airleader
Compressor Management

efficient – transparent – effective

Compressor Master Control and Online Monitoring

- ***Improve* energy efficiency**
- ***Steady and tight* pressure band**
- ***Increase* system reliability and productivity**
- ***Provide* system transparency and feedback**
- ***Reduce* maintenance costs and system wear**
- ***Lower* carbon footprint**

affordable - sustainable

6 Performance Features to ensure efficiency and safe operation

Intelligent "Self-Learning" Control

Designed to continuously balance demand and supply, enabling the most efficient compressor combination to work at all times. A permanent consumption calculation continuously ensures efficient operation of interconnected compressors.

Transparency

Unlike traditional control systems, crucial efficiency related parameters are visually displayed. This provides a transparent log of the behavior of the compressor station and its ongoing efficiency.

Consumption Display

Display of true compressed air costs/day; load costs, idling costs; absolute cost transparency.

Worldwide Access

Complete data access is available at anytime, anywhere via the internet using a graphic display format or through a tabular report. History can also be retrieved including consumption, pressure and compressor status (load, idle operation, failure, standby, off, free air delivery of speed controlled compressors).

Maintenance Reminder Function

System automatically issues service interval alerts.

Multi Functionality

The connection of various peripheral equipment (e.g. temperature sensors, flow meter, pressure transducer, differential pressure transducer, dew point, plant pressure profile, operating state of dryers, air less drains, filters, etc.) is easy.

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Efficiency Display Options at a Glance

Statistical Data

Load/idle graph clearly shows savings.
Simply mouse click on the desired time period and choose from the display options:
•specific performance & compressed air costs

Specific Performance Online

The **Airleader** enables you to immediately check ongoing energy costs, helping to maintain benchmarked values.

Long Term Trending

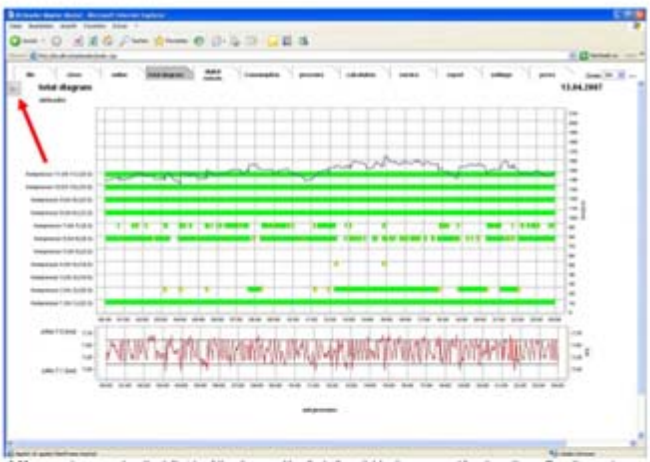
Assures sustainable system settings and helps qualify and quantify new investments.

Any Number of Users

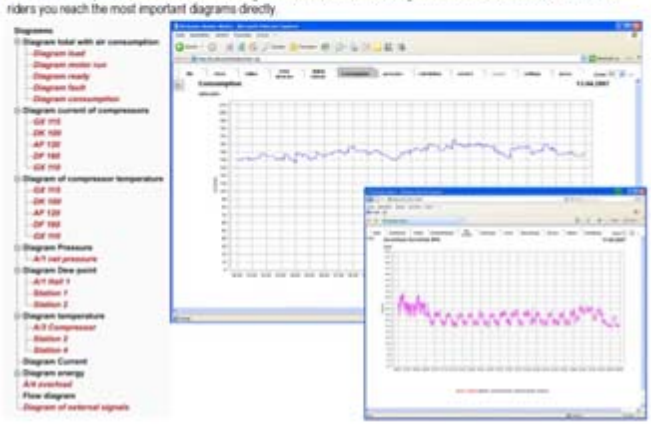
Up to 50 users can access the online visualization using a web server without any loss of speed.

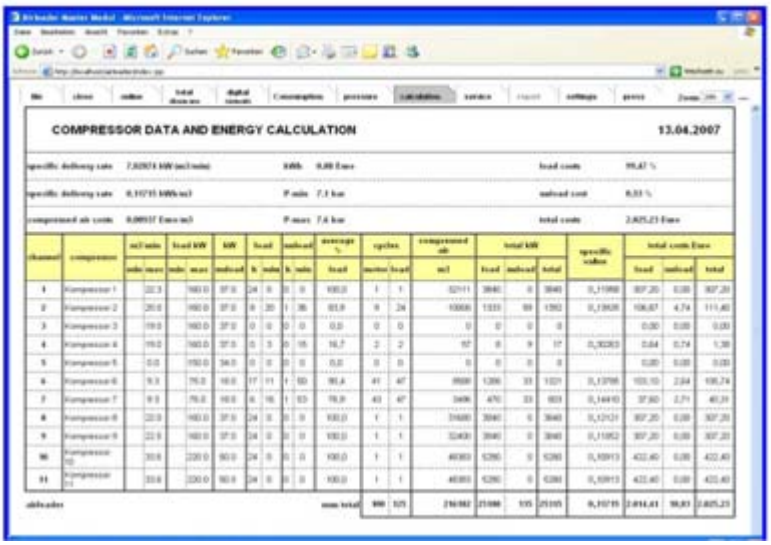
Easy Programming via PC

Web-server Plus is designed for user friendly remote programming.



A Menu can be opened on the left side of the diagram. You find all available diagrams and functions there. Over the card riders you reach the most important diagrams directly.





Compare Days, Weeks and Months

Data is calculated in high resolution, 1 x / second, and displayed graphically, enabling precise evaluation of the entire compressed air station.

Temperature, Pressure, Dew Point and Flow Graphs

A multitude of sensors can be easily connected (4-20mA) and displayed in graphic high definition. Excess of limit values cause alert messages to be generated - via email, fax or SMS according to individual requirements.

Extreme Zoom Function

All curves can be zoomed in up to 1 minute intervals. Short spikes are detected and shown in a comprehensive manner.

Technical View of Compressor Station

- *Detailed view of consumption*
- *Detailed view of performance*
- *Detailed specific performance*
- *Energy calculation*

Key Performance Data

The **Airleader** tracks all key performance data, including load and idle operation hours, consumed kWh, generated air, specific performance, energy costs in local currency, motor starts and load changes.

Long Term Monitoring

The integrated memory has a storage capacity for at least 2 years worth of data for system with 16 compressors.