

Complete Compressed Air Systems

AIRCENTER™



Life Just Got Easier

If you are like most air compressor owners, you need a reliable source of clean, dry air that you do not have to think about on a daily basis. You have enough to do without designing and then installing a new compressed air system. To help keep things simple, Kaeser offers a complete compressed air system: the AirCenter™

The integrated AirCenter design reduces time spent in planning and purchasing your air system. We combine the reliability, energy efficiency and easy-to-service design of our industrial rotary screw compressors with a storage tank, and clean air treatment equipment. AirCenters are completely assembled and their compact design saves you precious floor space. They arrive wired and plumbed for fast and easy installation, saving you a lot of time and expense in installation.

AirCenters are available in simplex and duplex compressor configurations from a single 5 hp to twin 30 hp units, with pressures from 80 to 200 psig, and flows from 12 to 248 cfm. With so many models, we have the AirCenter to meet your specific needs.

No matter what size or configuration, our AirCenters offer tremendous value. The small footprint and super-quiet operation let you place the system almost anywhere, while the energy efficiency, easy maintenance and Kaeser durability offer the lowest possible life cycle cost.

Configurations To Suit Your Space



Duplex in end-to-end configuration for narrow aisles or against a wall



Duplex in corner arrangement



Duplex back-to-back arrangement for room center installation

NOTE: These diagrams show AS Series AirCenters. Duplex SK AirCenters may also be configured as shown. Both SK and AS duplex systems include a connection piping kit.

A Complete System

Kaeser AirCenters are the answer to many challenges. The integrated design makes installation easy and inexpensive. Simply connect the electrics and system piping and you are ready to go. The compressor and dryer are easily accessible for preventive maintenance. The compact design and super-low noise and vibration offer superior flexibility when selecting the installation location. Each system is factory-engineered to ensure all components are properly sized, and Kaeser offers AirCenters in both simplex and duplex configurations. Duplex models offer added energy efficiency by running only the compressor(s) needed to meet the current demand. They also offer back-up capability.



Duplex system

Built for a Lifetime

Kaeser AirCenters match Kaeser's industrial rotary screw compressors and high-efficiency refrigerated dryers with ASME or CRN storage receivers. All these components are mounted on a heavy-gauge frame. The result is a rock-solid package that offers many years of reliable service.

Complete Compressed Air System



Not Shown:

- 4 Filter located behind dryer
- 5 Drains for dryer and tank

1 Rotary Screw Compressors



Each Kaeser AirCenter is built around our industrial Sigma rotary screw compressor. These compressors offer the best combination of superb reliability, high air quality, low lifecycle costs. The cabinet design provides quiet operation and easy access for service.

Kaeser's rotary screw compressors feature the proprietary Sigma Profile which produces more air per kilowatt than other rotor designs. You get higher flows with lower energy bills.



2 Refrigerated Air Dryers



Refrigerated air dryers are essential for most applications, and that's why they are standard on all AirCenters. Whether they are integral to the compressor cabinet (as shown above) or deck-mounted next to the compressor, the dryer on a Kaeser AirCenter has been selected to match the output of the compressor. We use smooth-tube heat exchangers with non-fouling surfaces to reduce pressure drop. Dryers have built in moisture separators and automatic condensate drains.

3 Air Receivers



Receiver tanks play a vital role in your air system, and that is why every AirCenter has one. They separate bulk liquids from the air stream, reduce compressor cycling and store air for intermittent volume demands without a drop in system pressure. AirCenter tanks are ASME coded and include a properly sized safety relief valve and pressure gauge.

Optional Clean Air Treatment Package

Compressed air quality is critical for many applications. The optional Clean Air Treatment Package will ensure your system delivers consistently high quality air. It includes both a KOR coalescing oil removal filter and the Eco-Drain automatic condensate drain.

4 Coalescing Air Filter



The Clean Air Treatment Package includes the high performance KOR coalescing filter. KOR filters remove 99.99% of any residual oil liquids and aerosols, resulting in an exceptionally low carry-over of 0.01ppm w/w. They consistently remove particles such as dust, dirt, and rust as small as 0.01 micron.

This level of air quality is suitable for nearly any application, including media blasting, spraying expensive finishes, and operating expensive production machinery. The filter includes an internal drain and differential pressure gauge to indicate when to change the filter element.

5 Electronic Demand Drain



All AirCenters come standard with one Eco-Drain in the dryer (and on the receiver with the optional Clean Air Treatment Package). The Eco-Drain automatically removes liquid contaminants from the tank without wasting valuable compressed air.

Other Options

Kaeser Condensate Filter



The Kaeser Condensate Filter automatically removes lubricant from compressor condensate. This allows for easy and economical disposal

of compressed air condensate in an environmentally responsible way. The low-maintenance system requires no electricity for operation.

Energy Saving Dryer



For additional energy savings, some models are available with the Secotec cycling refrigerated dryer.

Variable Frequency Drive

Several models are also available with integral Sigma Frequency Control variable speed drive for the ultimate in energy savings.

Single compressor (Simplex) and dual compressor (Duplex) AirCenters

Model	Compressor Horsepower		Operating Pressure ¹ (psig)	Capacity (cfm) ²	
	Simplex	Duplex		Simplex	Duplex
SX 5 AirCenter ³	5	2 x 5	125	21	42
			150	17	34
SX 7.5 AirCenter ³	7.5	2 x 7.5	125	28	56
			150	24	48
SM 7.5 AirCenter ³	7.5	2 x 7.5	125	32	64
			150	26	52
SM 10 AirCenter ³	10	2 x 10	125	42	84
			150	35	70
SM 15 AirCenter ³	15	2 x 15	125	53	106
			150	44	88
SK 15 AirCenter ³	15	2 x 15	125	64	128
			150	54	108
SK 20 AirCenter ³	20	2 x 20	125	78	156
			150	65	130
AS 20 AirCenter	20	2 x 20	125	92	184
			150	77	154
AS 25 AirCenter	25	2 x 25	125	111	222
			150	94	188
AS 30 AirCenter	30	2 x 30	125	124	248
			150	104	208
SFC 8 AirCenter	10	N/A	125	48	N/A
			150	41	
SFC 11 AirCenter	15	N/A	125	74	N/A
			150	63	
SFC 18S AirCenter	25	N/A	125	113	N/A
			150	97	

¹ Higher pressures available upon request. Please consult factory.

² Performance rated in accordance with CAGI/PNEUROP PN2CPTC2 test code.

³ Available with optional energy-saving Secotec cycling dryer.

Specifications are subject to change without notice.

KAESER COMPRESSORS

Built for a lifetime.™

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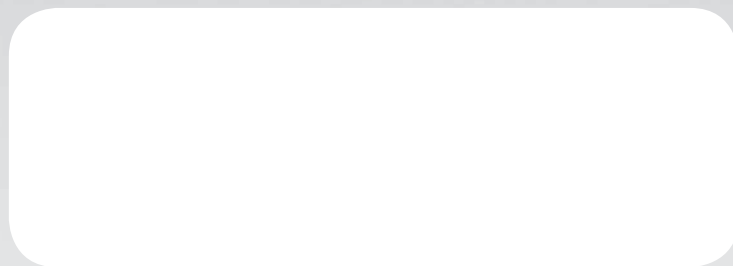
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Certified Management Systems



The Air Systems Specialist

With over 85 years of experience, Kaeser is the air systems specialist. Our extensive 100,000 square foot facility allows us to provide unequalled product availability. With service centers nationwide and our 24-hour emergency parts guarantee, Kaeser customers can rely on the best after-sales support in the industry. Kaeser stands committed to providing the highest quality air system for your specific compressed air needs.



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