

Air  
Assessment

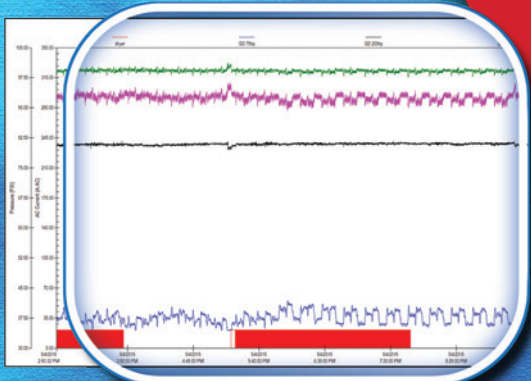
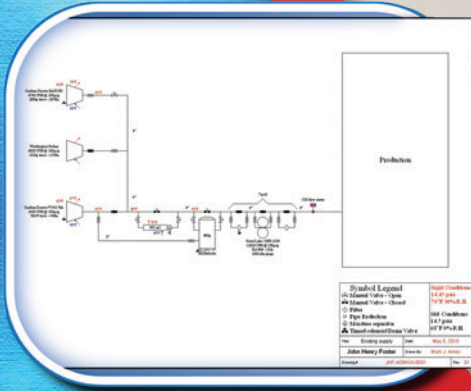


**John Henry Foster**

pneumatic and hydraulic equipment

# Get the Most from Your Compressed Air

Complete Control  
Maximum Performance  
Total Compressed Air System Optimization



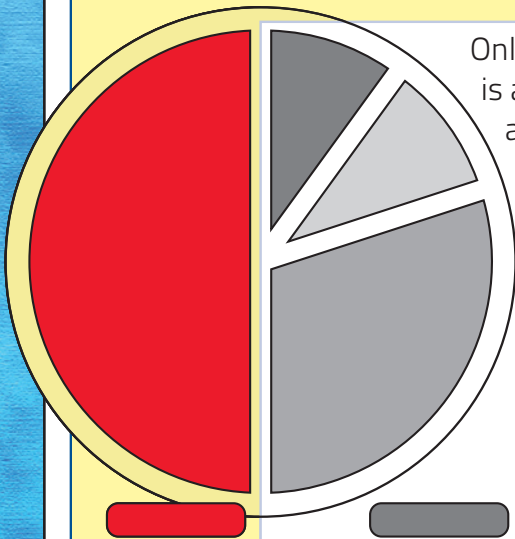
Reduce operating costs  
Improve Manufacturing Productivity  
Reduce Capital Spending  
Save Energy...

With the cost of energy dramatically increasing, optimizing your compressed air system has never been more important. Fortunately, identifying potential savings and sustaining maximum efficiency has never been easier. Realize your compressed air system's full potential and experience real savings.

**On average 50% of compressed air is wasted**

Only 50% of the compressed air produced is appropriately utilized based on national averages. The remainder is lost to:

- ✗ Improper Use
- ✗ Improper Application
- ✗ Inadequate Piping and Storage
- ✗ Improper Pressure Settings
- ✗ Compressor & Control Selections
- ✗ Piping Leaks
- ✗ Multiple Compressor Schemes
- ✗ Compressor Room Environment
- ✗ Lack of System Maintenance
- ✗ Inappropriate Contaminant Removal Systems

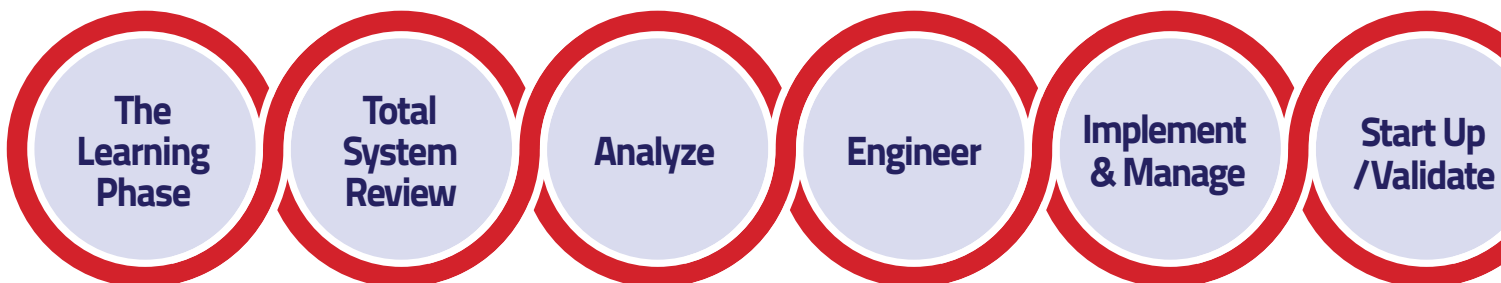


Production    Inappropriate Uses    Artificial Demand    Leaks

**John Henry Foster Air System Assessments – A new standard in compressed air audits**

Your compressed air may be costing you more than you realize. John Henry Foster air experts will complete a total air system assessment and help you realize true savings for years to come.

**A Different Approach to Peak System Performance**





## Process Makes Perfect



### The Learning Phase — Discuss, Understand & Align

- Get to know your system & requirements
- Align our capabilities with your ultimate objectives

### Total System Review — Measure Supply & Demand

- Measure supply flow with a series of tests with amp clamps and pressure transducers to ensure efficient operation
- Determine pressure deltas both on clean-up equipment and in remote areas of the facility to determine if changes are necessary.



### Analyze — Compare Current & Potential Performance



- Correlate and compare supply flow to potential flow
- Explore potential modes of control on the compressors to increase efficiency
- Review alternatives for additional/replacement equipment (dryers, compressors, etc) or components for maximum productivity.

### Engineer

- Develop a performance specification
- Create drawings and scope of work for the project
- Determine any possible technical issue



### Implement & Manage

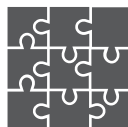


- Manage delivery schedule
- Manage contractor schedule
- Communication cadence between all interested parties

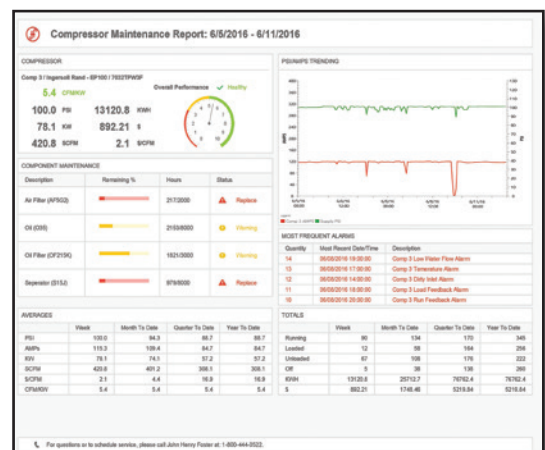
### Start-Up/Validation

- System set-up
- Train facility personnel on proper use
- Provide Validation report outlining savings

### Sustain



- Maintain performance
- Provide Technical Assistance
- Regular follow-ups

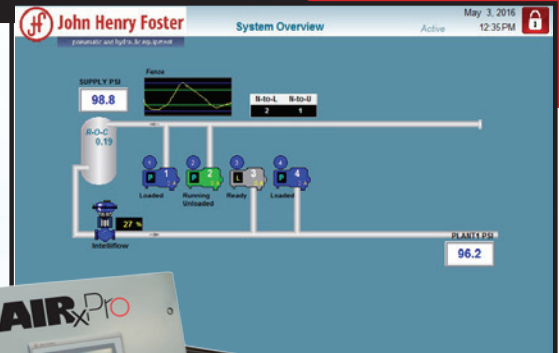


Sustain

## John Henry Foster Compressed Air Automation A Customized Compressor Automation Controller

Demand total control with John Henry Foster's Automation compressor control system — **AIRx** and **AIRx Pro**. This innovative, yet simple-to-use controller, allows multiple compressors to work together as a team, to save energy and provide stable, dependable air for your manufacturing processes.

- Unlimited number of entry points
- Up & downstream compressor control
- Easily adjustable sequencing
- Single pressure input for total system control
- Multi-level login credentials for security
- Full alarm history
- Latest Allen-Bradley PLC controller for dependability
- Open Architecture
- Unlimited number of compressors
- Built-in adjustable timing
- Customized labeling of components
- Rate of change
- Test screen to confirm interfaces
- VFD/Nirvana Control
- Inputs for amps, pressure, temp, dew point, flow, etc.
- Modbus communication for health/maintenance monitoring
- Customized display
- Interface with all OEM Compressors
- Dryer Interface and control
- Handshaking capabilities with local HMIs



### Complete Solutions for Total Control

With innovative products and full-service expertise, John Henry Foster has the solution for your compressed air applications. Offering a full line of compressors, accessories and components, we'll put you in control of your compressed air system.

Our local, extensive sales and service team will provide total support to ensure that you achieve maximum performance.

### About John Henry Foster

John Henry Foster Company is a full-line fluid power distributor with territories covering parts of Missouri and Illinois and is the Midwest leader in fluid power sales. We have been serving our customers in Missouri and Illinois for over 70 years! Please visit [www.jhf.com](http://www.jhf.com) to learn more about us.

**314-427-0600**  
**[www.jhf.com](http://www.jhf.com)**