



AQUARIUS S

OIL-FREE • WATER INJECTED •
SCREW COMPRESSOR • 15-22 KW

SCC'S UNCOMPROMISING COMPRESSED AIR SOLUTIONS WITH THE BEST PRICE-PERFORMANCE RATIO

SCC air compressors stand for quality, innovation and unbeatable value for money. Our high-performance compressed air solutions – from oil-free and oil-injected compressors to modern treatment systems – offer maximum efficiency and durability, ideal for small workshops to large industrial plants.

Our products combine state-of-the-art technology with energy efficiency to reduce your operating costs and protect the environment. Thanks to simple maintenance and reliable operation, they also impress under demanding conditions.

As a strong partner, we support you from consultation to maintenance. With SCC, you benefit from innovative technologies and economical solutions that revolutionise your compressed air supply.

AQUARIUS S – The sustainable Oil-free screw compressor – for clean compressed air in sensitive applications



AQUARIUS S

OVERVIEW OF AQUARIUS S MODELS

AQUARIUS S 15	15 kW · 8 bar · 10 bar	01
AQUARIUS S 18	18,5 kW · 8 bar · 10 bar	02
AQUARIUS S 22	22 kW · 8 bar · 10 bar	03

Find out more about the technical performance values on page 7.

OVERVIEW OF CUSTOMER BENEFITS

The AQUARIUS S is the new generation of our water-injected, oil-free screw compressors. The “S” stands for “Screw” and denotes the proven screw principle of this series. As a consistent further development of the AQUARIUS series, the AQUARIUS S delivers 100% oil-free compressed air and impresses with a completely newly developed compressor stage made of a special stainless steel alloy with PEEK-coated stainless steel rotors, an optimized cooling system, and the intelligent C90A control system.



100% OIL-FREE COMPRESSED AIR

The AQUARIUS S generates absolutely oil-free compressed air. This makes it ideal for sensitive applications where even the smallest traces of oil must be excluded.



NEW COMPRESSOR STAGE

The completely newly developed compressor stage with stainless steel housing and PEEK-coated stainless steel rotors reduces friction losses and ensures high efficiency. The high-performance plastic PEEK offers:

- Temperature resistance up to approx. 250 °C
- High wear resistance
- Excellent sliding properties
- High resistance to chemicals, steam, and hot water
- Minimal water absorption for consistently high dimensional accuracy
- Flame-retardant behavior with low smoke development in case of fire

The result is lower operating costs and a significantly longer service life.



OPTIMIZED COOLING WITH NEWLY DEVELOPED COOLING AIR DUCTING

The newly developed cooling air ducting reduces flow losses and increases cooling air throughput. This lowers operating temperatures, reduces the energy demand for cooling, and increases operational reliability. At the same time, the compressor's performance remains consistently high, even under demanding operating conditions.



AQUARIUS S

THE SUSTAINABLE

The innovative water injection cools the compression process without oil, reduces deposits, and eliminates the need for an external fresh water connection. The result is high energy efficiency, low operating costs, high operational reliability, and a long service life – even under demanding industrial conditions.



LOW COMPRESSOR TEMPERATURES

Water injection ensures low compression temperatures. This reduces the thermal load on components and consistently supports high compressed air quality.



NO EXTERNAL WATER CONNECTION REQUIRED

The integrated water recirculation system operates resource-efficiently and eliminates the need for an external fresh water connection. This reduces both water consumption and installation effort.



CLEAN COMPRESSION PROCESS

During compression, the water binds dust particles in the water circuit. This reduces deposits and minimizes maintenance requirements.



ROBUST INDUSTRIAL DESIGN

High-quality stainless steel components and durable materials ensure high reliability even in demanding continuous operation. The robust construction increases operational reliability and extends the service life of the entire system.



DESIGNED FOR SENSITIVE COMPRESSED AIR

Suitable wherever oil-free compressed air is required.



NEW C90A CONTROL SYSTEM

The modern C90A control system enables the control of up to 16 compressors in a network and offers easy integration into existing control systems via Modbus RTU (RS485).



C90A Control System

THE NEW C90A CONTROL SYSTEM

The AQUARIUS S is equipped with the new C90A control system, enabling intelligent regulation, monitoring, and convenient operation in daily use.



REMOTE CONTROL & AUTOMATIC RESTART.

Start and stop the compressor remotely. Automatic restart after a power drop without manual intervention.



CONTROL OF UP TO 16 COMPRESSORS

Compound operation without an additional master control, with integrated base load change function for even utilization of all units.



MODBUS CONNECTIVITY VIA RS485

Easy integration into higher-level control systems for central data exchange and monitoring.



PROGRAMMABLE INPUTS AND OUTPUTS

Individual connection of external signals and systems



TIME AND PRESSURE SWITCH

Individual configuration of operating times and pressure ranges with up to four schedules per day (Monday to Sunday) as well as four pressure sequences.



SPEED REDUCTION FOR FULL LOAD UTILIZATION

The control system automatically determines the optimal operating point – for higher volume flow at low pressure or higher pressure at low volume flow.



ADAPTABLE OPERATING MODES

Switching between different drive controls – from rigid operation via soft starters to speed control including fan speed control.



13 MENU LANGUAGES

Chinese, English, Russian, German, Spanish, French, Italian, Polish, Hungarian, Greek, Dutch, Danish, and Romanian.



AQUARIUS S

AQUARIUS S PERFORMANCE VALUES

Model	Nominal Power	Nominal Flow		Dimensions			Weight	Sound Level
		8 bar	10 bar	Length	Width	Height		
	[kW]	[m ³ /min]		[mm]	[mm]	[mm]	[kg]	[dB(A)]
AQUARIUS S 15	15	1,02 - 2,18	0,99 - 1,88	1.660	928	1.660	780	75 +/-3
AQUARIUS S 18	18,5	1,02 - 2,61	0,99 - 2,28	1.660	928	1.660	800	75 +/-3
AQUARIUS S 22	22	1,02 - 3,22	0,99 - 2,87	1.660	928	1.660	810	75 +/-3

Performance data according to ISO 1217, Annexe E.
Subject to technical changes and errors excepted.



ABOUT US

SCC air compressors is a provider of innovative compressed air solutions specialising in maximum efficiency, reliability and quality at the best price-performance ratio. With a wide range of industrial air compressors and compressed air accessories, we offer customised solutions for various industries, from manufacturing to medical technology.

Our products are characterised by advanced technology and environmental awareness. We focus on long-term partnerships with our customers and suppliers in order to achieve sustainable success together. We combine the tried and tested with the new and focus on loyalty, responsibility and environmental protection. Open to innovation and reliable in all areas - these are our principles.

Our employees are the driving force behind our success, and their motivation helps us to find solutions and dare to try new things. Our customers are at the centre of everything we do, and we build on respect, honesty and long-term relationships. Thanks to carefully selected suppliers, we can guarantee the quality of our products and work together successfully.

Our mission: quality, innovation and sustainability – for compressed air solutions that increase efficiency and create real added value.



SMART. CLEVER. COST EFFICIENT.

These characteristics are reflected in every component. Our technologies not only offer outstanding efficiency, but also help you to reduce operating costs. So you benefit from reliable performance and a sustainable investment for the future.



UNBEATABLE PRICE-PERFORMANCE RATIO

Our compressors combine top performance, high efficiency and low operating costs – for a long-term profitable investment.



HIGHEST QUALITY

Quality is our top priority – thanks to state-of-the-art technology and stringent controls, our compressors offer maximum reliability and durability.



TÜV ISO 9001 CERTIFIED

Tested top quality – TÜV ISO 9001 certification makes SCC air compressors a safe choice.



VDMA AND BRITISH COMPRESSED AIR SOCIETY MEMBER

As a member of the VDMA and the British Compressed Air Society, we benefit from a strong international network and dialogue with industry experts.

OUR SERVICES

Our services and performance offer you customised solutions for maximum efficiency and reliability. As experts in compressor technology, we understand the requirements of your industry and ensure that you always get the best performance. From selecting the right compressor to long-term maintenance, we offer you everything you need to optimise your operations. Rely on our many years of experience and innovative technology to make your production processes safe and sustainable.



COMPREHENSIVE ADVICE

SCC is your competent partner for all aspects of your compressed air station and compressed air application, whether it is a planned new purchase, addition or revision of the existing compressed air system or because you simply want to be sure that your compressed air system is running efficiently. With our expertise and experience, we can help you to find the best possible solution to your problem.



MAINTENANCE AND SERVICE

From checking the installation to optimising energy consumption, we offer comprehensive services for your compressed air station. We check your system for faults and leaks, analyse the compressed air demand with our data logger and simulate the optimum setting for your compressors. In this way, we help you to reduce costs and extend the service life of your devices.



TRAINING

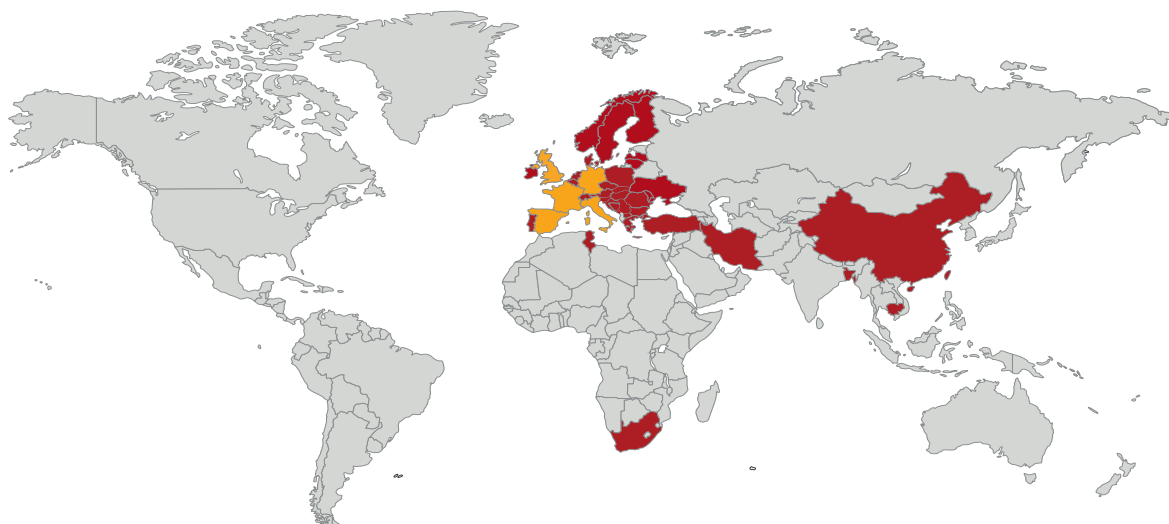
We provide you with practical knowledge and specialised knowledge of compressors, compressed air systems and their maintenance. This enables you to increase the efficiency of your systems, recognise potential faults at an early stage and reduce operating costs in the long term. Contact us to find out more about our training programme.

Our services increase your efficiency and ensure the long-term operation of your systems.



EUROPE-WIDE SALES AND SERVICE NETWORK

Our head office is located in Wendlingen am Neckar near Stuttgart. We support our Europe-wide dealer network and our direct customers via our branches in the UK, Italy and Spain as well as our sales organisation in France. This ensures that you always have a competent contact person close to you.





CONTACT US



Tolpec GmbH
Wertstraße 44
73240 Wendlingen
Germany



contact@scc-aircompressors.com



+49 7024 4088-0



www.scc-aircompressors.com

