

**KAESER**  
COMPRESSORS®

*Built for a lifetime.*



# At A Glance

*Compressed air, blower, and vacuum products*

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

# Built-for-a-lifetime™ Products

## Meeting all your air system needs

*KAESER's complete line of air system products includes industrial electric and portable rotary screw compressors with the highly efficient SIGMA PROFILE®, rotary lobe, screw, and turbo blowers, compressed air boosters, and vacuum packages. We also provide an unrivaled range of air treatment and other system components including tanks, piping, and controls. Our products are designed to work together to achieve maximum efficiency, reliability, and optimum performance. Add to that our expert system design, installation, and maintenance services and it's clear why KAESER is the Air Systems Specialist.*

## Built for a lifetime

Everyone talks about reliability but no one else in the industry has KAESER's rigorous "built for a lifetime" philosophy. Our goal is to establish long term relationships with our customers and we don't compromise on quality for the sake of short term financial returns. This means you can rest assured that our air system products will continue to deliver the air you need year after year.

## Premium efficiency

Energy costs are a significant portion of any air system's total cost. In fact, the annual energy bill to run a compressor can exceed its purchase price, and over many years energy accounts for 70% or more of the air system life cycle cost. KAESER's energy-saving equipment delivers significantly more air per kW, and our system designs have helped many customers save millions of dollars in energy every year.

## Custom Engineered Solutions

KAESER's Custom Engineered Solutions are compressed air, vacuum, and blower systems built to specification for the most demanding and challenging installations. These complete systems are designed for exceptional reliability, simple maintenance, and superior energy efficiency no matter what the installation limitations may be. They eliminate space, weather, and accessibility constraints and can significantly reduce construction, installation, and operating costs.

## Tailored to your application

KAESER specializes in evaluating each customer's compressed air application and providing the most efficient and effective air system solution. While the need for stable pressure, good air quality, system reliability, and energy efficiency is nearly universal, we know that each application is unique. Our wide product range lets us tailor each air system solution to meet your specific challenges.

## Service friendly

From the ground up, KAESER products have been designed with service in mind. By using fewer wearing parts and quality materials we ensure reduced maintenance, longer service intervals, and extended service life. Features like our automatic belt tensioners, quick fluid drain system, "one side" maintenance, and full access cabinet designs simplify service and lower your operating costs.



# Compressor and vacuum products



## Industrial Screw Compressors

KAESER's rotary screw air compressors feature the proprietary SIGMA PROFILE® airend. Available from 3 to 700 hp with capacities from 9 to 3044 cfm, and pressures up to 217 psig. Sigma Frequency Control models are available for superior part load performance. "T" versions with integrated dryer also available on most models.



## Screw Compressor Packages

KAESER also offers the AIRCENTER and AIRTOWER™—complete compressed air packages that integrate our compressor with controller, dryer, tank, and drain into one compressed air system. These systems are ideal where floor space is limited.



## Oil-free Screw Compressors

KAESER's oil-free rotary screw compressors are available with capacities from 192 to 1774 cfm. SFC units feature variable frequency drive (VFD) technology. An integrated heat of compression dryer (i.HOC®) or an integrated refrigerated dryer ("T" versions) are also available on most models.



## Booster Compressors

These single-stage units increase air system pressure up to 650 psig. Units range in size from 3 to 60 hp with capacities to 882 cfm. Booster compressors are ideal for applications where a moderate amount of high-pressure plant air is required.



## Rotary Screw Vacuum Packages

Available with capacities ranging from 166 to 551 acfm and 99% final vacuum, these units are equipped with TEFC motors from 10 to 40 hp. Switchable dual/modulation control and an internally mounted vacuum filter in the suction line are standard.



# Air treatment products and system components

## Refrigerated Air Dryers

KAESER has a variety of non-cycling and cycling dryers that efficiently remove moisture from your system to reduce equipment wear and improve productivity. Sizes range from 10 to 3,070 scfm.



## Desiccant Air Dryers

Available from 7 to 5400 scfm, these regenerative dryers produce pressure dew points as low as  $-94^{\circ}\text{F}$ . KAESER's heatless KAD and DC, heated purge KED and blower purge KBD complete KAESER's comprehensive desiccant dryer line.



## Compressed Air Filters

Designed with housings that have larger flow areas to ensure low pressure drop, these filters provide easy installation, operation, and maintenance. KAESER filters maintain high capture rates and filtration efficiencies across a wide range of flows, 20 to 11,875 scfm, and pressures up to 1000 psig.



## Drain Traps

KAESER'S condensate drain traps are available in several sizes to reliably remove condensed liquids and contaminants from tanks, dryers and filters throughout your compressed air system.



## Condensate Management

Our AQUAMAT condensate systems effectively separate oil and other contaminants from the water in compressor condensate. This promotes more economical and environmentally responsible disposal.



## SIGMA AIR MANAGER® 4.0

SIGMA AIR MANAGER® 4.0 combines the benefits of modern industrial PC technology with Internet technology to provide unparalleled compressor control, monitoring, and energy savings. Integrated KAESER Connect software provides enhanced reporting and enables end users to monitor air system operation from any location.



## System Instrumentation

KAESER MEASUREMENT TECHNOLOGY is a suite of intelligent sensors to continuously monitor key performance indicators throughout the entire compressed air system. Centralized monitoring through the SIGMA AIR MANAGER® 4.0 compressed air management system permits visualization of system performance metrics.



## SmartPipe™ Distribution System

Fast to install and easy to modify, KAESER's complete SmartPipe™ line is the most versatile compressed air distribution system available. Lightweight materials and simple connectors reduce installation time and fatigue, even in overhead installations. Leak free performance with low pressure drop. Available in eleven sizes from 3/4" to 10". From small shops to large industrial facilities, SmartPipe is great for a wide range of installation needs.



## Pressure Holding Valves

The DHS pressure holding valves prevent high velocity surge flows that can reduce the effectiveness of air treatment and possibly damage your dryers and filters. In addition to ensuring air quality they can also be applied downstream to maintain target pressures in your production/process equipment to reduce scrap and downtime.



## Air Receivers

Receiver tanks are important components in any compressed air system. They reduce compressor cycling and provide storage to meet peaks in demand without an excessive drop in system pressure. They also accumulate compressed air condensate and should always have condensate drains in order to efficiently remove contaminants from your system. KAESER offers tanks in many standard and custom sizes.





# Blower products



## Industrial Blowers

KAESER lobe, screw, and turbo blowers offer a wide range of options for industrial and process applications including fluid and wastewater aeration, pneumatic conveying, air knives, and vacuum. All are designed and built in keeping with KAESER's traditions of low noise, energy efficiency, and long term reliability.

## Bare Blowers

OMEGA<sup>®</sup> positive displacement lobe blowers offer flows to 5500 cfm, pressures to 15 psig and vacuum to 27" Hg. Our rigid quality control and testing ensure optimum performance and reliability. Available in gas tight and vacuum models, and with chromium-nickel alloy for distillation and steam applications.



## Complete Blower Packages

KAESER's Omega tri-lobe blower packages are renowned for their superior reliability and efficiency. Packages include TEFC motor, drive, and silencers. Also available fully integrated with sound enclosure, SIGMA CONTROL 2, and choice of soft-start fixed speed or variable speed control.



Service points are in front and utility connections are in the back, so units can be placed side-by-side to reduce footprint. Flows from 28 to 5500 cfm.

## Screw Blower Packages

KAESER's screw blower packages combine the energy efficiency savings of the SIGMA PROFILE rotary screw airend with the convenience of a complete blower package. The screw blower packages include TEFC motors, silencers, starters/drive, a full enclosure, and a full complement of sensors. Options include STC (wye-delta start) or SFC (variable frequency drive). Flows from 190 - 5650 cfm.



## Turbo Blower

With flows to 10,000 cfm, our turbo blower is ideal for large aeration and other process applications needing high efficiency, oil-free air. Features a liquid cooled dynamic magnetic bearing design that is friction, vibration, and maintenance-free.



# Portable compressors

## MOBILAIR®

Available from 60 to 1700 cfm, our rugged MOBILAIR® units are built for heavy duty civil and commercial construction, demolition, and industrial back up.



M55 diesel portable delivers 185 cfm



M255E(electric) delivers 990 cfm.



M500-2 diesel powered oil-free delivers 1600 cfm.

# Services

## SIGMA AIR UTILITY<sup>®</sup>

With KAESER's SIGMA AIR UTILITY<sup>®</sup> you get a reliable supply of compressed air tailored to your needs. Instead of a large capital expense, you pay a fixed monthly fee for a specified volume of air at the pressure and air quality you need for your specific application. Whether it's installed in your plant or outside in our weatherproof custom engineered enclosures, we'll monitor and service the equipment to prevent downtime.



## KAirFree

KAirFree is guaranteed clean, dry air as a service. We provide the compressor and clean air treatment. We monitor the compressor remotely and take care of any maintenance and service needed. You pay for the air you use. No hidden costs. One year plans available from 5 to 100 hp, with no penalty to upsize or downsize.



## ProTect Service Plans

KAESER offers fixed price service plans ranging from annual inspections to comprehensive five year ProTect Complete plan that covers all commissioning, inspection, maintenance and repair costs for five years. With ProTect Complete, KAESER remotely monitors covered equipment to address service needs to extend equipment life and minimize downtime. All parts, labor, and travel are included.



**KAESER COMPRESSORS**<sup>®</sup>  
*Built for a lifetime.*



**Kaeser Compressors, Inc.**  
511 Sigma Drive  
Fredericksburg, VA 22408 USA  
Telephone: 540-898-5500  
Toll Free: 800-777-7873  
info.usa@kaeser.com

**Kaeser Compressors Canada Inc.**  
3760 La Verendrye Street  
Boisbriand, QC J7H 1R5 CANADA  
Telephone: (450) 971-1414  
Toll free: (800) 477-1416  
info.canada@kaeser.com

**Kaeser Compresores de México S de RL de CV**  
Calle 2 #123  
Parque Industrial Jurídica  
76100 Querétaro, Qro.  
Telephone: 01 (442) 218 64 48  
sales.mexico@kaeser.com

**Kaeser Compresores de Guatemala y Cia. Ltda.**  
3a calle 6-51, zona 13  
Colonia Pamplona  
01013-Guatemala City  
Telephone: +502 2412-6000  
info.guatemala@kaeser.com