



# KAESER Product Range Overview

More compressed air for less energy

[www.kaeser.com](http://www.kaeser.com)

# Rotary screw compressors

Oil-injecting rotary screw compressors		
	<ul style="list-style-type: none"> <li>• SXC to HSD and AIRCENTER series</li> <li>• Advanced SIGMA CONTROL 2 controller</li> <li>• Optionally available with add-on refrigeration dryer (T-version) or variable speed control (SFC)</li> <li>• Heat recovery system for use of recyclable heat energy</li> </ul>	<p>Flow rate 0.26 – 86 m<sup>3</sup>/min            Gauge pressure 5.5 – 15 bar            Drive motor rated power 2.2 – 515 kW</p>
Dry-compression rotary screw compressors		
	<ul style="list-style-type: none"> <li>• CSG-2, DSG-2 and FSG-2 series</li> <li>• Optionally available with iHOC (dryer), frequency converter (SFC)</li> <li>• Advanced SIGMA CONTROL 2 controller</li> <li>• Two-stage compression</li> <li>• Heat recovery system for use of recyclable heat energy</li> </ul>	<p>Flow rate 3.2 – 50.8 m<sup>3</sup>/min            Gauge pressure 4 – 10 bar            Drive motor rated power 37 – 355 kW</p>
Heat recovery		
	<ul style="list-style-type: none"> <li>• Reuses warm air for heating</li> <li>• Feeds heat into heating and hot water systems</li> </ul>	<p>Up to 96 % energy reusable for heating purposes</p>

# Compressed air management system

SIGMA AIR MANAGER 4.0		
	<ul style="list-style-type: none"> <li>• Adaptive 3-D<sup>advanced</sup> Control</li> <li>• Integrated web server</li> <li>• Provision of key figures for energy management as per ISO 50001</li> </ul>	<p>Monitoring and control of all components within the compressed air supply system with a view to achieving maximum cost savings</p>

# Trades and workshop compressors

i.Comp series		
	<ul style="list-style-type: none"> <li>• KAESER i.Comp CONTROL or SIGMA CONTROL 2 controller</li> <li>• Oil-free reciprocating compressor with variable speed control</li> <li>• i.Comp 3: Available as portable or mobile version</li> <li>• i.Comp 8/9: Available either as a package, as a version with air receiver or as a version with refrigeration dryer and air receiver</li> <li>• Capable of 100 % duty cycles</li> </ul>	<p>Flow rate 117 – 570 l/min            Max. gauge pressure 11 bar            Drive motor rated power 1.5 – 4.2 kW</p>
PREMIUM series		
	<ul style="list-style-type: none"> <li>• Ideal for construction sites and workshops</li> <li>• KAESER quality for long-term dependability</li> <li>• Application-oriented solutions</li> </ul>	<p>Flow rate 83 – 440 l/min            Max. gauge pressure 10 and 20 bar            Drive motor rated power 0.75 – 3 kW</p>
CLASSIC series		
	<ul style="list-style-type: none"> <li>• Trades compressors with renowned KAESER quality</li> <li>• Exceptional value vs performance ratio</li> <li>• The right model for every need</li> </ul>	<p>Flow rate 109 – 234 l/min            Max. gauge pressure 10 bar            Drive motor rated power 1.1 – 2.2 kW</p>
EUROCOMP series		
	<ul style="list-style-type: none"> <li>• Stationary workshop compressors</li> <li>• Optionally available with sound enclosure</li> <li>• Vertical and horizontal versions available</li> </ul>	<p>Flow rate 116 – 1000 l/min            Max. gauge pressure 10 and 15 bar            Drive motor rated power 1.1 – 7.5 kW</p>

# Industrial reciprocating compressors

i.Comp 8 / 9 series		
	<ul style="list-style-type: none"> <li>• KAESER i.Comp CONTROL or SIGMA CONTROL 2 controller</li> <li>• Oil-free reciprocating compressor with variable speed control</li> <li>• Capable of 100 % duty cycles</li> <li>• Available either as a package, as a version with air receiver or as a version with refrigeration dryer and air receiver</li> </ul>	<p>Flow rate 291 – 570 l/min            Max. gauge pressure 11 bar            Drive motor rated power 3.1 – 4.2 kW</p>
K, KCCD, KCT, KCTD series (packages, systems)		
	<ul style="list-style-type: none"> <li>• Made in Germany compressor blocks</li> <li>• Modular construction system</li> <li>• Stringent quality assurance</li> </ul>	<p>Flow rate 59 – 780 l/min            Max. gauge pressure 7, 10 and 35 bar            Drive motor rated power 0.75 – 18.5 kW</p>
AIRBOX and AIRBOX CENTER series		
	<ul style="list-style-type: none"> <li>• Complete systems with SIGMA CONTROL 2 controller</li> <li>• AIRBOX CENTER: Complete air station with refrigeration dryer</li> <li>• Quiet operation thanks to innovative cooling system</li> </ul>	<p>Flow rate 770 – 900 l/min            Max. gauge pressure 7, 10 and 12.5 bar            Drive motor rated power – 7.5 kW</p>
N series boosters (package)		
	<ul style="list-style-type: none"> <li>• Efficient operation up to 45 bar</li> <li>• Finely tiered product range for every need</li> <li>• Ideal for PET container production</li> </ul>	<p>Flow rate 0.27 – 20.51 m<sup>3</sup>/min            Initial pressure up to 13 bar            Final pressure up to 45 bar            Drive motor rated power 2.2 – 37 kW</p>

## Booster series (complete systems)



- Compact complete system
- Ready for immediate connection with all required sensors and star-delta starter
- SIGMA CONTROL 2 controller
- Connectivity to SIGMA AIR MANAGER 4.0 master controller available

Flow rate 1.26 – 19.21 m<sup>3</sup>/min  
Initial pressure up to 13 bar  
Final pressure up to 45 bar  
Drive motor rated power 7.5 – 45 kW

## Marine

### Marine compressed air systems



- SX – HSD and AIRCENTER rotary screw compressors
- Optionally available with add-on refrigeration dryer and variable speed control
- Compact design with renowned KAESER quality
- Certification in accordance with all recognised classification societies (also available for blowers, refrigeration dryers and compressed air treatment components upon request)

Flow rate 0.26 – 86 m<sup>3</sup>/min  
Max. gauge pressure 8 / 10 / 14 bar  
Drive motor rated power 2.2 – 630 kW

# Compressed air treatment

Air receivers		
	<ul style="list-style-type: none"> <li>• Galvanised inside and outside</li> <li>• Vertical and horizontal versions</li> </ul>	<p>Volume 90 – 10,000 l Gauge pressure 11 – 47 bar</p>
Refrigeration dryers		
	<ul style="list-style-type: none"> <li>• TAH – TCH (KRYOSEC) series</li> <li>• TA – TG (SECOTEC) series with energy-saving SECOTEC control</li> <li>• TL – TW series</li> <li>• THP series (gauge pressure up to 50 bar)</li> <li>• TCU series (cool compressed air to +5 °C)</li> </ul>	<p>Flow rate 0.35 – 175 m<sup>3</sup>/min Pressure dew point down to +3 °C</p>
Membrane dryers		
	<ul style="list-style-type: none"> <li>• KMM series</li> <li>• Can also be used in decentralised applications</li> <li>• Optionally available with KB / KE prefilters</li> </ul>	<p>Flow rate up to 3.97 m<sup>3</sup>/min Pressure dew point +3 °C to -40 °C</p>
KAESER FILTER		
	<ul style="list-style-type: none"> <li>• Filter grade KB / KE – Coalescence filter</li> <li>• Filter grade KA – Activated carbon filter</li> <li>• Filter grade KD – Particulate filter</li> <li>• Filter grade KEA – Activated carbon filter with prefilter</li> </ul>	<p>Flow rate from 0.6 to 336.3 m<sup>3</sup>/min</p>

## Desiccant dryers



- DC series (heatless regenerative version)
- DW series (heat regenerative version)
- Equipped with prefilter and afterfilter

Flow rate 0.2 – 194.2 m<sup>3</sup>/min  
Pressure dew point down to -70 °C

## HYBRITEC combination dryers



- DTE, DTG, DTH, DTI, DTL, DTW series
- Refrigeration and desiccant dryer combination
- Prepared for summer and winter operation

Flow rate 12 – 150 m<sup>3</sup>/min  
Pressure dew points from +3 °C  
to -40 °C

## KC series centrifugal separators



- Maintenance-free centrifugal insert
- Differential pressure when new: < 0.1 bar
- With ECO-DRAIN condensate drain

Flow rate 0.9 to 336.3 m<sup>3</sup>/min

# Condensate treatment

ECO-DRAIN series condensate drains		
	<ul style="list-style-type: none"> <li>• Electronic level-sensing control</li> <li>• Dependable drainage with no pressure loss</li> <li>• Self-monitoring, exceptionally simple maintenance</li> </ul>	<p>For compressor flow rates up to 1,700 m<sup>3</sup>/min</p>
AQUAMAT and ESA series condensate separators		
	<ul style="list-style-type: none"> <li>• AQUAMAT series: Separation system for dispersions</li> <li>• Expandable with condensate distributor</li> <li>• ESA series: Separation system for emulsions</li> </ul>	<p>For compressor flow rates up to 120 m<sup>3</sup>/min</p>

# Oil-free reciprocating compressors

KCT blue series		
	<ul style="list-style-type: none"> <li>• Oil-free reciprocating compressors</li> <li>• With refrigeration dryer and air receiver</li> <li>• Also with SECCOMAT compressed air treatment system</li> </ul>	<p>Flow rate 62 – 500 l/min            Gauge pressure 7 and 12.5 bar            Drive motor rated power 0.75 – 2.2 kW</p>

# Portable compressors

MOBILAIR portable compressors		
	<ul style="list-style-type: none"> <li>• Petrol-, diesel- or electric-drive versions</li> <li>• KAESER rotary screw airend with SIGMA PROFILE</li> <li>• Also available with compressed air treatment and generator</li> <li>• With Anti-Frost Control (M 20 to M 82)</li> </ul>	<p>Flow rate 0.75 – 34 m<sup>3</sup>/min            Gauge pressure 7 – 15 bar            Drive engine/motor rated power 7.5 – 315 kW</p>
Tools		
	<ul style="list-style-type: none"> <li>• Breakers</li> <li>• Hammer drills</li> <li>• Economy hammers</li> </ul>	<p>Impact energy 12 – 74 Nm            Available with hand and T-grip</p>

# Rotary screw vacuum pumps

ASV/BSV/CSV series		
	<ul style="list-style-type: none"> <li>• Turnkey packages</li> <li>• With SIGMA CONTROL 2 controller</li> </ul>	<p>Intake capacity 4.75 – 15.7 m<sup>3</sup>/min            Final vacuum 99 %            Drive motor rated power 7.5 – 30 kW</p>

# Rotary lobe blowers

Compact series		
	<ul style="list-style-type: none"> <li>• Packages with sound insulation and accessories</li> <li>• BB – FB series: Turnkey systems with control cabinet and SIGMA CONTROL 2 controller</li> <li>• 21P – 84P series: Individual blocks</li> </ul>	<p>Flow rate / intake capacity 1.5 – 156 m<sup>3</sup>/min Gauge pressure up to 1000 mbar Vacuum to 500 mbar Drive motor rated power 1.5 – 250 kW</p>

# Rotary screw blowers

CBS to HBS series		
	<ul style="list-style-type: none"> <li>• Ready for connection, with SIGMA CONTROL 2 controller</li> <li>• Integrated Y/D starter or optionally with frequency converter</li> </ul>	<p>Flow rate 3 – 160 m<sup>3</sup>/min Gauge pressure up to 1100 mbar Drive motor rated power 7.5 – 250 kW</p>

# Turbo blowers

PillAerator series		
	<ul style="list-style-type: none"> <li>• Magnetic bearing turbo blowers</li> <li>• Wear-free operation</li> <li>• Oil-free and free from any particles</li> </ul>	<p>Flow rate up to 17,000 m<sup>3</sup>/h Drive motor rated power 150 – 300 kW</p>

# Services

SIGMA AIR UTILITY	
	<ul style="list-style-type: none"><li>• Turn fixed costs into variable costs</li><li>• Dependable supply, precision calculation</li></ul>
KAESER AIR SERVICE	
	<ul style="list-style-type: none"><li>• Rapid-response global service increases availability and reduces costs</li><li>• Maintenance and service contracts precisely matched to meet user's specific requirements</li><li>• Genuine parts for long-term dependability and energy efficiency</li></ul>
SIGMA SMART AIR	
	<ul style="list-style-type: none"><li>• Time savings through predictive maintenance</li><li>• Comprehensive KPI monitoring</li><li>• Available 24/7</li><li>• Billing according to volume of compressed air generated</li></ul>
Analysis and consultation	
	<ul style="list-style-type: none"><li>• Individually tailored solutions for maximum efficiency</li><li>• The path to an energy-efficient compressed air station</li><li>• Reduce energy costs with ADA (Air Demand Analysis) and KESS (KAESER ENERGY SAVING SYSTEM)</li></ul>

# The world is our home

As one of the world's largest compressed air system providers and compressor manufacturers, KAESER KOMPRESSOREN is represented throughout the world by a comprehensive network of branches, subsidiary companies and authorised partners in over 100 countries.

With innovative products and services, KAESER KOMPRESSOREN's experienced consultants and engineers help customers to enhance their competitive edge by working in close partnership to develop progressive system concepts that continuously push the boundaries of performance and compressed air efficiency.

Moreover, the decades of knowledge and expertise from this industry-leading system provider are made available to each and every customer via the KAESER group's global computer network.

These advantages, coupled with KAESER's worldwide service organisation, ensure that every product operates at the peak of its performance at all times and provides maximum availability.



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