

Screw compressors
SCG 181 – 541

Capacity:
17.56 – 66.50 m³/min



Intelligence, innovation, reliability

For high volume compressed air demand

powerful and robust for working under the toughest conditions

extremely high system efficiency

optimally coordinated air ends

high quality compressed air

intelligent microprocessor controls



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.

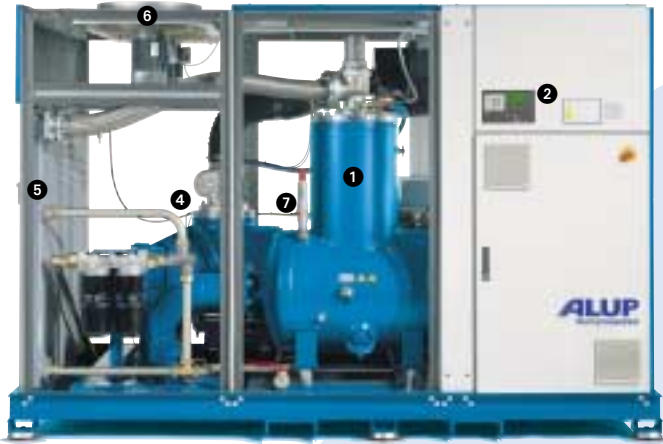
They fulfil all acceptance criteria according to ISO 1217 – 3 annex C – 1996 and conform to the CE-guidelines.

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

3 Drive system

direct drive with optimally adjusted transmission 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

two blowers: double the safety

7 Drive motor

Robust drive motor with reserves

Drive



System fans



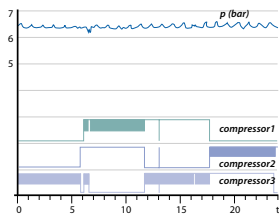
Air Control 3



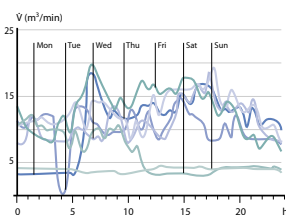
Type	Air flow according to ISO 1217 (annex C-1996)			Motor power	Length	Width	Height	Weight
	8 bar (m ³ /min)	10 bar (m ³ /min)	13 bar (m ³ /min)	kW	mm	mm	mm	kg
SCG 181	22.71	19.61	17.56	132	3000	1650	2025	3100
SCG 181/180	24.58	21.70	18.39	132	3000	1650	2025	3350
SCG 221	27.01	24.23	20.17	160	3000	1650	2025	3300
SCG 221/180	29.35	26.00	22.34	160	3000	1650	2025	3500
SCG 271	35.38	31.56	27.95	200	3000	1650	2025	3900
SCG 271/246	36.60	32.89	28.00	200	3600	2100	2200	4150
SCG 341	42.37	39.44	33.95	250	3000	1650	2025	4050
SCG 341/246	46.63	41.21	36.10	250	3600	2100	2200	4350
SCG 431	55.30	49.50	34.20	315	3600	2100	2200	5500
SCG 481	61.80	55.30	49.40	355	3600	2100	2200	5750
SCG 541	66.50	61.90	55.20	400	3600	2100	2200	5900

air and water-cooled model available
various systems of heat utilization available

Operating conditions/pressure Day profile



Air flow Week profile



In typical installations 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.



Concepts, systems, solutions

We offer more than just compressed air ...



Worldwide service

- service by professional employees
- original spare parts, always on standby for delivery



Engineering

- research
- design
- system planning



Telemonitoring

- supervise your entire compressed air station from anywhere by means of global data communication



Environmental protection

- heat utilizing systems
- most modern preparatory processing available



Visualization

- online monitoring of your whole compressed air station



Accessories

- extensive choice of accessories for complete system solutions

... we welcome your challenge!



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

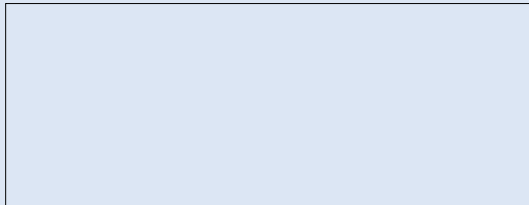
- Refrigeration dryers
0.16 – 145 m³/min
- Desiccant dryers
0.08 – 145 m³/min
- Activated carbon adsorbers
0.08 – 145 m³/min
- Filters, all particle sizes
0.08 – 380 m³/min
- complete condensate management up to 120 m³/min



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



An ABAC group company

ALUP
Kompressoren

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