTROL SYSTEM



Custom PLC-based systems are used for packages with high input/output (I/O) counts, multiple gas circuit control loops, and multiple processes. PLC solutions available from most major industrial suppliers. Our engineers can design, program and supply your specified PLC system mounted and wired to any compressor package.

## MAESTRO PLC-R2 CENTRIFUGAL COMPRESSOR CONTROL SYSTEM



The MAESTRO PLC-R2 is an Allen-Bradley based PLC control system with proprietary software developed for out-of-the box setup and configuration. It provides the flexibility of PLC architecture without the hassle of complex programming and hardware requirements.

## MAESTRO UNIVERSAL CENTRIFUGAL COMPRESSOR CONTROL SYSTEM



The MAESTRO Universal is the standard control system selected for new TURBO-AIR compressor builds. It is a microprocessor-based system with many unique, energy-saving features.

## XE-SERIES CENTRIFUGAL COMPRESSOR CONTROL

The Xe-Series controller's intuitive, high-resolution color display makes important compressor information quick and easy to find. The controller can post information on local web pages and can even send an email notification when it detects a problem. Xe-Series controls features useful timers and alerts that indicate when maintenance is necessary to help optimize care of your investment. Xe-Series controls utilize the

latest control algorithms and built-in logic to provide the lowest energy consumption in every situation while precisely managing discharge pressure and maximizing throttle range. ; Click here to view a demonstration of the Xe-145F Controller



## **XE-145M SERIES ROTARY COMPRESSOR CONTROLLER**



Designed for rotary screw compressors, the new Xe-145M controller provides you with a full asset control and superior connectivity. It allows for easy diagnostics that lead to less down time for your compressed air system and helps you increase productivity due to automated data logging and report generation. ; Clear, intuitive navigation ensures ease of use and automated email notifications provide you with a peace of mind that your system is running as it should!

## **E-50M SERIES ROTARY COMPRESSOR CONTROLLER**



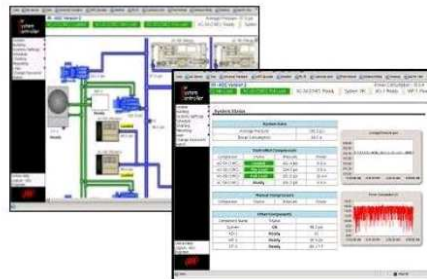
Designed for rotary screw compressors, the Xe-50M controller provides you with a full asset control and superior connectivity. It allows for easy diagnostics that lead to less down time for your compressed air system and helps you increase productivity due to automated data logging and report generation. ; Clear, intuitive navigation ensures ease of use and automated email notifications provide you with a peace of mind that your system is running as it should!

## **VISUALIZATION (VX)**

Simply add a VX Module to any X8I or X12I network, complete some basic configuration, connect to your Local Area Network (LAN) and view your compressed air system on your PC. No special software is required - just use a standard web browser such as Internet Explorer. With System Visualization you can monitor critical system and equipment parameters, drill down to individual compressors to view operational status and be alerted to any alarm messages. Additionally, depending on security level, users can custom configure the pressure control set points, the compressor sequence and schedule, select compressor utilization priorities and even some special remote control functionality... all from a connected PC. Managing and viewing your compressed air system has never been easier!



## AIR SYSTEM CONTROLLER (ASC)



The Air System Controller (ASC) is a system automation product developed specifically for complex compressed air systems and the integration of virtually all equipment and instrumentation found in air systems throughout a broad range of industry. The primary goal of the ASC is to provide data acquisition and display for health monitoring and energy management for control and air system optimization.

## INTELLIFLOW



As much as 20% to 60% of the energy used to operate compressed air systems is wasted! One of the major contributors to this waste is operating air systems at elevated pressures. Well known is the fact that compressed air, stored at higher pressures, can provide a capacitance effect for sudden high volume demands. Less known is that higher pressure storage, that is not properly controlled and managed, will result in not just the additional energy to compress to a higher pressure (0.5% energy for every 1% pressure increase), but also significantly higher air consumption from all compressed air users (in some cases up to 12% more)! The application of Ingersoll Rand IntelliFlow control effectively uses system storage to compensate for high, random air usage and avoids the need to increase the entire system pressure. Similarly, the IntelliFlow control also eliminates the need for compressors to be loaded start or short cycle due to the same high, random air usage.

## PACE FLOW CONTROLLER



The Costs of Unmanaged Pressure; Most compressed air systems experience fluctuating demand, which can cause unstable system pressure and require compressors to cycle on and off. ; The typical response to this issue is to overcompensate by adding additional compressors and/or increasing the overall pressure in a system. ; The unfortunate results of these approaches are increased operating costs, more air loss due to leaks, and increased damage to compressors and point of use tools. Maximize Your Efficiency; The PacE Pneumatic Flow Controller creates a buffer between air supply and air demand. ; This allows for more effective use of air storage and a continuous response to demand fluctuations to actively stabilize system pressure. ; Thereby eliminating the requirement to turn on extra compressors or to increase system pressure... ultimately saving you money.

## AIRSCOUT FLOW METERS



## FEATURES

- 3-in-1 tool measures flow, pressure and temperature
- Standard bi-directional flow
- Displays include 2 million-point data logger

## Configurations for Any Installation

- Temporary assessments
- Permanent monitoring systems
- Pipe sizes 0.5" and larger
- Suited for rotary, centrifugal and reciprocating technologies

## Variety of Display Options

- Powerful data analysis software
- Multiple display options
- Built-in LCD display available
- Modbus RTU, 4-20 mA and pulse
- Connectivity to X-Series system controls

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