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# Intelligence, Innovation, Reliability

*In the end, power is what counts*

*economical supply of compressed air*

*high-quality compressed air*

*compact and service-friendly*

*easy to install*

*intelligent microprocessor  
sequence control*



#### Maximum benefits for our customers:

This premise holds true for everyone at ALUP.

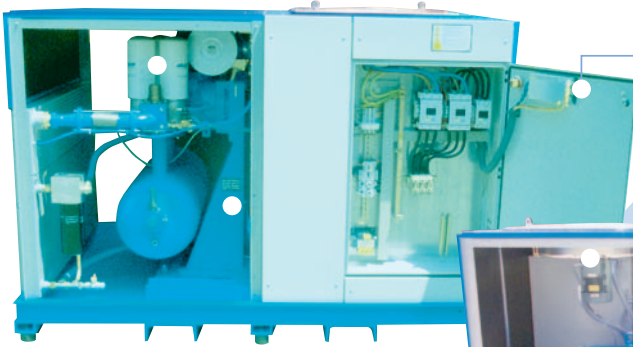
Our products benefit from the latest techniques in research and development and are manufactured according to ISO 9001.

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.



# Assembly, Technique, Highlights



SCK 101 - 181



SCK 101 - 181

## Separating system

highest compressed air quality through proven multi-stage separation

## Air control

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

## Drive system

highly efficient, operationally reliable V-belt drive

## Air end

high performance, excellent efficiency

## Cooling unit

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

## Fan

powerful, efficient, high-performance

## Drive motor

robust drive motor with reserves

Drive system



Compressor rotors



Switch cabinet



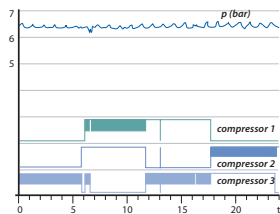
Typ	Air flow according to ISO 1217 (annex C-1996)			Motor power kW	Length mm	Width mm	Height mm	Weight kg
	8 bar (m <sup>3</sup> /min)	10 bar (m <sup>3</sup> /min)	13 bar (m <sup>3</sup> /min)					
SCK 51	5.97	5.57	4.60	37	1880	850	1355	810
SCK 61	8.07	7.04	5.50	45	1880	850	1355	995
SCK 76	9.37	8.60	7.00	55	1970	870	1355	1095
SCK 102	11.86	10.40	9.10	75	1880	900	1355	1060
SCK 101	12.90	11.45	10.00	75	2300	1400	1525	1750
SCK 121	15.53	13.54	11.90	90	2300	1400	1525	2080
SCK 151	18.24	16.06	14.25	110	2300	1400	1525	2300
SCK 181	20.47	18.04	16.00	132	2300	1400	1525	2950
SCK 182	21.79	19.33	16.87	132	2300	1400	2025	3050
SCK 221	26.84	24.65	21.18	160	2300	1400	2025	3200
SCK 271	30.15	28.84	24.95	200	2300	1400	2025	3450
SCK 272	31.32	27.97	23.88	200	3000	1650	2025	3900
SCK 341	40.79	35.32	28.57	250	3000	1650	2025	4100

air and water-cooled model available  
intermediate pressure levels upon request, gradation in intervals of 1 bar,

various systems of heat utilization available  
SCK 51 – 102 also available as "Plus" version (with attached refrigeration dryer)

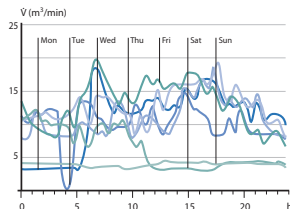
## Operating conditions/pressure

Day profile



## Air flow

Week profile



**In typical installation as shown there is an enormous energy saving potential!**

Decisions can be made only on the basis of facts. Therefore:  
**First analyse, then decide.**

This is reason enough to allow the specialists from ALUP to determine your current compressed air consumption, and with the help of accurate measurements, develop the optimum system solution together with you.



# Compatibility, Flexibility, Energy savings

## Powerful in every kW class

The SCK 51 – 341 series is designed so that due to its unique design concept it can be operated extremely efficiently in every kW range, thus being suitable for a multitude of applications.

- ... as standard compressor



SCK 51 – 102



SCK 101 – 181



# 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  
5.5 – 260 kW/  
5 – 13 bar
- Oil-free, with water injection  
15 – 55 kW/  
5 – 10 bar



*Piston compressors*

- Oil-free, up to 10 bar  
0.75 – 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 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



*Turbo compressors*

- Oil-free, up to 9 bar  
65 – 370 kW



*Complete Accessories*

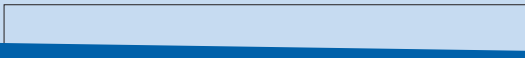
- Refrigeration dryers  
0.16 – 145 m<sup>3</sup>/min
- Desiccant dryers  
0.08 – 145 m<sup>3</sup>/min
- Activated carbon adsorbers  
0.08 – 145 m<sup>3</sup>/min
- Filters, all particle sizes  
0.08 – 380 m<sup>3</sup>/min
- Complete Condensate management  
up to 120 m<sup>3</sup>/min



*Control, regulate, monitor*

- Lead-lag control
- Consumption-dependant control
- Visualisation (we bring your compressed air to the PC)
- Tele-monitoring (the Hotline of your compressed air station)

Your specialist



# ALUP