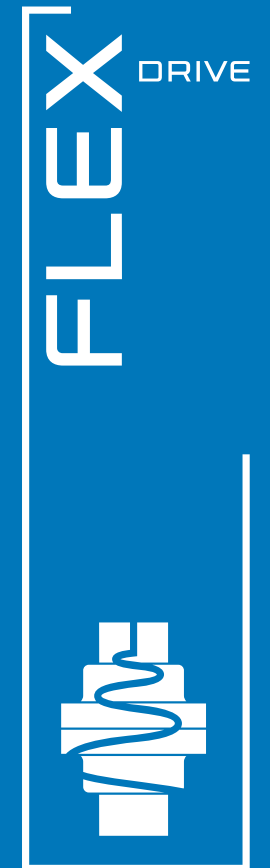
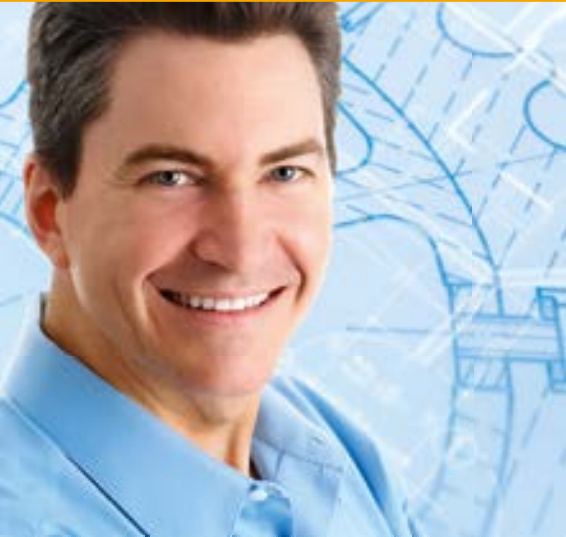


SPEED-CONTROLLED SCREW COMPRESSORS

Volumetric flow rate: 0.25 – 4.13 m³/min • 6 – 145 acfm



INTELLIGENTE DRUCKLUFT MADE IN GERMANY

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

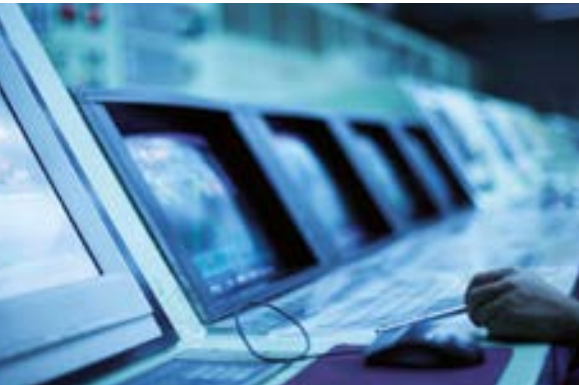
■ screw compressors

■ special machines

■ controls

■ compressed air treatment

■ services



INTELLIGENT CONCEPT, MODULAR DESIGN



as a "PLUS" version with underslung refrigerant dryer for PDP at 3°C/37 F



as a standard compressor



as an "O" version with underslung refrigerant dryer and filter system for the production of "oil-free" compressed air



as a receiver-mounted version

as a receiver-mounted "PLUS" version*



as a receiver-mounted "O" version*



* Important: versions not available for FLEX 16 – 30

"O" version meaning - according to DIN ISO 8573 - 1:

| Residual constituents in compressed air | Volume | Class |
|---|-------------------------|-------|
| Oil | 0.003 mg/m ³ | 1 |
| Particles | < 0.01 µm | 1 |
| Water | PDP + 3°C/37 F | 4 |



- Airend** 1 newly developed rotor profile for maximum efficiency • wide control range • very good overall efficiency
- SCD motor** 2 robust drive motor with speed control
- SCD direct drive** 3 compressor shaft and the motor rotor are a single piece • loss-free power transmission and no coupling element • no motor bearing required, therefore increased operating reliability
- SCD frequency converter** 4 the integrated power pack, conforms to stringent EMC directives
- Mains screening** 5 100 % safety against harmonic interference
- Separator system** 6 optimal compressed air quality thanks to a proven multi-stage separation system
- Radial fan** 7 powerful, efficient and smooth running • high residual pressure for subsequent connection to a duct duct ventilation system
- System cooler** 8 efficient cooler for low temperature level
- Air Control** 9 the intelligence of the compressor; thinks, monitors, records. Can be connected to the Internet, making all conceivable communication possible.

Air Control B (Standard: FLEX 3S - 30)

Air Control P (optional for FLEX 3S - 30)

Air Control HE - the intelligent global control system

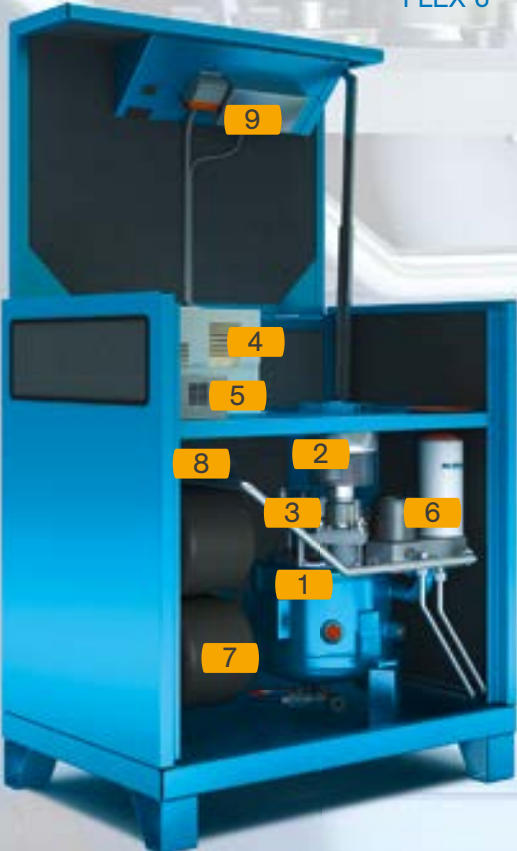


INTELLIGENT COMPONENT ARRANGEMENT

FLEX 3S - 8S



FLEX 6 - 15



FLEX 16 - 30



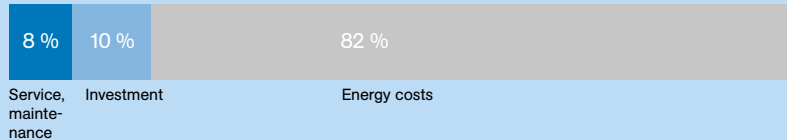
INTELLIGENT TECHNIQUE

The integrated single shaft solution in a speed-controlled design offers top technology without any compromises:

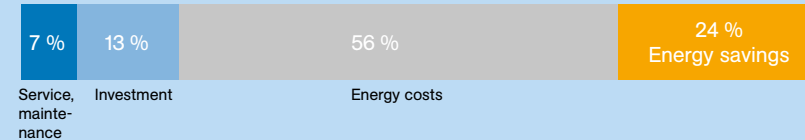
- exact adjustment of the volumetric flow rate to the respective current compressed air requirements
 - avoids switching operations and the consequent costly no-load running periods
 - energy-saving start-up eliminating current peaks
 - operating pressure can be selected freely between $p_{min} - p_{max}$ in 0,1 bar (1,5 psig) stages.
- The reduced pressure thus achieves saves you money
- it is impossible to improve on the design in terms of compactness and space-saving - yet it is still very accessible for service and maintenance
 - a speed-controlled FLEX can increase the economic efficiency of up to eight large compressors immediately in the intelligent ALMiG „Master-Slave System“

Average total cost comparison of a screw compressor, averaged over 5 years

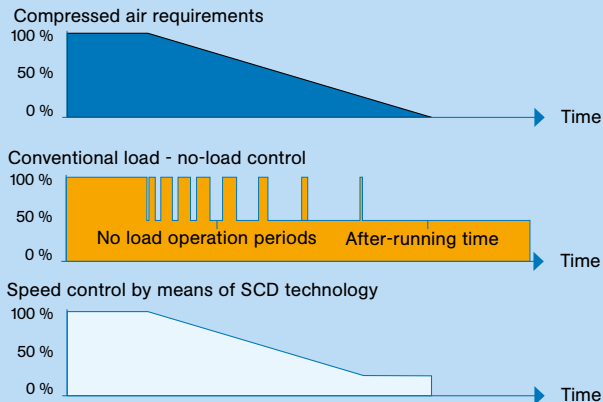
Standard screw compressor



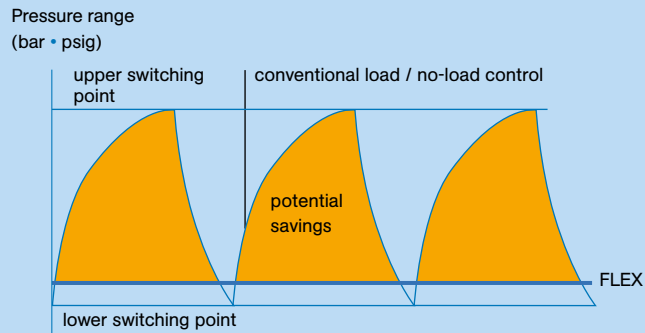
Series FLEX



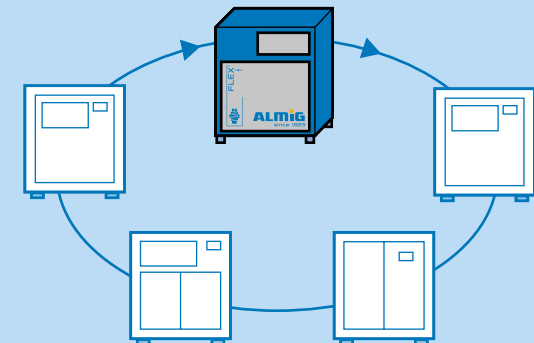
Adjusts volumetric flow rate exactly



Prevents switching operations



ALMiG „Master-Slave system“



FACTS AND FIGURES

| 50 Hz | | | | | | | | |
|-------|-------------------------|--|---------------------|--------------------|--------|-------|--------|--------|
| FLEX | Operating over-pressure | Vol. flow rate* according to ISO 1217 (annex C-1996) | | Rated motor output | Length | Width | Height | Weight |
| | | min. | max. | | | | | |
| | bar | m ³ /min | m ³ /min | kW | mm | mm | mm | kg |
| 3S | 5 - 13 | 0.28 | 0.60 | 3 | 590 | 590 | 995 | 123 |
| 4S | 5 - 13 | 0.28 | 0.67 | 4 | 590 | 590 | 995 | 123 |
| 6S | 5 - 13 | 0.28 | 0.90 | 5.5 | 590 | 590 | 995 | 136 |
| 8S | 5 - 13 | 0.28 | 1.06 | 7.5 | 590 | 590 | 995 | 136 |
| 6 | 5 - 13 | 0.53 | 0.85 | 5.5 | 870 | 590 | 990 | 165 |
| 7 | 5 - 13 | 0.53 | 1.19 | 7.5 | 870 | 590 | 990 | 165 |
| 11 | 5 - 13 | 0.53 | 1.70 | 11 | 870 | 590 | 990 | 180 |
| 15 | 5 - 13 | 0.53 | 2.10 | 15 | 870 | 590 | 990 | 190 |
| 16 | 5 - 13 | 1.39 | 2.79 | 15 | 1140 | 890 | 1315 | 285 |
| 18 | 5 - 13 | 1.06 | 3.16 | 18.5 | 1140 | 890 | 1315 | 295 |
| 22 | 5 - 13 | 1.06 | 3.47 | 22 | 1140 | 890 | 1315 | 325 |
| 30 | 5 - 13 | 1.06 | 4.05 | 30 | 1140 | 890 | 1315 | 365 |

| 60 Hz | | | | | | | | |
|----------|-------------------------|--|------|--------------------|--------|-------|--------|--------|
| FLEX | Operating over-pressure | Vol. flow rate* according to ISO 1217 (annex C-1996) | | Rated motor output | Length | Width | Height | Weight |
| | | min. | max. | | | | | |
| | psig | acfm | acfm | HP | inch | inch | inch | lbs |
| 3 / 4 S | 75 - 190 | 10 | 21 | 4 | 23.2 | 23.2 | 39.2 | 271 |
| 4 / 5 S | 75 - 190 | 10 | 24 | 5 | 23.2 | 23.2 | 39.2 | 271 |
| 6 / 7 S | 75 - 190 | 10 | 32 | 7.5 | 23.2 | 23.2 | 39.2 | 300 |
| 8 / 10 S | 75 - 190 | 10 | 37 | 10 | 23.2 | 23.2 | 39.2 | 300 |
| 6 / 7 | 75 - 190 | 19 | 30 | 7.5 | 34.3 | 23.2 | 39 | 364 |
| 7 / 10 | 75 - 190 | 19 | 42 | 10 | 34.3 | 23.2 | 39 | 364 |
| 11 / 15 | 75 - 190 | 19 | 60 | 15 | 34.3 | 23.2 | 39 | 397 |
| 15 / 20 | 75 - 190 | 19 | 74 | 20 | 34.3 | 23.2 | 39 | 419 |
| 16 / 21 | 75 - 190 | 49 | 99 | 20 | 44.9 | 35 | 51.8 | 628 |
| 18 / 25 | 75 - 190 | 37 | 112 | 25 | 44.9 | 35 | 51.8 | 650 |
| 22 / 30 | 75 - 190 | 37 | 123 | 30 | 44.9 | 35 | 51.8 | 717 |
| 30 / 40 | 75 - 190 | 37 | 143 | 40 | 44.9 | 35 | 51.8 | 805 |

* V in relation to 7-bar operating overpressure at 50 Hz / 100 psi at 60 Hz
heat recovery systems available from FLEX model upwards (FLEX 6 / 7)

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

Our quality standards mean you can rely on our machines



ISO 9001



ISO 14001



IRIS



Partner of the Engineering Industry Sustainability Initiative



DNV



Your expert advisor

ALMiG Kompressoren GmbH

Adolf-Ehmann-Straße 2 • 73257 Köngen

Tel. Vertrieb: +49 (0)7024 9614-240

E-Mail Vertrieb: sales@almig.de

www.almig.de

