

Intelligent control systems

Compressor control systems

Overriding control systems

**Central instrumentation
and control**



Intelligence, innovation, reliability

Intelligent control systems

considerably reduce power costs

think, monitor, document

plan maintenance in advance

make the compressed air supply reliable

integrate the compressed air station into central instrumentation and control systems

immediately make existing compressed air stations more cost-effective



With the ALMIG control family AIR CONTROL, MULTI CONTROL and PLANT CONTROL you can control, manage and monitor your entire compressed air supply.

Thanks to the use of the latest microprocessor and communication technology, all compressor models and the entire range of accessories can be incorporated in your process without any problems.

The perfectly matched ALMIG control family offers you an inexpensive solution for

- cutting down costs significantly
- achieving operational safety
- ensuring the availability of compressors and accessories



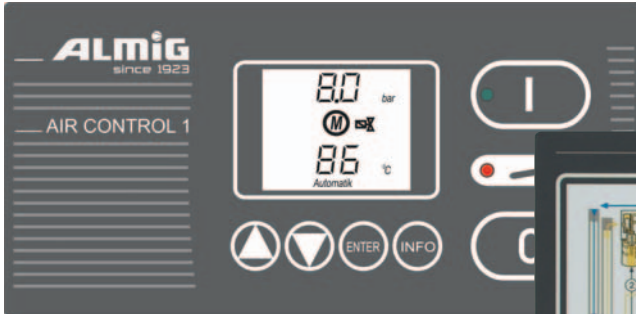
Intelligent compressed air ... everywhere ■ ■ ■ Intelligent compressed air ... everywhere ■ ■ ■

Compressor Controls

The brain of the compressor

Air Control 1
Air Control 3

Thinks, controls, documents!
Intelligence in all series



Air Control 1:

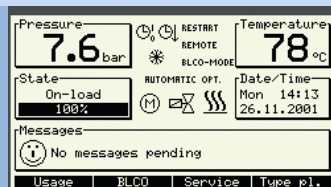
- Microprocessor control
- User guidance with number keys and LCD display
- Symbol display of all important operating states
- Automatic selection of the best operating mode
- Display of maintenance intervals
- Fault memory
- Connection to overriding control systems
 - Multi Control
 - Plant Control

Air Control 3:

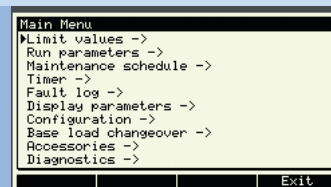
“even more efficiency in all series”

- Microprocessor control with illuminated graphic display
- Menu-supported user guidance
- Simple connection to all accessories
- Can be integrated into the instrumentation and control systems of the customer
- Timer programming for optimum adjustment to your operational requirements
- “System pass” – the visiting card of the compressor
- A large range of language versions is available
- Various graphic representations can be called, for example, produced volume flow as daily or weekly profile
- Base load changeover switching (optional)

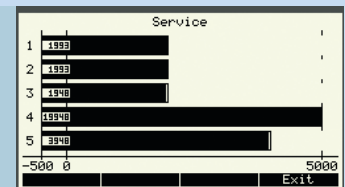
Clear display (AC 3)



Simple user guidance (AC 3)



Graphic representations (AC 3)

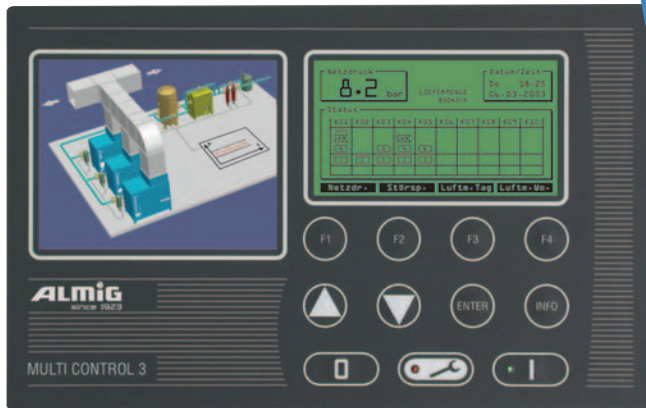


Overriding Controls

Multi Control

An overriding control system

For consumption-dependent control of your compressed air station,
irrespective of the manufacturer



ALMIG
Monitor inside

- User-friendly configuration with large graphic display and plain text messages
- Quick information about the operating state of all connected compressors
- Graphic display of power and consumption profiles

- Consumption-dependent control of up to 10 compressors
- Speed controlled compressors can be incorporated
- All compressors operate in the same pressure range, ensuring significant power savings
- Base load changeover is possible
- Allocation of priorities
- Management of accessories
- Leakage detection
- Simple connection to overriding control systems
 - Plant Control
 - Modbus
 - Profibus

*cut down no-load operation costs
reduce the pressure range*

save power

minimize operating costs

save, save, save



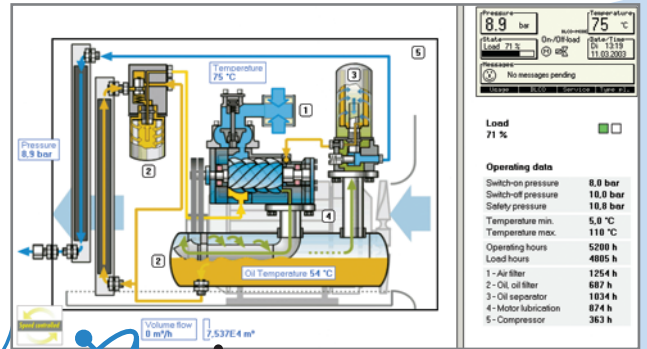
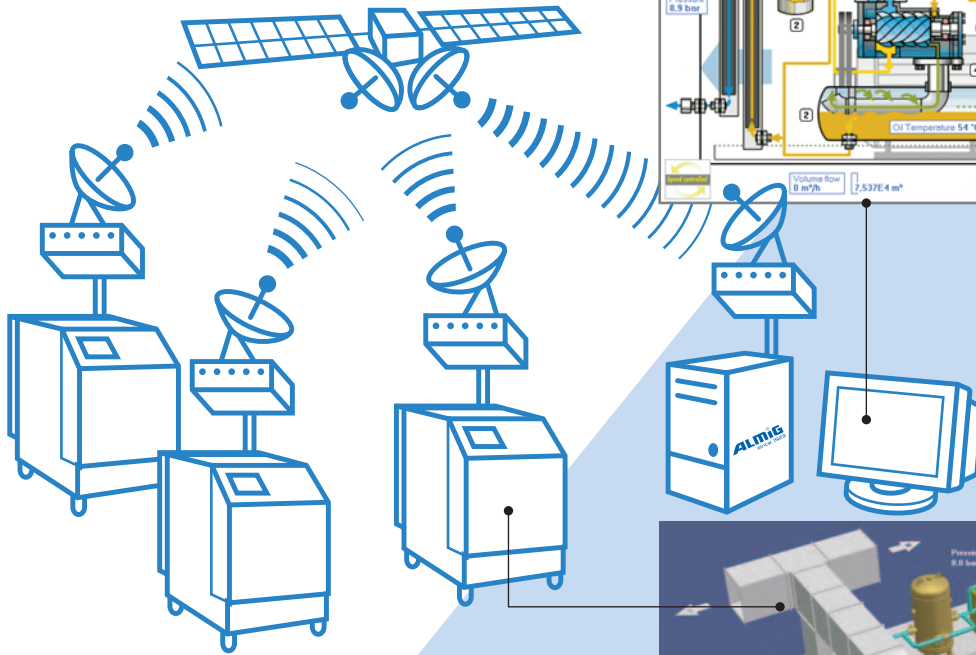
Intelligent compressed air ... everywhere ■ ■ ■ Intelligent compressed air ... everywhere ■ ■ ■ Intelligent compressed air ...

Central Instrumentation and Control

Plant Control

The operation instrumentation and control system of your compressed air station

Digital data communication via mouse click



PLANT CONTROL

2 models are available

■ PLANT CONTROL V (visualisation) The "In-house" solution

Internal monitoring and remote-controlled operation of the entire compressed air station via a network connection

■ PLANT CONTROL T (telemonitoring) Global data communication

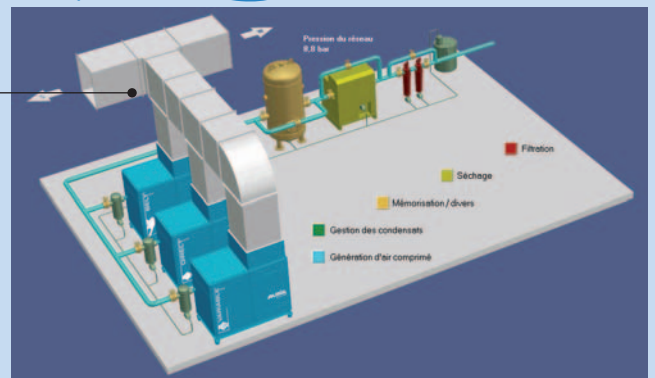
Monitoring and remote-controlled operation of the entire compressed air station via a modem connection

- Up to 10 compressors from different manufacturers can be connected
- 10 components each in the areas of drying, filtration, condensate management and receiver can be monitored
- You receive all relevant information on the monitor as if you were right next to the compressor station
- You can observe your station, intervene in its operation, make a record of all processes and evaluate them
- The components automatically inform you if there are any warnings or faults

*efficiently plan service work
reduce pressure loss*

*monitor compressed air systems
cut down operating costs*

100% reliability



Products, Concepts, Solutions

Built on the needs of the customer

With our innovative system concepts we offer customised solutions for almost all applications.

Our endeavour lies not only in supplying compressors, we offer ourselves as a

competent system provider, who is able to offer solutions to all users of compressed air.

That does not only apply to the consultation and installation phase of your new compressor(s), but naturally continues in all areas of service, maintenance and visualisation.

Challenge us!



Screw compressors

- constant speed
2.2 – 500 kW/
5 – 13 bar
- variable speed controlled and direct drive
3 – 315 kW/
5 – 13 bar
- oil-free, with water injection
15 – 55 kW/
5 – 10 bar



Piston compressors

- oil-free,
up to 10 bar
1.1 – 12 kW
- for normal pressure up to 10 bar
1.5 – 15 kW
- for medium pressure up to 15 bar
1.5 – 15 kW
- for high pressure up to 40 bar
2.2 – 45 kW
- as a booster for an input pressure up to 15 bar and an output pressure up to 40 bar
2.2 – 30 kW



Blower

- at constant speed
1.5 – 55 kW
300 – 1000 mbar
- with speed regulator and direct drive
3.0 – 55 kW
300 – 1000 mbar



Turbo compressors

- oil-free,
up to 9 bar
65 – 370 kW



Complete accessories

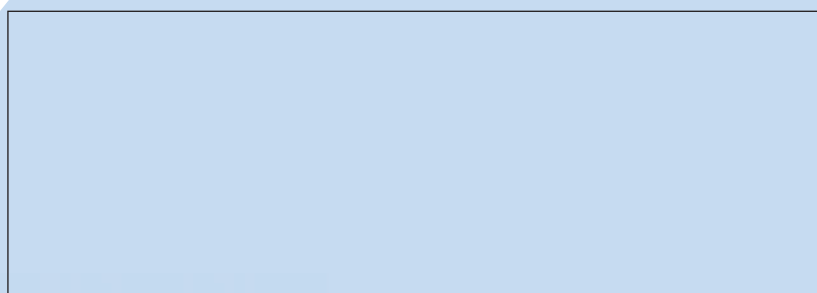
- refrigeration dryers
0.27 – 100 m³/min
- desiccant dryers
0.08 – 145 m³/min
- activated carbon adsorbers
0.08 – 145 m³/min
- filters,
all particle sizes
0.5 – 225 m³/min
- complete condensate management up to
120 m³/min



Control, regulate, monitor

- lead-lag control
- consumption-dependant control
- visualisation (we bring your compressed air to the PC)
- tele-monitoring (the hotline of your compressed air station)

Your specialist



ALMIG
since 1923

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