

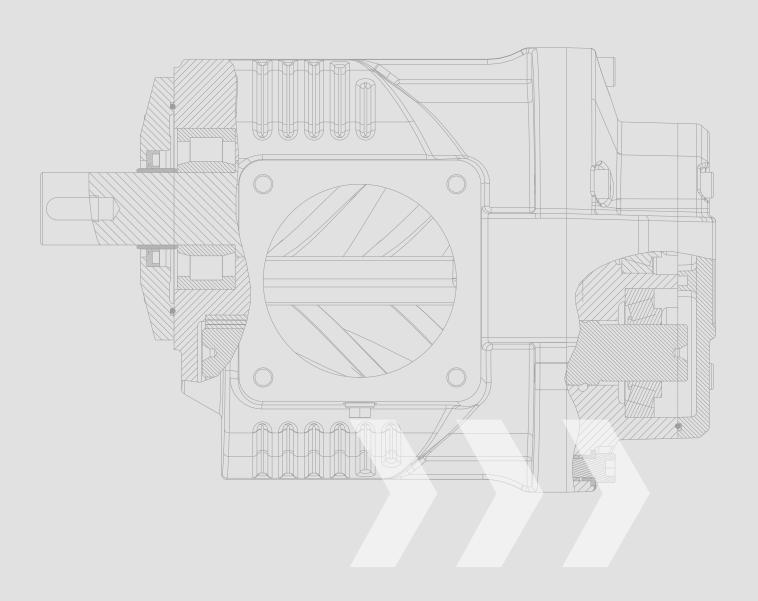
ROTORCOMP®

THE SCREW COMPRESSOR COMPANY



INNOVATION QUALITY RELIABILITY WORLDWIDE

YOU HAVE GREAT PLANS? WE WILL HELP YOU REALISE THEM.



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MOVING FORWARD TOGETHER

As long ago as 1980 we began specializing in screw compressor technology as an OEM supplier for compressor system manufacturer. Today, ROTORCOMP can offer you a comprehensive product portfolio 'Made in Germany': air ends und compact units, gas ends, booster units, as well as numerous engineered components and accessories. We grow with our customers. In consequence, we at ROTORCOMP are totally dedicated to the development, manufacture and sales of world-class compressors. This is the reason for constant further development of our product portfolio and our drive to address new markets.

> **LET US TALK ABOUT YOUR REQUIREMENTS. WE LOOK** FORWARD TO FULFILLING THEM!

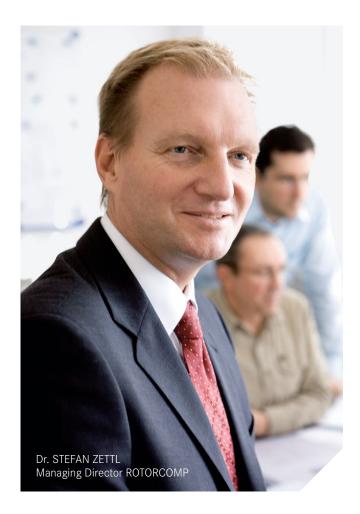
THE POWER OF INNOVATION

For more than 35 years and with over 450.000 oil-injected air ends and compact units delivered to the world market, innovation has always been the biggest driving force of our success. Since the foundation of ROTORCOMP, Heinz Bauer, CEO of the BAUER GROUP is the key driver pushing us to new frontiers.

The newly developed generation of oil-injected EVO® air end and EVO®-NK compact units are lively proof of this spirit. With EVO® and EVO®-NK our customers will be able to develop compressor packages at up to 25% lower specific energy (depending on type and pressure) compared to our old product range at considerable lower noise levels.

We at ROTORCOMP also dedicate ourselves to the environment and know humankind has to reduce greenhouse gases for a bright future of our planet. EVO® and EVO®-NK reduce CO2 emissions by 14 % on average which equals 150.000 tons per year (based on specific assumptions). EVO® provides ultimate efficiency with reduced noise.

We will continue with our strong expansion into the future. Together with our OEM customers, we create innovations and transform them into economic success.





WORKING UNDER PRESSURE? WE HAVE THE SOLUTION.

THE WORLD OF SCREW **COMPRESSORS**

ROTORCOMP is a leading OEM supplier of screw compressors. We provide oil-injected screw compressor blocks and we are also the world's largest supplier of compact units. From development to manufacturing, sales and service, you can find everything you need in the way of screw compressors, and all from one single supplier. As our customer, you can rely on a dedicated workforce whose daily task is the exact fulfilment of your wishes.

THE CUSTOMER IN FOCUS

Open and friendly employees are always ready to assist you. Whether it's a matter of technical details or the realisation of short-notice deadlines - the entire company is motivated by its dedication to fulfilling the customers' needs. One thing is certain: At ROTORCOMP everything is focused on our customers.

ABSOLUTE COMMITMENT THAT COUNTS

We do absolutely everything for our customers: Everything possible, and sometimes even more. Flexibility is our highest priority. Dependable delivery, quality and an excellent price-performance ratio - that's ROTORCOMP.

SUPERB COOPERATION

All our activities are focused on long-term, positive cooperation with our customers. Because, whoever is more than satisfied with our products, performance and service will return, and entrust us with their next project. Together with our customers, we are growing, entering new dimensions and constantly in search of further improvements.







QUALITY - "MADE IN GERMANY"

The absolute commitment to quality at ROTORCOMP is already seen in the fact that we develop, manufacture and test all our products in Germany. It is probably also "Typically German" that we don't leave anything to chance. For instance, we perform painstaking checks on incoming goods. All half-finished products are checked to the very last nut and bolt before they are allowed into the production process. At the end of the production line too – each product that leaves our factory is subjected to a whole range of exacting tests. And because we always make the highest demands on this, we are constantly improving our quality.

KNOWING WHAT COUNTS

Our workforce is our most valuable asset. Each member is qualified by consistent training in both administrative and technical areas. Our close cooperation with national and international universities promotes a lively exchange between theory and practice. In this way, many fresh ideas are soon to be found in our design, manufacturing and sales processes. Students benefit from the practical expertise of our employees that can be subsequently translated into a practice-relevant and customer-orientated context in their theses.





YOU VALUE EXCELLENT SERVICE? WE'RE ALWAYS THERE – JUST FOR YOU.

CUSTOMER SUPPORT COMPETENCE

OUR OEM CUSTOMERS ARE SUPPORTED PROFESSIONALLY AND EFFICIENTLY BY A CUSTOMER SERVICE BASED ON PARTNERSHIP.

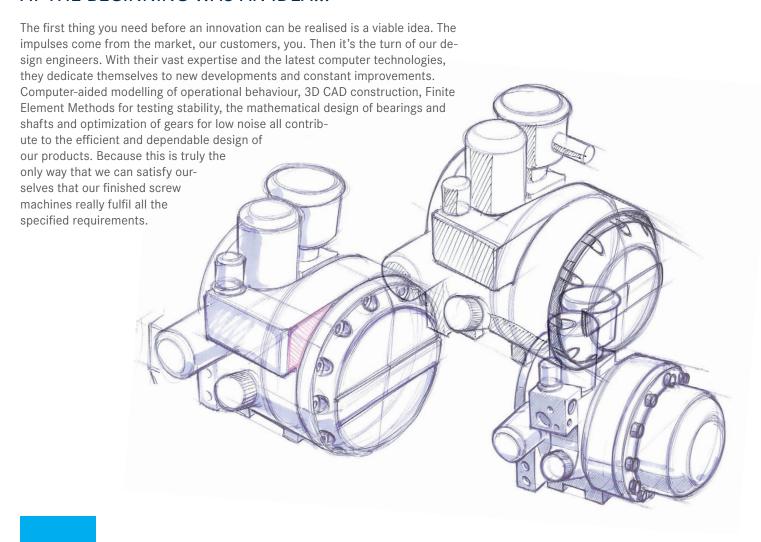
OUR SERVICE INCLUDES:

- > Technical advisory service
- > Training courses For example, on installation, operation, maintenance and repairs
- > Spare part service
- Warranty issues
- > Engineering Services Customer-specific support in the configuration of comp ressor systems built around our screw compressors
- > ROTORCOMP® SIZING AIR and SIZING GAS Recommends most efficient EVO® types, calculates performance data, indicates technical limits, provides essential information for your drive, determines important data for your cooling system





AT THE BEGINNING WAS AN IDEA...



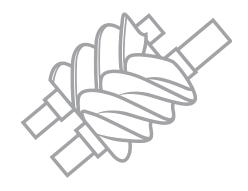
TESTING COMES BEFORE DELIVERY

Before the worldwide release of products is approved, they must first be subjected to extensive testing in our new testing centre. Only when the products pass their final tests are they good enough to fulfil the quality criteria demanded by ROTORCOMP - Made in Germany.

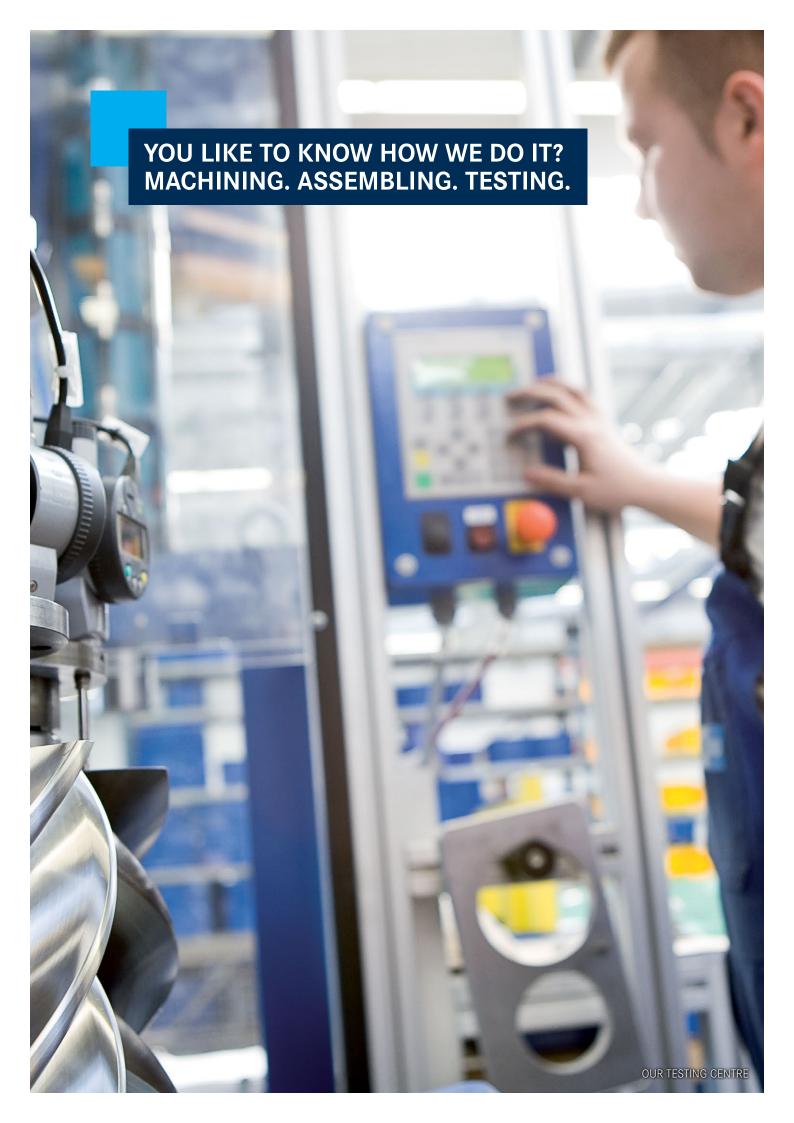




Our designs come to life on the production line. In the prefabrication phase, we produce the individual components that later become complete screw compressors. This is where our craftsmen then really get going. Each and every one of them applies a range of skills and individual contributions to the process. At the same time, the most modern machines, latest technologies and lively exchange between departments ensure the smooth progress of the manufacturing process, constant quality improvement and the highest possible level of process reliability. Nevertheless, we set high value on comfortable working conditions. Because, even with the best technologies – we at ROTORCOMP hold the members of our workforce and their unique and irreplaceable skills and abilities in high regard and do everything in our power to promote their advancement.

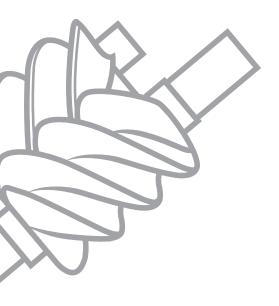


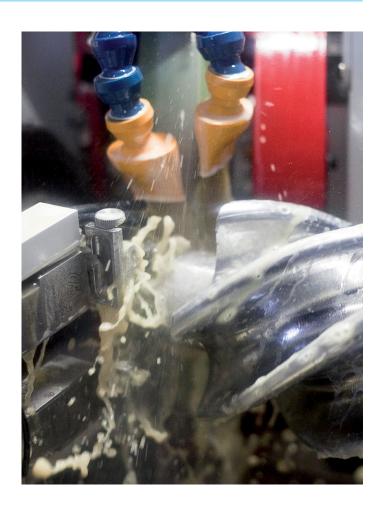




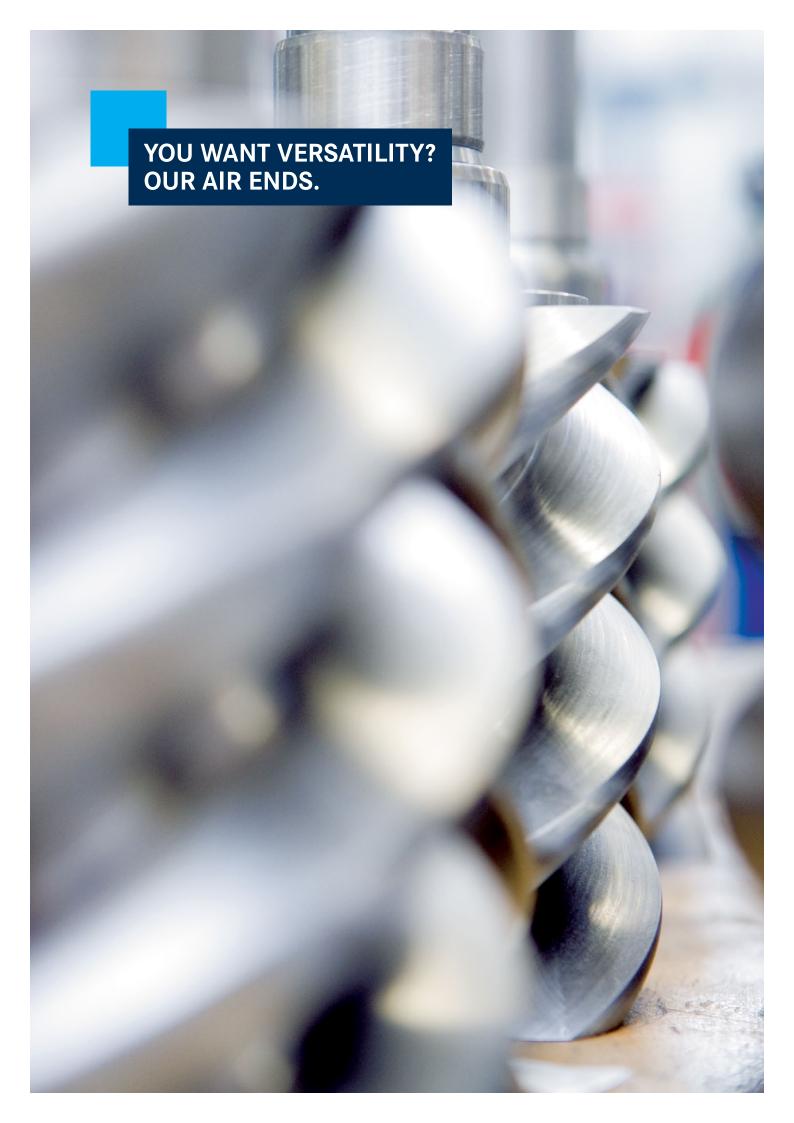
TRANSPARENT PRODUCTION **PHILOSOPHY**

For the assembly of our compressors we rely on an extremely flexible production system. In this way, we leave traditional rigid processes and move towards a simple and, above all, extremely transparent production philosophy. Our specialists can experience the satisfaction of seeing that each single step in the process increases the value of the manufactured product. And if the quality should ever be found to be less than expected, each member of the workforce is permitted to stop the process immediately. All in all, this process is employee-friendly, promotes motivation and is absolutely customer orientated.









EFFICIENT AND SILENT: EVO®

Our new EVO® oil-injected screw air ends are among the most efficient air ends in the world market today.

All of our 35+ years experience in the supply of our wellknown B air ends and NK compact units is built into our new EVO® generation ensuring a highly reliable product. Using EVO® as the heart, our OEM partners can build compressor systems with ultimate efficiency, low noise, at the highest quality standards.

EVO® RANGE

2.2 - 540 kW) Power range Volume flow up to 76 m³/min > Pressure range 5 - 15 barg

ADVANTAGES OF OUR NEW EVO® **TECHNOLOGY**

- > Unique ROLLING PROFILE® ultimate efficiency with reduced noise
- Long life cycle due to increased bearing dimensions and wear-free ROLLING PROFILE®
- Quality assurance bench test of every air end before leaving our factory
- Easy application selection with our new ROTORCOMP® SIZING AIR software
- > Highest flexibility for your package design



ALSO AVAILABLE WITH GEAR DRIVE



For a number of applications the use of a gear driven air end is the best choice. We provide a complete range of robust, flexible and highly efficient gear boxes for our oil injected air ends and compact units starting from the EVO3-G.

EVO®-G RANGE

) Power range 7.5 - 670 kW > Volume flow up to 105 m³/min > Pressure range 5 - 15 barg



UNIQUE, RELIABLE AND EFFICIENT: EVO®-NK

Our EVO®-NK compact units provide optimum operation reliability and reduced design costs for your compressor package. Further, they include all the advantages of our EVO® technology ensuring our OEM partners benefit from zero leakages, small space requirements, simplified service and maintenance, low engineering and assembly costs, and reduced logistics.

The following components are integrated into each compact unit: EVO® oil injected air end with ROLLING PROFILE®, intake valve with control unit and air filter, oil reservoir and oil separation system with coalescing cartridge(s), oil filter and oil thermo valve, minimum pressure valve and non return valve.



EVO®-NK RANGE

) Power range 2.2 - 75 kW Volume flow up to 11.5 m³/min > Pressure range 5 - 15 barg

ALSO AVAILABLE WITH GEAR DRIVE



EVO®-NK-G RANGE

7.5 – 75 kW Power range Volume flow up to 11.5 m³/min > Pressure range 5 - 15 barg

YOU WANT MORE THAN **COMPRESSED AIR?**

OUR GAS ENDS AND COMPACT UNITS



GAS ENDS AND COMPACT UNITS

Our gas ends and compact units provide optimum operating reliability and reduced design cost for your compressor.

All gas ends and compact units contain outstanding important features:

- > Different vi available
- Alternative shaft seal systems: low friction compound lip shaft seal, mechanical seal.
- No yellow metal is used in the gas end construction.

EVO®-GAS RANGE

• Power range 2.2 – 670 kW

Volume flow 12 - 6300 m³/min

Pressure range 4 - 17 barg

EVO®-NK-GAS RANGE

Power range 2.2 – 75 kW

Volume flow 12 - 600 m³/min

> Pressure range 6 - 15 barg

AREAS OF APPLICATION

ROTORCOMP gas ends and compact units are well-proven in many applications:

- > Vapour recovery
- Natural gas gathering
- > Biogas compression
- > Mine gas compression
- > Coal bed methane compression
- Microturbine boosting
- > Fuel gas boosting
- In H₂ reformer stations for fuel gas cells
- In CNG despenser stations as first stage



YOU WANT MORE PRESSURE?

OUR TWO STAGE COMPRESSORS & BOOSTERS

TWO STAGE COMPRESSORS

Multi staging is employed for higher overall efficiency, high pressures and less noise. The thrust balancing piston arrangement incorporated in the multi staging models minimizes thrust loading thus increasing the bearing life.

MT-G TWO STAGE AIR END RANGE

250 - 570 kW) Power range Volume flow 19 - 42 m³/min

> Pressure range 21 - 40 barg



AREAS OF APPLICATION

Some applications of ROTORCOMP Two stage air ends and Booster modules:

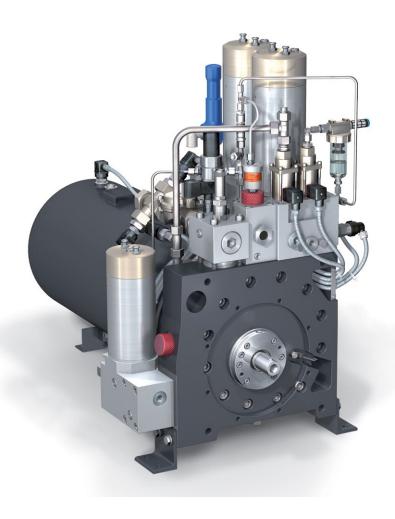
- > Downhole drilling
- > PET bottle blow molding
- > Nitrogene generation
- Instrument air for power plants
- > Process air

BOOSTER MODULES

The booster module line MK80 is an oil-injected screw compressor employed as a second stage for a final working pressure of up to 40 barg. The following components are integrated: Screw compressor, Oil separator tank, Oil fine separator, Oil filter, Oil thermostat valve, Complete safety sensor technology, Electronic monitoring.

MK80 BOOSTER MODULE RANGE

) Power range 10 - 48 kW 2 - 11 m³/min Volume flow Pressure range 25 - 40 barg Intake pressure range 6 - 14 barg



COMPONENTS AND ACCESSORIES

COMBI COOLERS

ADVANTAGES

- Good overall heat transfer coefficent
- Optimum geometry for compressor packagers
- > Reduced pressure loss
- > Vacuum soidered without solding residues
-) Low Weight
- Quality assurance done by ROTORCOMP
- > Short delivery time from our Logistics Center
- Cost effective

RANGE FOR AIR COMPRESSORS

> Power range 5.5 - 400 kW) Oil volume flow 15 - 400 I/min 120°C Max. working temperature

) Max. working pressure 16 barg

RANGE ALSO FOR GAS COMPRESSORS AVAILABLE



ACCESSORIES

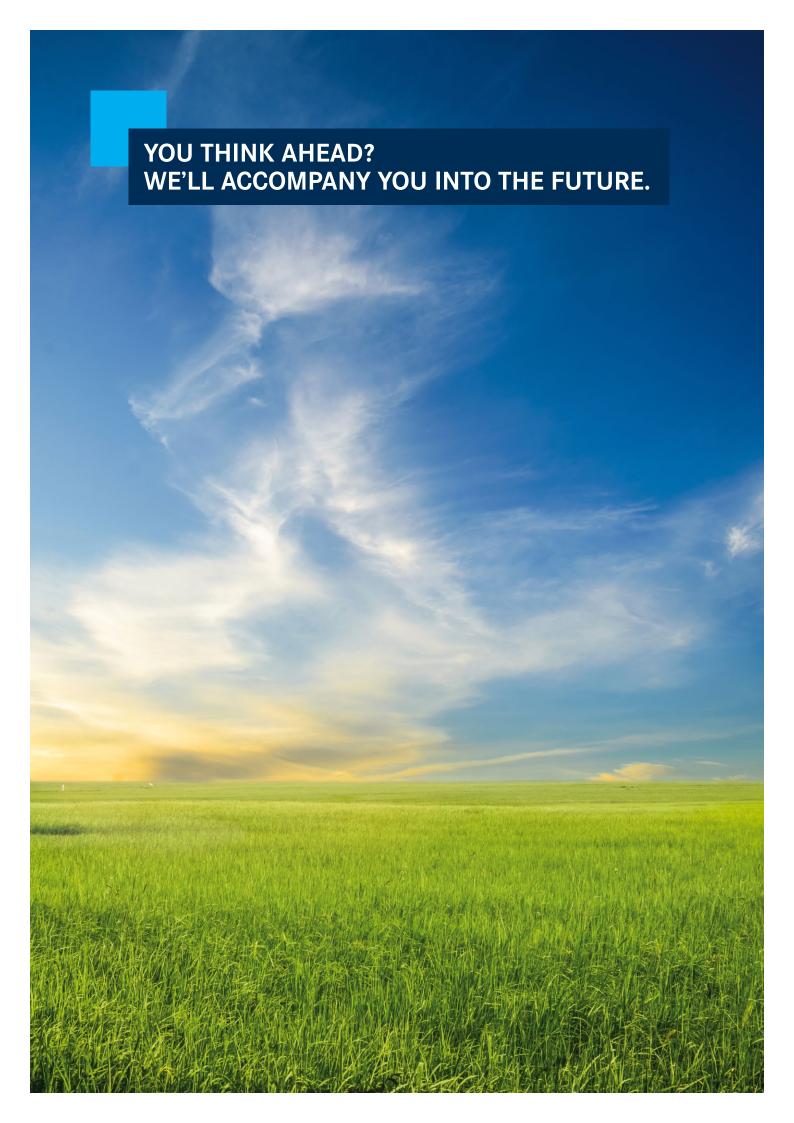
- Air intake regulator pneumatic or electric with filter and housing
- > Multibloc stand alone with integrated oil thermo valve, oil filter, separator cartridge and minimum pressure valve
- > Final pressure switch
- Safety pressure switch
- > Safety valve
- > Temperature sensor
- > Pressure gauge
- Maintenance indicator



GENUINE ROTORCOMP® SPARE PARTS

ROTORCOMP offers spare parts and maintenance kits for your air end or compact unit. Factory-developed maintenance kits simplify your professional service. Guaranteed availability from ROTORCOMP assures your planning certainty. Genuine ROTORCOMP spare parts of proven quality guarantee the reliability and durability of your compressors.





IN RETROSPECT

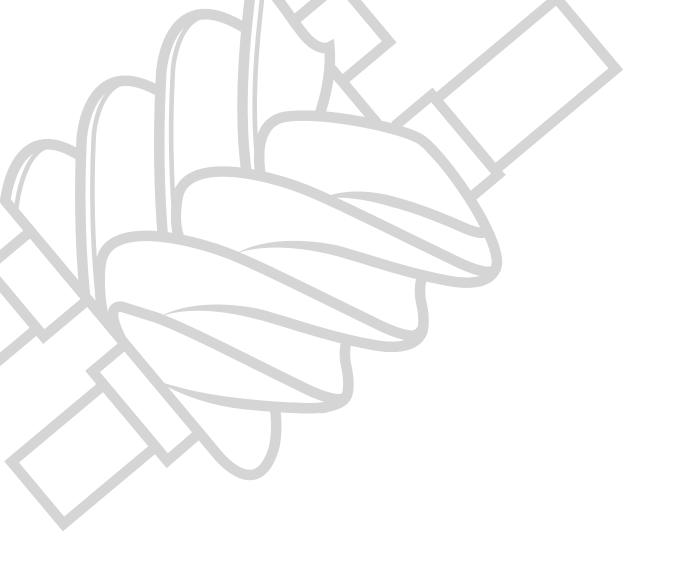
ROTORCOMP is a member of the BAUER GROUP - an efficiently structured family enterprise which has about 70 years experience in the manufacture of compressors. BAUER started producing screw compressors as early as 1965. Naturally we went through a lot of innovative changes since then:

1978	Development of our first own screw compressor with first generation of "Rolling Profile®"
1980	Foundation of ROTORCOMP VERDICHTER GmbH in Munich, Germany
1991	Delivery of the first encapsulated screw compressor NK 40
1996	Complete product line of air ends (B-series) from 5.5 up to 110 kW (up to 15 barg)
1998	Complete product line of compact units (NK-series) from 5.5 up to 45 kW (up to 15 barg)
1999	ROTORCOMP delivers more than 10.000 screw units per year
2000	Delivery of the first serial booster module MK 80 (up to 40 barg, 45 kw)
2002	Start up of our new state of the art factory UNICCOMP in the south of Munich for production of screw compressors blocks and compact units, as well as high pressure piston compressor blocks.
2006	Formation of the business unit SCREW COMPRESSOR TECHNOLOGY within the BAUER GROUP; responsible for marketing & sales, product development and production of screw compressors
2007	Expansion of our factory to increase production capacity for machining operations and rotor production for screw compressors
2007	Start up of the new test centre for endurance tests of new or modified screw compressors for worldwide approval and continuous monitoring of serial production to ensure highest quality Made in Germany
2007	ROTORCOMP delivers more than 30.000 air ends and compact units per year to the world market and is a leading supplier of oil-injected screw compressors for OEM customers
2010	30 Years of INNOVATION – Introduction of 2 new and innovative product generations to the world market: EVO® oil-injected air ends, EVO®-NK oil-injected compact units
2013	Introduction of EVO®/EVO®-NK-Gas – our new product line of gas compressors
2014	Extension of our product portfolio with new EVO® air and gas ends up to 670 kW 105 m³/min 17 barg and MT two stage screw compressors up to 570 kW 42 m³/min 40 barg
2017	ROTORCOMP delivers screw compressor unit no. 500.000 to the world market
2019	Start-up of our new ROTORCOMP Logistics Center in the south of Munich to ensure short delivery times and high delivery reliability for our products "Made in Germany"

LOOKING TOWARDS THE FUTURE

We have great plans for the future. We are opening up new markets and increasing our global market share. As a leading player in the open OEM market for oil-injected screw compressors, we are looking forward to many more mutual successes at the side of our customers.

This is what we work for – today, tomorrow and far into the future.





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