

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 that can react fast to special customer requests. It stands by its customers as a competent partner, giving advice and practical support.

As one of the leading suppliers of advanced compressed air systems, our commitment to continuous research and development forms the basis for all our products. ALMiG compressors are all manufactured in accordance with

- IRIS
- ISO 9001: 2000
- ISO 14001: 2004

and of course we incorporate many features designed specifically to save energy and protect the environment.

Acceptance in compliance with:

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

is a matter of course for us.

**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 Köngen, 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 40 bars).

Oil-free plants are also available.

### Well-conceived modular system, time-tested design:

The HL/AKK/AEK/AGK series and the oil-free variant types are modular in design.

### The 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

## Handcrafts and trades/ Commercial

SMALL PISTON  
1.1 – 15 kW  
8 – 10 bars



## Industry

HL  
2.2 – 45 kW  
10 – 40 bars



AKK/AEK/AGK  
1.5 – 4 kW  
10 – 15 bars



## Industry

AKK-O/AGK-O  
1.1 – 4 kW  
7 – 10 bars



## Boosters for industry

BOOSTER  
2.2 – 30 kW  
for admission pressures of  
up to 15 bars and  
discharge pressures of up to 40 bars





## 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

COMBI  
2.2 – 22 kW  
5 – 13 bars



BELT  
4 – 250 kW  
5 – 13 bars



## Gear

GEAR  
30 – 500 kW  
5 – 13 bars



## Direct

DIRECT  
11 – 315 kW  
5 – 13 bars



## Direct & speed-controlled

FLEX  
2.2 – 30 kW  
5 – 13 bars



VARIABLE  
16 – 355 kW  
5 – 13 bars



LENTO  
15 – 85 kW  
5 – 13 bars



various kW classes also  
with fixed speed

water-injected screw  
compressors for  
generating oil-free  
compressed air

## ALWAYS THE RIGHT CONCEPT FOR SPECIAL APPLICATIONS

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  
65 – 1000 kW  
up to 10 bars



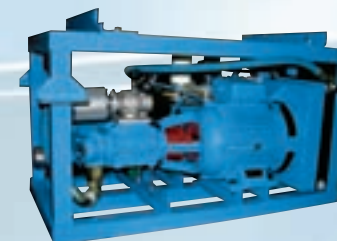
## BLOWER

BBD/BSC  
1.5 – 55 kW  
300 – 1000 mbars



## TRACKAIR

TRACKAIR  
4 – 40 kW  
5 – 13 bars



## THEY CAN COMMUNICATE WITH THE WHOLE SYSTEM!

The ALMiG control family:

- AIR CONTROL
- MULTI CONTROL
- PLANT CONTROL

puts you in a position to optimally control, manage and monitor your entire compressed air supply.

The use of state-of-the-art microprocessor and communications technology guarantees you trouble-free incorporation of all compressor models as well as the entire gamut of accessories. Of course, ALMiG provides simple connection via RS 485 data bus.

The perfectly matched ALMiG control family offers you an inexpensive solution for:

- great energy-saving potential by reducing no-load times and pressure loss
- total operational reliability; they never miss a thing
- complete transparency of compressors and accessories at all times



# CONTROLS

## Compressor controls

Air Control 1



Air Control 2



Air Control 3



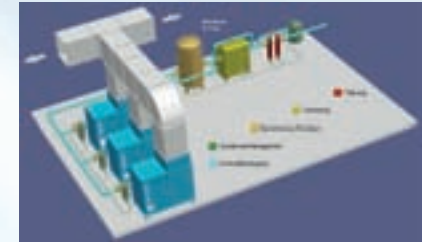
## Higher-order controls

Multi Control 3



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

## Monitoring



Plant Control V:  
Visualisation  
the in-house solution

Plant Control T:  
Telemonitoring  
global data communication



## THE RIGHT COMPRESSED AIR QUALITY FOR EACH CONSUMER

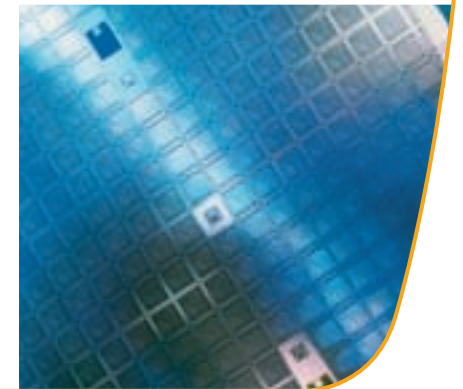
No industrial or trade company can do without compressed air. It is used in such a wide variety of technical applications that no list could ever claim to be complete.

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

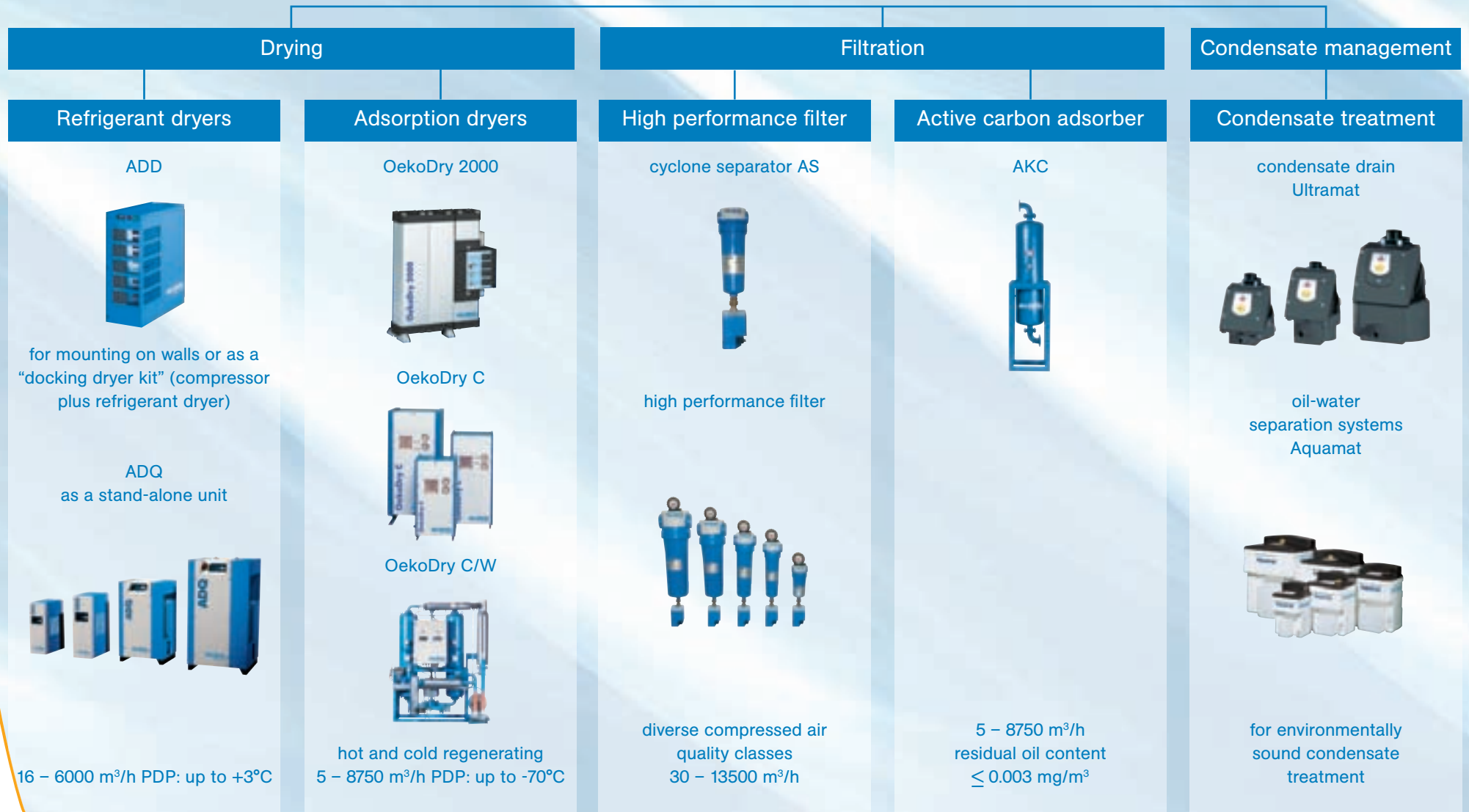
Hence, compressed air treatment is absolutely mandatory. If it is not used, or is incorrectly dimensioned for the purpose, there will be an adverse effect on the entire compressed air system.

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



## 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

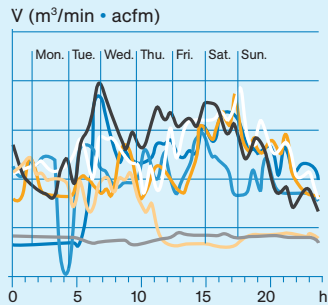
### Training and advanced training



### Volumetric flow rate measurement



Air flow - weekly profile



## Project management

### Planning + Installation



## Maintenance and repair

### Service + Spare parts



### Maintenance contracts



## 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	Piston compressors	Turbocompressors	Blower	Complete accessories	Control, regulate, monitor
<ul style="list-style-type: none"> <li>constant speed 2.2 – 500 kW/5 – 13 bars</li> <li>variable speed-controlled and direct drive 2.2 – 355 kW/5 – 13 bars</li> <li>oil-free, with water injection 1.5 – 85 kW/5 – 13 bars</li> </ul>	<ul style="list-style-type: none"> <li>oil-free, up to 10 bars 1.1 – 4 kW</li> <li>for normal pressure up to 10 bars 1.5 – 15 kW</li> <li>for medium pressure up to 15 bars 1.5 – 15 kW</li> <li>for high pressure up to 40 bars 2.2 – 45 kW</li> <li>as a booster for an input pressure up to 15 bars and an output pressure up to 40 bars 2.2 – 30 kW</li> </ul>	<ul style="list-style-type: none"> <li>for oil-free compressed air 65 – 1000 kW</li> <li>two-stage up to 9 bars</li> <li>three-stage up to 10 bars</li> </ul>	<ul style="list-style-type: none"> <li>at constant speed 1.5 – 55 kW 300 – 1000 mbars</li> <li>with speed control and direct drive 3 – 55 kW 300 – 1000 mbars</li> </ul>	<ul style="list-style-type: none"> <li>refrigerant dryers 0.27 – 100 m<sup>3</sup>/min</li> <li>desiccant dryers 0.08 – 145 m<sup>3</sup>/min</li> <li>activated carbon adsorbers 0.08 – 145 m<sup>3</sup>/min</li> <li>filters, all particle sizes 0.5 – 225 m<sup>3</sup>/min</li> <li>complete condensate management up to 120 m<sup>3</sup>/min</li> </ul>	<ul style="list-style-type: none"> <li>base load changeover controls</li> <li>consumption-related controls</li> <li>visualisation (we bring your compressed air to the PC)</li> <li>tele-monitoring (the hotline of your compressed air station)</li> </ul>



Your expert advisor