

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



SK/AS duplex in end-to-end configuration for narrow aisles or against a wall



SK/AS duplex in corner arrangement



SK/AS duplex back-to-back arrangement for room center installation.

NOTE: SK/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 systems (SX 7 shown here) are available from 10-60 hp (24-248 cfm).

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



1

2

3

4 Filter located behind dryer

5 Drains in dryer and on 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. Kaeser refrigerated dryers produce dew points as low as 38°F. 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.

Options

Clean Air Treatment Package

Complete filtration and Eco-Drain package for easy field installation.

Variable Frequency Drive

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



SFC 18S with variable frequency drive and integral refrigerated air dryer.

Energy Saving Dryer

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



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

Model	Compressor Horsepower		Operating Pressure ¹ (psig)	Capacity (cfm free air)	
	Simplex	Duplex		Simplex	Duplex
SX 6 AirCenter ²	5	2 x 5	110	21	42
			145	17	34
			190	13	26
SX 7 AirCenter ²	7.5	2 x 7.5	110	30	60
			145	25	50
			190	20	40
SM 7.5 AirCenter ²	7.5	2 x 7.5	125	28	56
			160	23	46
			217	17	34
SM 10 AirCenter ²	10	2 x 10	125	42	84
			160	35	70
			217	27	54
SM 15 AirCenter ²	15	2 x 15	125	52	104
			160	44	88
			217	35	70
SK 15 AirCenter ²	15	2 x 15	125	64	128
			160	54	108
			190	40	80
SK 20 AirCenter	20	2 x 20	125	78	156
			160	65	130
			190	49	98
AS 20 AirCenter	20	2 x 20	125	92	184
			160	77	154
			190	60	120
AS 25 AirCenter	25	2 x 25	125	111	222
			160	94	188
			190	72	144
AS 30 AirCenter	30	2 X 30	125	124	248
			160	104	208
			190	84	168
SFC 8 AirCenter	10	N/A	110	48	N/A
			125	48	
			145	42	
SFC 11 AirCenter	15	N/A	110	75	N/A
			125	74	
			145	63	
SFC 18S AirCenter	25	N/A	110	113	N/A
			125	113	
			145	98	

¹ Other pressures (max 200 psig) available upon request. Please consult factory.

² Available with optional energy-saving Secotec cycling dryer.

Specifications are subject to change without notice.

KAESER COMPRESSORS

Built for a lifetime.™

Corporate Headquarters:
P.O. Box 946
Fredericksburg, Virginia 22404
Phone 540-898-5500
Fax 540-898-5520
www.kaeser.com

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.