

Professional Gardner Denver Air Audits

Providing environmental & energy efficiencies



*air***INSITE** 

Advanced Compressed Air
Energy Analyzer

GD
GARDNER DENVER™

Experience Proven Results™

Get the best from your compressed air system

With increasing energy costs a fact of life, the performance and efficiency of compressed air systems have never been more important. Potential energy savings not only reduce the environmental impact of your business, they also improve your bottom line.

Gardner Denver Plant Air Audit: What's in it for me?

Gardner Denver Audits provide complete air auditing services for compressed air systems:

- ✓ *Reduce capital spending*
- ✓ *Reduce your carbon footprint*
- ✓ *Save money & energy*



Where are the savings made?

SUPPLY SIDE

10 to 20% of the savings can be commonly found on the supply side of a compressed air system by identifying areas of improvement in:

- Equipment
- Technology
- Controls
- Monitoring
- Equipment maintenance
- Installation issues

DEMAND SIDE

A further 20 to 30% of savings can be commonly found on the demand side of a compressed air system by identifying areas of improvement in:

- Compressed air leaks
- Artificial demand
- System dynamics
- System design
- Monitoring & sub-monitoring



Insist on accuracy...

Gardner Denver Air Audits are performed to the highest standard!

- Delivering detailed reports and analysis of your compressed air system
- Identifying improvements in your compressed air system through system performance optimization, leak reduction and practical air management processes

...and rely on the most advanced technology!

Gardner Denver's latest cloud-based software data logging solution

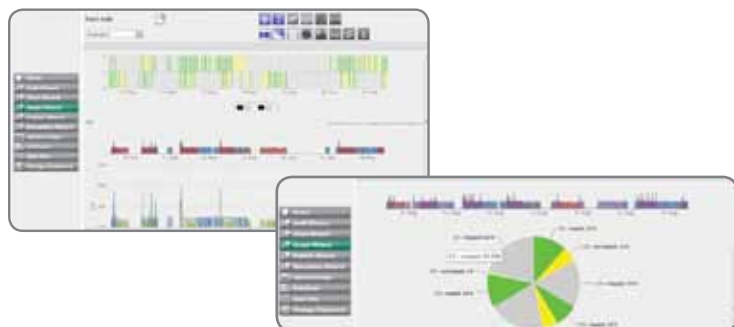
- Combining unique application expertise with proven hardware and software platforms to deliver the complete, value-adding analytics service


Gardner Denver **airINSITE** has the capability to measure:

- | | | |
|---------|---------------------|----------------------|
| • Amps | • Pressure | • Any 4–20 ma signal |
| • Volts | • Pressure Dewpoint | • Actual flow |
| • Kw | • Temperature | |

Our **airINSITE** data loggers incorporate high quality sensors to collect and store information relating to a system's pressure, temperature, pressure dew point and flow rate. Our current and voltage loggers enable true power to be accurately measured, with power costs calculated using these figures. The latest software technology allows us to analyze, chart, graph and prepare professional audit reports. Simulation wizards allow us to show you cost savings by simulating the use of different compressor configurations, of both fixed and variable, against your existing compressor volume.

✓ Savings have never been so easy!





Whatever Your Request – Gardner Denver Has the Smart Solution!

The **Gardner Denver rotary screw compressors** range from 5–500 horsepower, is designed to meet today's modern work environment and machine operators' highest requirements. As a result, Gardner Denver compressors are extremely energy efficient, quiet and reliable.

Oil-free Gardner Denver EnviroAire rotary screw compressors (15–110 kW) provide high quality and energy-efficient compressed air for use in a wide range of applications. The totally oil-free design eliminates the issue of contaminated air, reducing the risk and associated cost of product spoilage and rework, particularly for those customers operating in sterile environments.

Modern production systems and processes demand increasing levels of air quality. Our complete **air treatment range** ensures the highest product quality and efficient operation.

Our product range includes:

- Refrigerant Dryers
- Desiccant Dryers
- Membrane Dryers
- Condensate Management
- Oil/Water Separators
- Air Filters

Compressor systems are typically comprised of multiple compressors delivering air to a common header. The combined capacity of these machines is generally greater than the maximum site demand. To ensure the system is operated to the highest levels of efficiency, the use of a **GD Connect air management system** is essential.

- The modern **GD Connect 12** air management system can intelligently control up to twelve fixed speed or variable speed compressors.
- The simple **GD Connect 4** air system is the ideal control solution for smaller compressed air stations, and will intelligently control up to four fixed speed compressors.

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