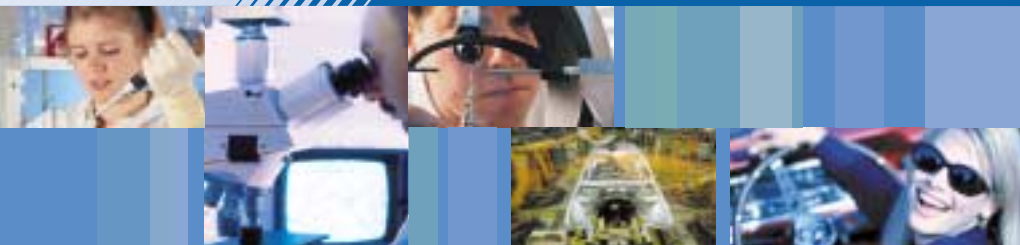


Screw compressors

**SCK 5–52**

Capacity:  
0.43–5.78 m<sup>3</sup>/min



**SCK** 

# Intelligence, innovation, reliability

## The small power package

*small, compact, powerful*

*great diversity of variants*

*clear, maintenance-friendly design*

*super sound insulation as standard feature*

*intelligent microprocessor controls*

*optimal system efficiency*



#### Maximum benefits for our customers:

This premise holds true for everyone at ALUP.

Our products benefit from the latest techniques in research and development and are manufactured according to ISO 9001.

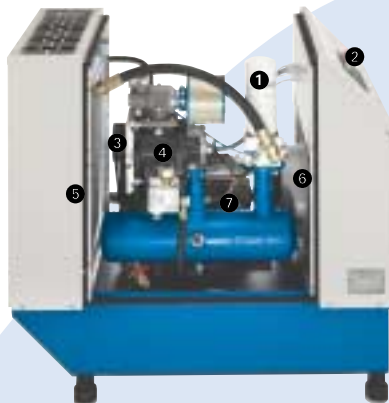
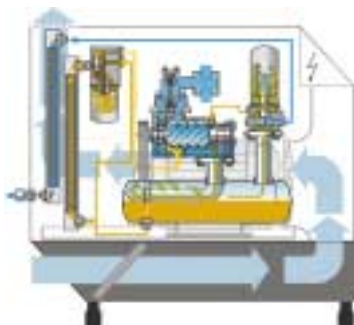
They fulfil all acceptance criteria according to ISO 1217 – 3 annex C – 1996 and conform to the CE-guidelines.

Even the most stringent conditions, such as DET NORSKE VERITAS, GERMANISCHER LLOYD, BUREAU VERITAS, LLOYD'S REGISTER OF SHIPPING, ABS among others, are for us at ALUP a matter of course.



intelligent compressed air ... everywhere ■ ■ ■ intelligent compressed air ... everywhere ■ ■ ■ intelligent compressed air ... everywhere ■ ■ ■

# Assembly, technique, highlights



## 1 Separating system

highest compressed air quality through proven multi-stage separation

## 2 Air Control

the intelligence of the compressor; thinks, monitors, records (available in two versions)

## 3 Drive system

highly efficient, operationally safe V-belt drive

## 4 Air end

high performance, excellent efficiency

## 5 Cooling unit

large surface-area radiators for lowest compressed air outlet temperatures and optimum thermostat-controlled coolant temperatures

## 6 Fan

powerful, efficient, high-performance

## 7 Drive motor

Robust drive motor with reserves

Manufacture



Test



Service



# Data, facts, analysis



Type	Air flow according to ISO 1217 (annex C-1996)			Motor power kW	Length mm	Width mm	Height mm	Weight kg
	8 bar (m <sup>3</sup> /min)	10 bar (m <sup>3</sup> /min)	13 bar (m <sup>3</sup> /min)					
SCK 5	0.65	0.54	0.43	4.0	605	945	900	190
SCK 8	0.88	0.78	0.65	5.5	605	945	900	190
SCK 10	1.20	1.07	0.87	7.5	605	945	900	205
SCK 15	1.70	1.50	1.32	11.0	605	945	900	220
SCK 22	2.24	1.98	1.63	15.0	605	1010	900	235
SCK 21	2.52	2.17	1.75	15.0	795	1270	1170	435
SCK 26	2.97	2.62	2.27	18.5	795	1270	1170	450
SCK 31	3.54	3.12	2.67	22.0	795	1270	1170	485
SCK 42	4.60	4.12	3.40	30.0	795	1270	1170	580
SCK 52	5.78	5.15	4.42	37.0	795	1270	1170	595



Air Control 1



Air Control 3

## ALUP Air Control

The microprocessor controls for the safe monitoring of all functions.

Control, regulate, monitor, early-warning and in "extreme cases" – failure diagnosis – these are the main tasks for the "brain" of your compressor, a standard feature of all our screw compressors.

Available in 2 variants.



# Compatibility, flexibility, diversity

The SCK 5-52 series is designed so that the units can be employed in a great variety of ways and applications.

You can install this series:

- ... as standard compressor



SCK 5-52

In any case, the series sets new standards for its power class with regard to quality, operational safety, service life and user comfort.

- ... with coupled refrigeration dryer, which can also be added later  
SCK 5-52



- ... mounted on a tank  
SCK 5-15



- ... mounted on a tank with refrigeration dryer  
SCK 5-15



# Products, concepts, solutions

## Built on the needs of the customer

For almost 100 years we from ALUP have produced quality compressors.

With our innovative system concepts we offer customised solutions for almost all ranges of application.

Our endeavour lies not only in supplying compressors, we offer ourselves as a competent system provider, who is able to offer a solution from the compressed air producer to the last compressed air consumer.

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

## Challenge us!



### Screw compressors

- constant speed  
4 – 400 kW/5 – 13 bar
- variable speed controlled and direct drive  
30 – 250 kW/5 – 13 bar
- oil-free, with water injection  
4 – 250 kW/5 – 10 bar



### Piston compressors

- oil-free up to 10 bar  
0.75 – 4.0 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 35 bar  
2.2 – 11 kW
- as a Booster for an input pressure up to 15 bar and an output pressure up to 40 bar  
2.2 – 15 kW



### Complete Accessories

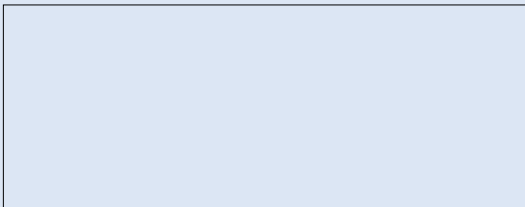
- Refrigeration dryers  
0.16 – 145 m<sup>3</sup>/min
- Desiccant dryers  
0.08 – 145 m<sup>3</sup>/min
- Activated carbon adsorbers  
0.08 – 145 m<sup>3</sup>/min
- Filters, all particle sizes  
0.08 – 380 m<sup>3</sup>/min
- complete condensate management up to 120 m<sup>3</sup>/min



### Control, regulate, monitor

- Lead-lag control
- consumption dependent control
- Visualisation  
(we bring your compressed air station to the PC)
- Telemonitoring (the Hot-line of your compressed air station)

Your competent consultant



**ALUP**  
Kompressoren

[www.alup.com](http://www.alup.com)

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