

EVO®-NK

NEW GENERATION OF COMPACT UNITS



EVO®-NK — SCREW COMPACT UNITS

UNIQUE AND RELIABLE

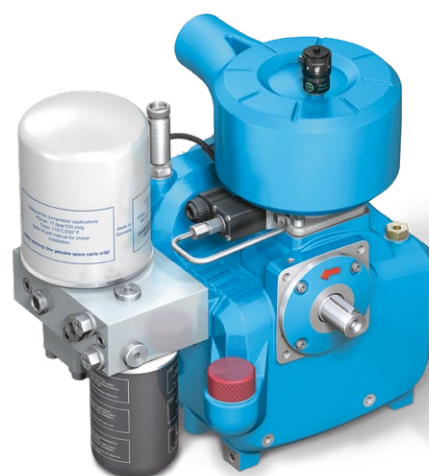
Our unique series of EVO®-NK compact units are oil-injected screw compressor modules that integrate the main parts of a compressor system. This solution is the best possible way to build a reliable, compact and cost efficient complete compressor package with ultimate efficiency, low noise and the highest quality standards.



EVO1-NK



EVO2-NK



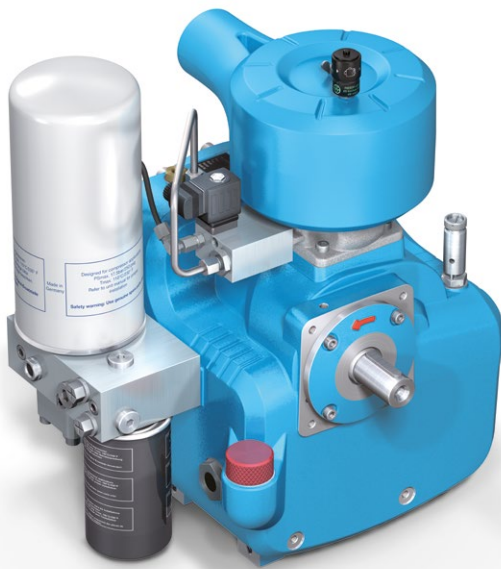
EVO3-NK

WHY TO USE EVO®-NK COMPACT UNITS?

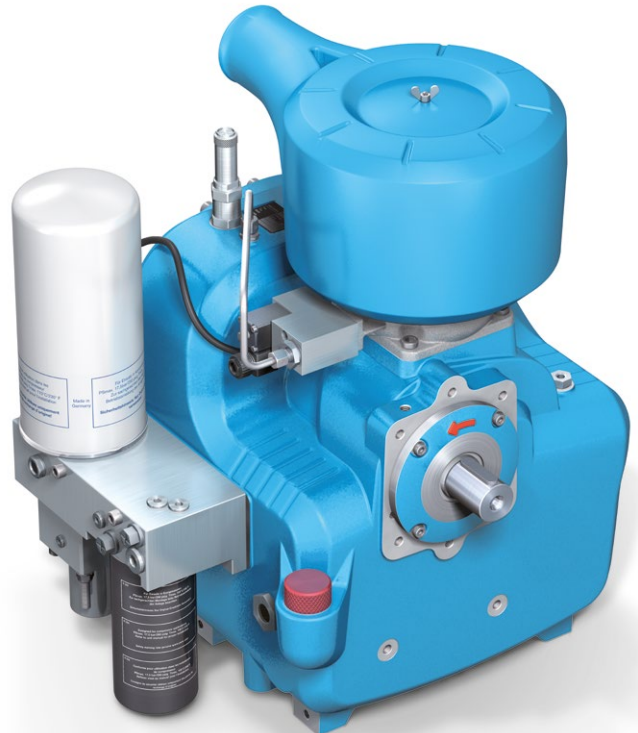
- › High operation reliability – designed for industrial applications and continuous operation
- › Includes all advantages of our built-in EVO® technology
- › Each compact unit is tested as a complete system before leaving our factory
- › No leakages due to reduced piping and connections as well as sealing with O-rings (Viton®)
- › Optimized compact design with very low space requirements
- › Simplified service and maintenance as all components are easily accessible from one side without special tools
- › Reduced engineering, manufacturing and logistic costs for your compressor package compared to conventional compressor systems with an air end and separate components

INTEGRATED COMPONENTS ARE

- › 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 and non return valve
- › Various options available such as safety valve, oil level sight glass, maintenance indicators



EVO6-NK



EVO9-NK

TECHNICAL DATA

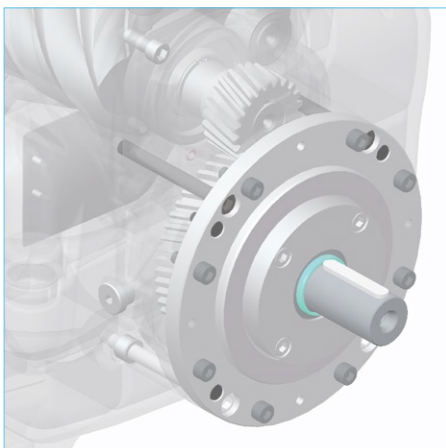
Type	Recommended motor power min.-max.		Max. flow rate		Pressure range min.* – max.		Net weight	
	kW	hp	m3/min	cfm	barg	psig	kg	lbs
EVO1-NK	2.2-5.5	3-7.5	0.8	30	5-15	70-220	34	75
EVO2-NK	4.0-11.0	5-15	1.6	60	5-15	70-220	42	93
NK31	3.0-7.5	5-10	1.2	43	5-15	70-220	42	93
EVO3-NK	7.5-18.5	10-25	2.7	96	5-15	70-220	53	117
EVO6-NK	15-37	20-50	5.5	200	5-15	70-220	105	231
EVO9-NK	22-55	30-75	8.4	300	5-15	70-220	202	445
NK200	45-75	60-100	11.8	420	5-15	70-220	263	580

* reduced maximum power and maximum rotation speed input at pressure below 7 barg.

EVO®-NK-G WITH GEAR DRIVE

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 built-in gear boxes for our oil injected air ends starting from EVO3-NK-G.



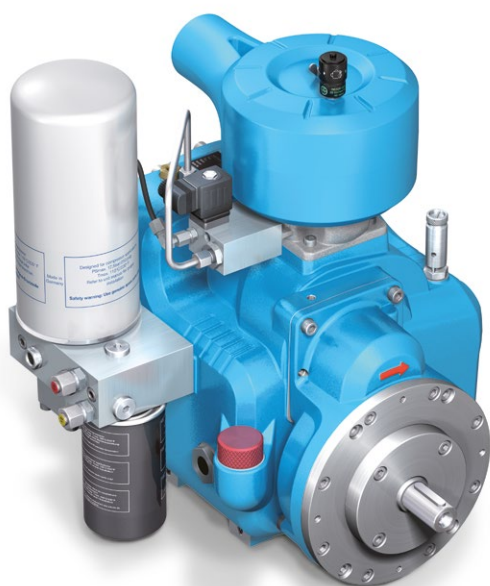
EVO3-NK-G

ADVANTAGES OF OUR EVO® TECHNOLOGY

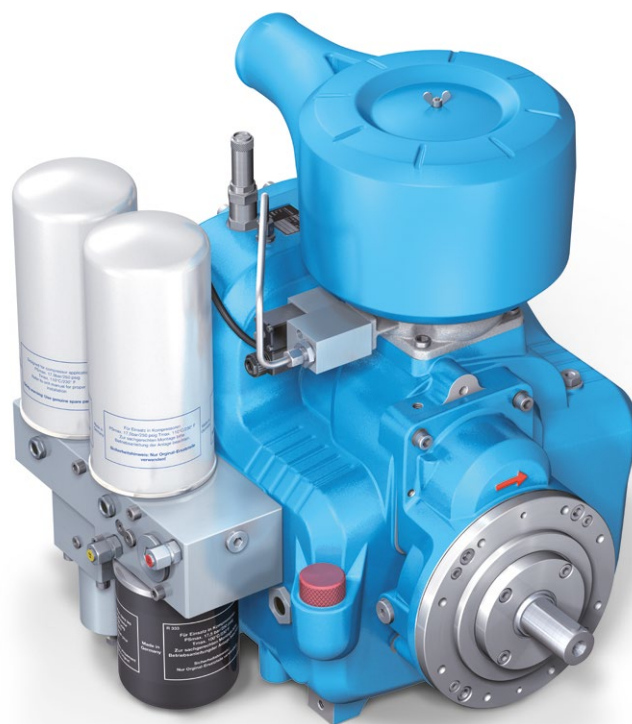
- › New ROLLING PROFILE® – ultimate efficiency with reduced noise
- › Long life cycle due to increased bearing dimensions and wear-free ROLLING PROFILE®
- › Wide operating pressure range from 5 to 15 barg
- › High quality manufacturing and assembling – “Made in Germany”
- › Quality assurance – bench 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
 - Suitable for all types of drive motors
 - Drive options: Belt drive, direct drive, internal gear drive
 - Base and face-flange mounting

ADVANTAGES OF OUR GEARBOX DESIGN

- › Low energy losses and low noise due to optimized gears and gearbox design
- › Highly robust construction with long lifetime and low maintenance
- › Compact design with wide range of gear ratios
- › Simplified maintenance through
 - easy replacement of shaft seal
 - easy mounting and demounting from air end
 - easily exchangeable gears if needed



EVO6-NK-G



EVO9-NK-G

TECHNICAL DATA

Type	Recommended motor power min.-max.		Max. flow rate		Pressure range min.* – max.		Net weight	
	kW	hp	m³/min	cfm	barg	psig	kg	lbs
EVO3-NK-G	7.5–18.5	10–25	2.6	93	5–15	70–220	69	152
EVO6-NK-G	15–37	20–50	5.5	200	5–15	70–220	135	297
EVO9-NK-G	22–55	30–75	8.4	300	5–15	70–220	229	505
NK200-G	45–75	60–100	11.8	420	5–15	70–220	304	670

* reduced maximum power input and rotation speed at pressures below 7 barg



EVO®

SILENT EFFICIENCY



YOUR CALCULATION ASSISTANT

ROTORCOMP SIZING AIR SOFTWARE

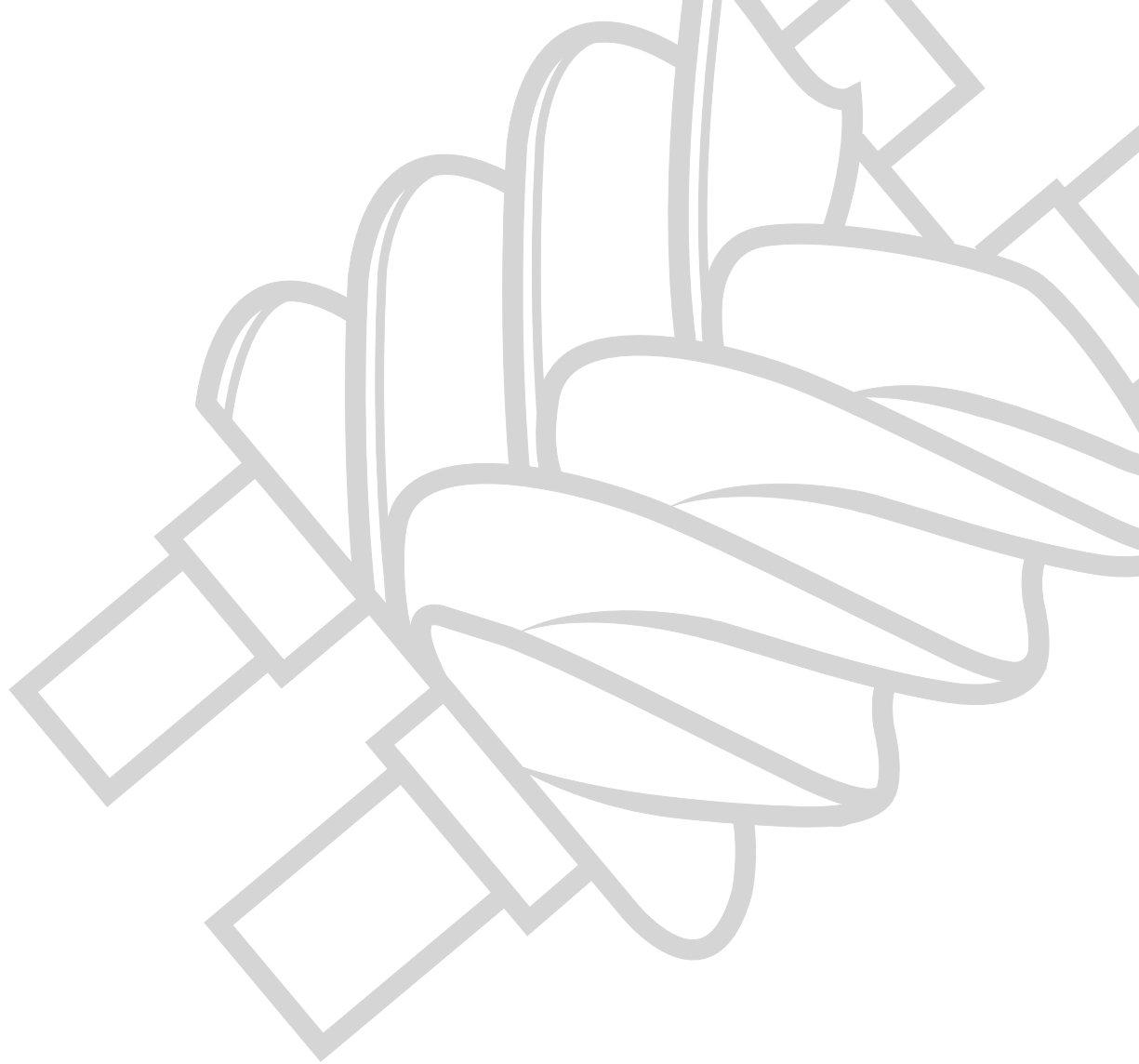
- › Recommends the most efficient EVO® types
- › Calculates performance data
- › Indicates technical limits
- › Provides essential information for your drive
- › Determines important data for your cooling system



OUR COMPANY



ROTORCOMP is one of the largest suppliers of oil injected air and gas ends and compact units to the world market. Concentrating on our core competence, the research, design, production and sales of oil injected screw compressors, we provide our products exclusive to OEM customers, packaging air or gas compressors. Embedded to the independent and privately held BAUER GROUP, we are a strong, loyal and faithful partner with customers in more than 60 countries all over the world. We guarantee world class product quality and reliability with our highly sophisticated factory, seated close to Munich in the south of Germany.



INTERESTED IN ONE OF OUR PRODUCTS?

**CONTACT US – WE ARE HAPPY TO PROVIDE
INFORMATION AND ASSISTANCE.**

ROTORCOMP VERDICHTER GmbH

Industriestraße 9
82110 Germering | Germany
Tel.: +49 (0)89 72409-0
Fax: +49 (0)89 72409-38
info@rotorcomp.de
www.rotorcomp.de



**PRODUCT OVERVIEW
EVO®-NK**

04/2019

Subject to change without notice