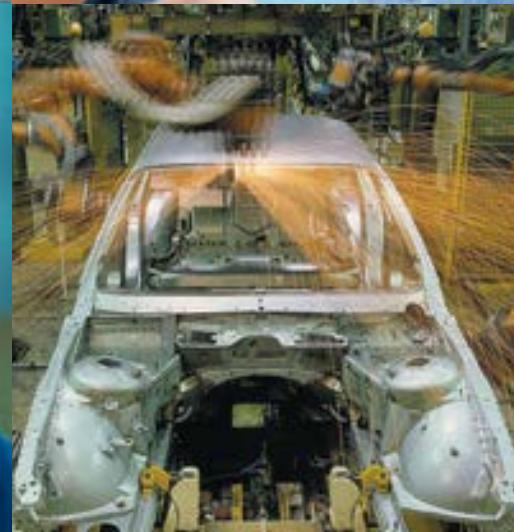
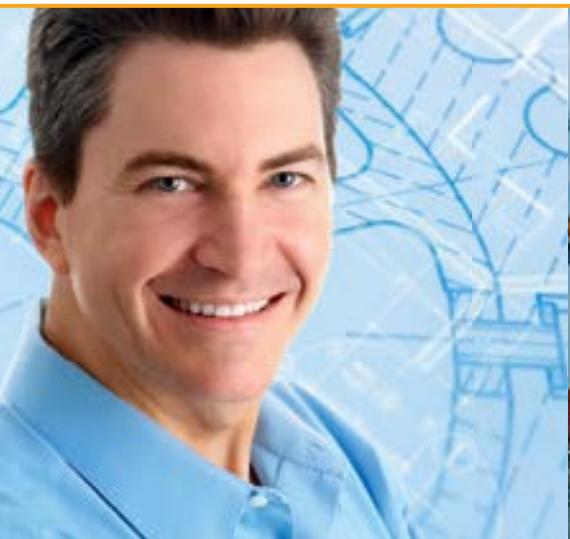


## COMPRESSORS · CONTROLS COMPRESSED AIR TREATMENT · SERVICES



**ALMiG TOTAL**

# WE HAVE THE RIGHT PRODUCT FOR ALMOST ANY APPLICATION!

## ALMiG Kompressoren GmbH

A name that guarantees top-grade technology in the compressed air sector. ALMiG has emerged from a company with a long tradition whose products in the compressed air industry have always stood for quality, innovation and consideration of its customers.

Today ALMiG is an extremely flexible company which can react fast to special customer requests. It stands by its customers as a competent partner, giving advice and practical support.

It goes without saying that as one of the leading suppliers of advanced compressed air systems, our commitment to continuous research and development forms the basis for all the plants we manufacture.

They meet the acceptance criteria in compliance with:

- ISO 1217-3 Annex C-1996
- ASME
- OSHA

and comply with the CE guidelines.

Even the most stringent acceptance criteria such as:

- DET NORSKE VERITAS
- GERMANISCHER LLOYD
- BUREAU VERITAS
- LLOYD's REGISTER OF SHIPPING
- ABS

is a matter of course for us.

The company ALMiG is certified in compliance with:

- IRIS 02
- ISO 9001: 2008
- ISO 14001: 2004

**Our motto is:**

If you have stopped improving,  
you have stopped being good!

## ALMiG supplies:

■ piston  
compressors

■ screw  
compressors

■ special  
machines

■ controls

■ compressed  
air treatment

■ services



# ALMiG KOMPRESSOREN GMBH



The ALMiG headquarters,  
including the production  
sector I in König, near  
Stuttgart

## WE ARE REALLY BIG IN THE LOW-OUTPUT RANGE

The scope of applications for modern piston compressors is very varied, ranging from trades to industry.

The ALMiG piston compressors were developed specifically to meet all requirements arising in heavy-duty routine work brilliantly.

They provide a flexible and reliable compressed air supply and, furthermore, they work exceptionally economically.

Our plants are in use in the low, medium and high-pressure ranges (up to 400 bars).

Oil-free plants are also available.

### The ALMiG modular system includes:

- compressor units for installation in existing plants wherever space requirements are an important criterion
- standalone units on base frames
- compressed air plants with a variety of horizontal or vertical receivers (also connected to refrigerant dryers), with or without a sound insulation box

No matter which version you choose, ALMiG supplies you with piston compressors that are especially conceived for the respective application.



# PISTON COMPRESSORS

Industry	Boosters for industry	industry High pressure
<p>A series 1.5 – 3.8 kW 10 – 15 bars</p>  <p>HL/HLD 2.2 – 55 kW 10 – 40 bars</p> 	<p>A-O series 1.5 – 3.8 kW 7 – 10 bars</p>  <p>A-Tower 1.5 – 11.4 kW 7 – 15 bars</p> 	<p>BOOSTER 2.2 – 18.5 kW for admission pressures of up to 10 bars and discharge pressures of up to 40 bars</p>  
		

# FROM SMALL TO LARGE, UNADULTERATED TOP-GRADE TECHNOLOGY

## Screw compressors:

### The right type of drive for each application

In the field of screw compressors ALMiG is the manufacturer with what is probably the most comprehensive range of products.

Whichever drive system is desired, ALMiG can always offer an alternative.

Thanks to the ingenious modular system, around 80-90% of all compressor components in a given kW class are the same.

The choice of drive system is variable.

The following are available:

- V-belt drive
- direct drive
- gear drive
- direct drive with speed control

ALMiG thus offers the right drive concept for every application ranging from low to high compressed air requirements.

The advantages for the user are obvious:

- ALMiG advises the compressed air user individually and for any system
- it offers modern, energy-conserving compressors with speed control and
- oil-free screw compressors with water injection

ALMiG always offers a fitting alternative.

## The majority of the compressors are also available as:

- compressors with attached/integrated refrigerant dryers
- with or without receivers as well as
- with or without compressed air treatment by means of high performance filters ranging right up to oil-free compressed air

No matter which plant you choose, ALMiG provides maximum operating reliability even in continuous operation and will even minimise your operating costs.



# SCREW COMPRESSORS

V-belt	Gear	Direct	Direct & speed-controlled	Gear	Direct & speed-controlled
<b>COMBI</b> 3 – 22 kW 5 – 13 bars	<b>GEAR</b> 30 – 500 kW 5 – 13 bars	<b>DIRECT</b> 15 – 315 kW 5 – 13 bars	<b>FLEX</b> 3 – 30 kW 5 – 13 bars	<b>SIMPLEXX</b> 110 – 450 kW 4 – 10,5 bars	<b>LENTO</b> 15 – 110 kW 5 – 13 bars
  <b>BELT</b> 4 – 250 kW 5 – 13 bars			  <b>VARIABLE</b> 16 – 355 kW 5 – 13 bars	  	  water-injected
					    <b>DUPLEXX</b> 75 – 160 kW 4 – 10,5 bars

# ALWAYS THE RIGHT CONCEPT FOR SPECIAL APPLICATIONS

„Maximum benefits for our customers.“

Many special applications in the field of compressed air technology require a product adapted to the specific needs that arise.

## DYNAMIC:

The special area of application of the DYNAMIC series is mainly the sector ranging from medium sized to big industry: petrochemicals, refineries, the steel and automotive industry. In other words, it is suitable wherever an even and extremely reliable compressed air supply of 100 % oil-free compressed air is required and is very economical to boot.

## BBD/BSC:

ALMiG has designed the whole range with low-maintenance, three-lobe positive displacement blower airends for extremely smooth running and maximum vibration damping in the transport of air and neutral gases.

- with or without cabinet
- with or without speed control
- special applications, for example for the exact oxygenation of liquids

## TRACKAIR:

The turnkey system solution for railways, roads and in all instances where special space requirements arise.

TRACKAIR solutions feature customised configurations - built into a frame construction or freestanding, complete with or without compressed air treatment in the form of filters and drying systems.



## SPECIAL MACHINES

### TURBO

DYNAMIC  
200 – 2000 kW  
up to 10 bars



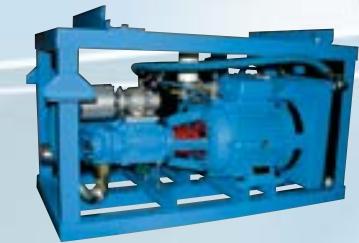
### BLOWER

BBD/BSC  
1.5 – 55 kW  
300 – 1000 mbars



### TRACKAIR

TRACKAIR  
4 – 40 kW  
5 – 13 bars



## THEY CAN COMMUNICATE WITH THE WHOLE SYSTEM!

Using the ALMiG AIR CONTROL family of controls you can control, manage and monitor your entire compressed air supply system in the best possible way.

The very latest microprocessor and communications technology is used, guaranteeing you optimum operating convenience, easy to use settings, and seamless integration of all compressor models and the entire range of accessories. The colour control displays are backlit, and some have touch screen functionality. They are connected to the network via the standard RS 485 data bus.

Using the optional connection to a web server you can, if required, monitor your compressor station, or display graphics and statistics, from anywhere in the world. Messages can be sent actively, e.g. by SMS or e-mail. This means that your compressor station can use the control systems to communicate with you or your service partner.

In addition, you can also save all the system parameters to a data medium, enabling you to access all the settings again easily. A data-logging function constantly records the state of the compressor and compressed air station. Data storage ensures maximum reliability.\*

Using this perfectly designed ALMiG family of controls you can achieve the following, for minimum effort and cost:

- huge potential savings by reducing idling levels and the pressure level
- pure reliability; nothing escapes that
- transparency when it comes to the compressors and accessories, at all times
- reductions in maintenance time and down-times

\* for AIR CONTROL P and AIR CONTROL HE



# CONTROLS

## Compressor controls

Air Control B



Air Control P



Air Control HE



## Higher-order controls

Air Control HE



consumption-related multiple controls  
for up to 10 compressors  
(irrespective of the manufacturer)  
and the entire compressed air accessories

## Monitoring



### Connecting to a web server:

Information about the compressed air station can be accessed world-wide in graphical or statistical form.

Global data communication is enabled by the active sending of status messages.

## THE RIGHT COMPRESSED AIR QUALITY FOR EACH CONSUMER

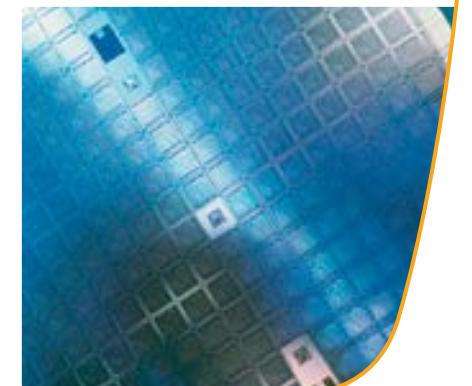
No industrial or trade company can do without compressed air. It is used in such a wide variety of technical applications that no list could ever claim to be complete.

To ensure optimal usage of compressed air, it must be dry, clean and in some cases oil-free.

Hence, compressed air treatment is absolutely mandatory. If it is not used, or is incorrectly dimensioned for the purpose, there will be an adverse effect on the entire compressed air system.

The outcome may be unnecessary loss of production or a reduced service life of compressed air consumers.

Reason enough to pay attention that the compressed air quality is matched up against the individual requirements.



# COMPRESSED AIR TREATMENT

Drying	Filtration	Condensate management		
Refrigerant dryers	Adsorption dryers	High performance filter	Active carbon adsorber	Condensate treatment
<p><b>ADD</b></p>  <p>for mounting on walls or as a "docking dryer kit" (compressor plus refrigerant dryer)</p> <p><b>ALM/ALM-E</b> as a stand-alone unit</p>  <p>20 – 5100 m³/h PDP: up to +3°C</p>	<p><b>ALM-CCD/CD</b></p>  <p><b>ALM-WD</b></p>  <p><b>ALM-HOC</b></p>  <p>hot and cold regenerating 9 – 9400 m³/h PDP: up to -70°C</p>	<p>cyclone separator AS</p>  <p>high performance filter</p>  <p>diverse compressed air quality classes 30 – 13500 m³/h</p>	<p><b>ALM-AC</b></p>  <p>70 – 9300 m³/h residual oil content &lt; 0.003 mg/m³</p>	<p>condensate drain <b>ALM-D</b></p>  <p>oil-water separation systems <b>ALM-WS</b></p>  <p>for environmentally sound condensate treatment</p>

# ALWAYS GEARED TO THE CUSTOMER'S NEEDS

## Organisation of energy-saving and compressed air seminars:

Our speakers are compressed air engineers with many years' experience. They provide you with a multitude of stimulating, practical ideas gleaned from practice; and they support you with your day-to-day work as well as revealing the potential for conserving energy.

## Volumetric flow rate measurement:

It is better to know than to assume!

Volumetric flow rate measurements (conducted over a period of at least 7 days) reveal an enormous potential for saving energy to you. After all, a basis for taking decisions can only be formed if the facts are on the table.

Analyse first; then decide!

## Planning/Installation:

Highly-qualified engineers are available from the consulting and planning phase through to installation to prepare the optimal customer-specific solution for all areas of application.

## Service:

Our service technicians are highly qualified and undergo ongoing training. After all, a compressor is only as good as the people who look after it. We use only original spare parts.

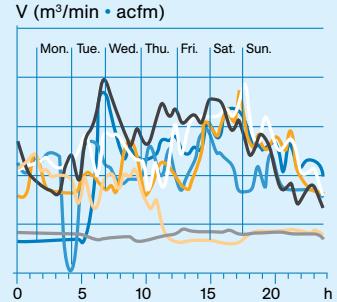
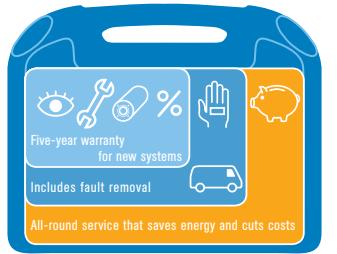
## Maintenance contracts:

Preventative maintenance is cheaper than repairs and enhances the operational reliability of the compressed air station.

This is why ALMiG provides a variety of maintenance contracts to ensure that your compressed air station "doesn't run out of air".



# SERVICES

Consulting	Project management	Maintenance and repair
<p><b>Training and advanced training</b></p>  <p><b>Volumetric flow rate measurement</b></p>  <p><b>Air flow - weekly profile</b>  <math>V \text{ (m}^3\text{/min} \cdot \text{acfm)}</math></p> 	<p><b>Planning + Installation</b></p>  <p><b>Service + Spare parts</b></p> 	<p><b>Maintenance contracts</b></p>  <p><b>Five-year warranty for new systems</b>      Includes fault removal      All-round service that saves energy and cuts costs</p> 

## INTELLIGENTE DRUCKLUFT MADE IN GERMANY



### In line with the customer's needs

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 capable of offering solutions to all users of compressed air. That does not only apply to the consultation and installa-

tion phase of your new compressor(s), but naturally continues in all areas of service, maintenance and visualisation.

[Challenge us!](#)

Screw compressors 3-500 kW	Piston compressors 1.5-55 kW	Turbo compressors 200-2.000 kW	Blower 1.5-55 kW	Complete accessories	Control, regulate, monitor
<ul style="list-style-type: none"> <li>• Fixed speed</li> <li>• With energy-saving speed control</li> <li>• Oil-free, with water injection</li> <li>• Oil-free, 2-stage</li> </ul> <p>Available drive types:</p> <ul style="list-style-type: none"> <li>• V-belt</li> <li>• Gearbox</li> <li>• Direct</li> </ul>	<ul style="list-style-type: none"> <li>• Oil-lubricated</li> <li>• Oil-free</li> <li>• Normal pressure, medium pressure, high pressure</li> <li>• Booster</li> <li>• Mobile/stationary</li> </ul> <p>Available drive types:</p> <ul style="list-style-type: none"> <li>• V-belt</li> <li>• Direct</li> </ul>	<ul style="list-style-type: none"> <li>• Oil-free</li> <li>• Radial, 3-stage compression</li> <li>• With/without sound-absorbing housing</li> </ul> <p>Available drive types:</p> <ul style="list-style-type: none"> <li>• Gearbox</li> </ul>	<ul style="list-style-type: none"> <li>• Fixed speed</li> <li>• With energy-saving speed control</li> </ul> <p>Available drive types:</p> <ul style="list-style-type: none"> <li>• V-belt</li> <li>• Direct</li> </ul>	<ul style="list-style-type: none"> <li>• Refrigerant dryers</li> <li>• Desiccant dryers, heatless and heat-regenerative</li> <li>• HOC (heat of compression)</li> <li>• Activated carbon adsorbers</li> <li>• Filters, all particle sizes</li> <li>• Condensate management</li> <li>• Heat recovery systems</li> <li>• Pipework systems</li> </ul> <p>All components are optimally matched to the compressors.</p>	<ul style="list-style-type: none"> <li>• Base load changeover controls</li> <li>• Consumption-related controls</li> <li>• Visualisation (we display your compressed ainstation on the PC)</li> <li>• Telemonitoring (the hotline of your compressed air station)</li> </ul>

### Our quality standards mean you can rely on our machines



ISO 9001



ISO 14001



IRIS



Your expert advisor

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