



D Series

75 kW–160 kW

Oil-Free Rotary Screw Compressors
Fixed & Regulated Speed (RS)



OilFREE

Truly innovative oil-free
compressed air technologies

Choose oil free and eliminate the risk

Eliminate the Risk

For many industries air purity is a critical factor where even the smallest drop of oil risks contamination, such as:

- Product spoilage
- Production downtime
- Damage to production equipment
- Damage to brand reputation

Only oil-free compressors deliver oil-free air. Whether your applications are in food and beverage, life science, power generation, chemicals, pharmaceutical or electronics, it is vital to eliminate the risk of contamination. That's why you need a CompAir risk-free solution.

ISO CLASS:0
zero
PLUS SILICONE FREE

The logo features a dark blue circle with a light green leaf-like shape inside. The text "ISO 8573-1 (2010)" is written in a curved path around the top and right side of the circle.



ISO 8573-1 Class 0 & Silicone-Free Certified Products

For over 90 years, CompAir's oil free compressors have helped industries across the globe meet and exceed quality and production objectives in critical applications. Certified ISO 8573-1 Class Zero (2010) and silicone free, The D and DRS Series lead the industry with their ability to deliver 100% oil free air.

The ISO 8573-1 compressed air standard was revised in 2010 to address the requirements of critical applications where air purity is vital. This revision established a new stringent quality class standard, Class 0, to its already rigorous set of air purity standards.

Silicone contamination in compressed air systems will cause problems across a wide range of industries. Blisters, cracking, craters and a loss of adhesion are all symptoms of silicone contamination and will result in costly product spoilage and re-working in addition to production downtime.

The ISO 8573-1 CLASS 0 certified D Series compressors from CompAir offer the following benefits:

- 100% oil-free, guaranteed
- Specifically designed for use in pure-air critical applications such as the food & beverage industry
- Delivers the highest air quality standards

Class	Concentration total oil (aerosol, liquid, vapour) mg/m ³
0	As specified by the equipment user or supplier and more stringent than class 1
1	≤ 0.01
2	≤ 0.1
3	≤ 1
4	≤ 5

Our oil-free solutions are proven in thousands of applications across the world, providing **high quality, low cost air** in a diverse range of industries including:



Food and Beverage

Oil-free compressors that deliver no oil into the air stream and minimize microbial content through high-temperature compression reduces contamination risk for food and beverage manufacturers.

Pharmaceutical

The highly regulated pharmaceutical industry requires 100% total quality built into manufacturing processes. Compressed air quality must be validated as part of GMP.

Electronics

High air quality is critical in this industry - you can't afford downtime or product spoilage with wet or oily compressed air.



Chemical

Whether manufacturing cleaning solutions, base stock pharmaceuticals, or anything in between, the compressed air quality must be of the highest purity to minimize risk of production interruption or higher cost liability.

Textile

High-tech air jet looms require super-clean, dry, 100% oil-free compressed air, which is why CompAir has been a critical supplier to this industry for many years.

Utilities

Compressed air quality is too important to risk, so when specifying instrument air for utilities, most engineers request oil-free compressors.

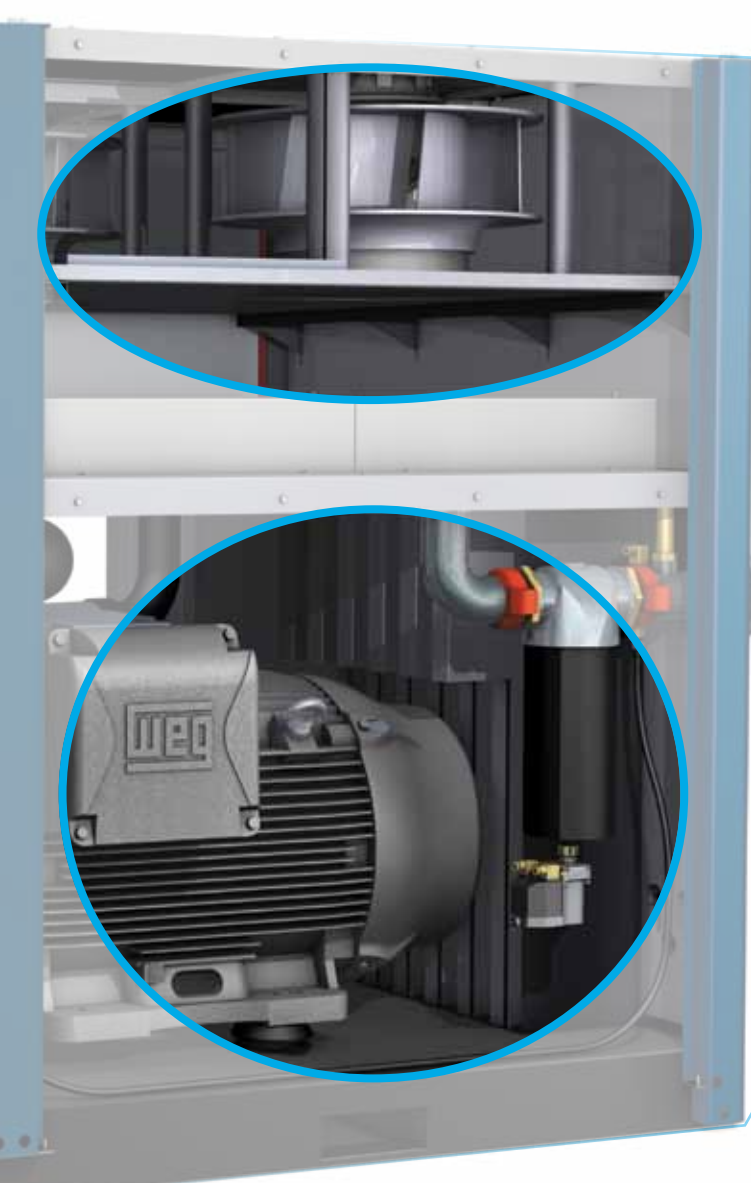
Designed for... Demanding Applications

CompAir's D and DRS Series oil free compressors offer industry leading performance in the most demanding applications through high efficiency components, low pressure losses, low temperatures and economical control.

Airend

- High output two stage airend assembly
- Coated rotors and housing
- Controlled by timing gears
- Pulsation damper/silencer





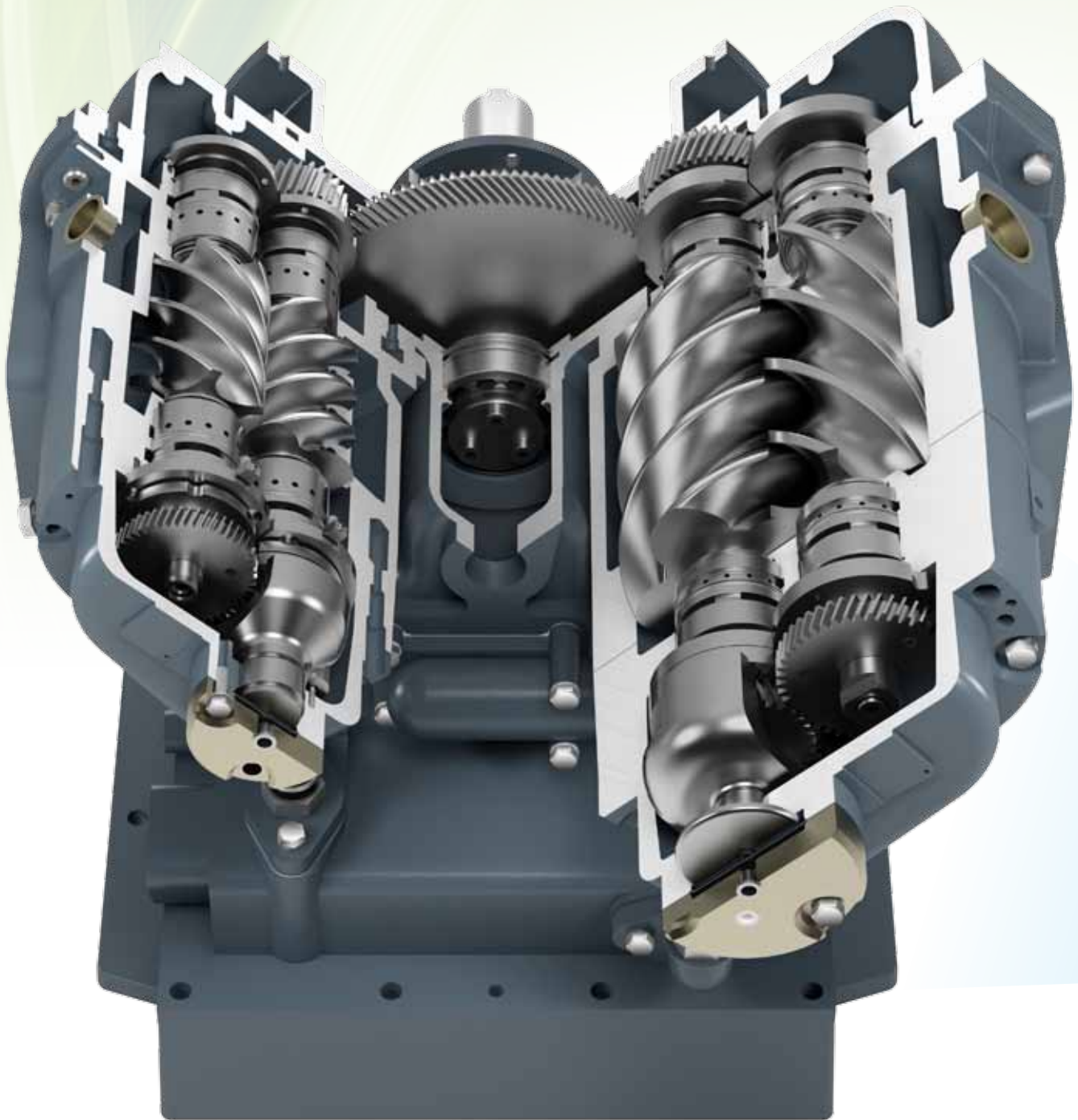
Cooling

- Two efficient cooling radial fans
 - Low noise level
 - Low pressure loss
- Optimum motor cooling
- Allows up to 113° F ambient temp
- Closed cooling water circuit
 - Ensures airend cooling for constant low temperature levels
 - Environmentally friendly coolant

Drive

- Premium efficient TEFC motors
- Superior reliability
- Automatic lubricators (main motor)
- Direct driven positive alignment via flexible coupling
- Two-stage moisture separator with automatic condensate drains

Lean on a trusted source – CompAir.



Low Service Costs

The innovative compressor design saves unnecessary service costs. All component parts are designed for a long service life and the generously-sized suction filters, oil filters and fine separators ensure excellent compressed air quality. Quick access service points allow servicing to be conducted in minutes, minimizing downtime and service costs.

Serviceability

- Easy open and removable door panels for complete access
- Simple spin on oil filter
- Effortless air filter access
- Delcos XL microprocessor monitor and protects the compressor, providing with operator status



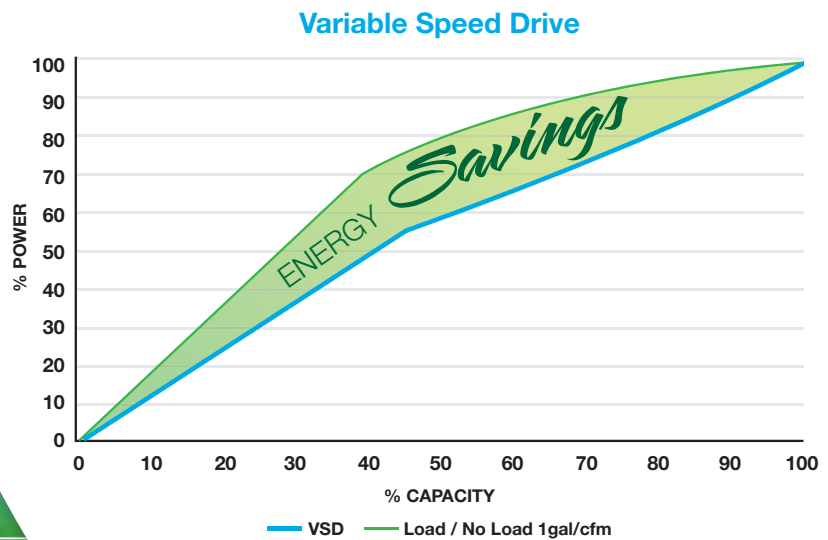
Maximum efficiency at any level of demand cuts energy costs and **saves money.**

- **Excellent efficiency**
- **High reliability**
- **Low cost of ownership**

Perfect Response to Your Individual Air Demand

Variable speed compressors from CompAir can efficiently and reliably handle the varying air demand. The right variable speed compressor in the right application delivers significant energy savings and a stable air supply at constant pressure.

Energy Savings . . .



Lean on a trusted source – CompAir

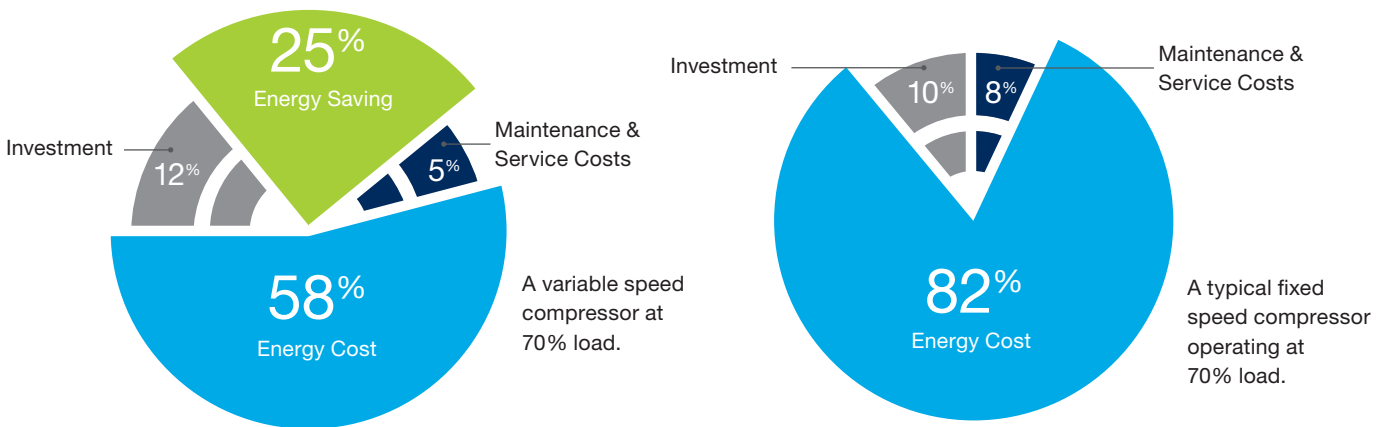
Reduce the Cost of Ownership and Minimize Your Energy Consumption

The largest cost component of a compressor during its lifetime is the power required to operate it.



Truly innovative oil-free compressed air technologies

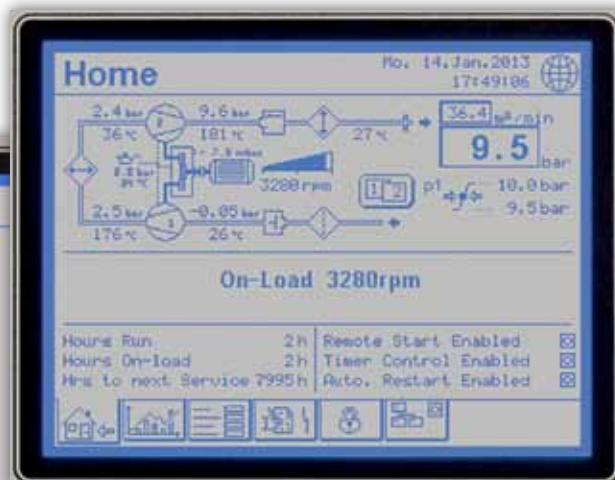
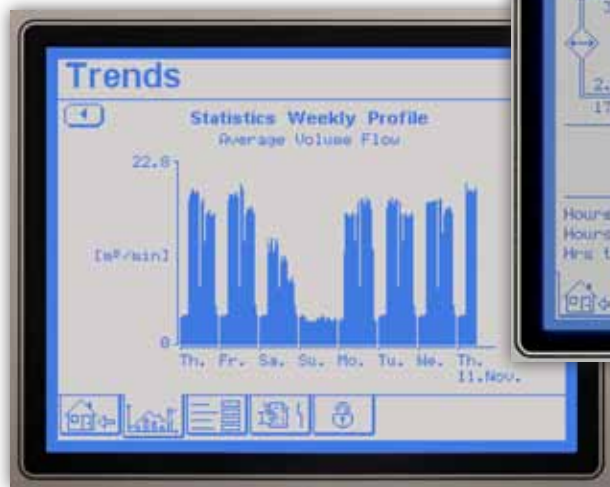
Variable Speed vs. Fixed Speed



Using a variable speed compressor can easily **save 25% energy** by using just the right amount of energy required to do the job and no more.

get in touch

with the next generation
of compressor controllers



State-of-the-art

CompAir completes its industry leading compressor packages with state-of-the-art intelligent Delcos microprocessor controllers. Featuring advanced software and an easy to use interface, CompAir's Delcos XL controller provides and displays an extensive amount of data on the operation of your compressor.

Built-In Intelligent Controls



Delcos XL Controller Features

- Real time clock
- Second pressure setting
- Touch Screen
- Discharge/line/network pressure data displayed
- Advanced fault history log
- Programmable inputs and outputs
- Auto restart after power failure
- RS485-Modbus RTU Standard
- SD card for data logging
- Optional Baseload sequencing to control multiple machines

Global Networks — CompAir

Service

Regular maintenance and service of CompAir products is critical to the performance and longevity of the equipment. Only CompAir can provide:

- The assurance that the investment will provide a lifetime of productivity.
- Aftermarket parts and services that are engineered for use in CompAir products.
- Peace of mind by turning to one supplier and one source for all aftermarket needs.

CompAir's extensive network of authorized independent distributors is your source for all your aftermarket and service needs. Our distributors have the capability to handle all customer service, service and technical support needs.

Warranty

CompAir's unique engineering philosophy ensures long-lasting, reliable equipment. Our standard warranty ensures that you've got peace of mind when it comes to your system's operation. For added protection, CompAir's extended warranty delivers one of the most comprehensive plans in the industry.

CompAir's extensive distribution base ensures superior local service with:

- Professional air audits to identify cost savings in your facility.
- Guidance on selecting the right compressed air solution for your specific application.
- Expert routine maintenance through factory-trained service personnel.



D Series – Technical Data ***Fixed Speed, Air-Cooled***

Model	Nominal Pressure (psig)	Drive Motor hp (kW)	Free Air Delivered ¹ (cfm)	Noise Level ² dB(A)	Dimensions L x W x H (Inches)	Weight (lbs) ³
D75	116	100 (75)	442	76	102 x 69 x 79	6665
	145		380	75		
D90	116	125 (90)	560	77	102 x 69 x 79	7125
	145		467	76		
D110	116	150 (110)	668	78	102 x 69 x 79	7198
	145		602	78		
D132	116	180 (132)	793	79	102 x 69 x 79	7566
	145		740	79		
D160	145	215 (160)	790	79	102 x 69 x 79	8034

- 1) Data measured and stated in accordance with ISO 1217 Edition 4, Annex C & E at the following conditions:
Air Intake Pressure 1 bar a/14.5 psi; Air Intake Temperature 20° C/68° F; Humidity 0 % (dry)
- 2) Measured in free field conditions in accordance with ISO 2151, tolerance ± 3 dB (A)
- 3) Water-Cooled option available. Contact factory for weights.

DRS Series – Technical Data ***Regulated Speed, Air-Cooled***

Model	Nominal Pressure (psig)	Drive Motor hp (kW)	Free Air Delivered ¹ (cfm)	Noise Level ² dB(A)	Dimensions L x W x H (Inches)	Weight (lbs) ³
D110RS	116	150 (110)	685	76	102 x 69 x 79	7227
	145		614	76		
D132RS	116	180 (132)	796	77	102 x 69 x 79	7663
	145		732	77		
D160RS	145	215 (160)	821	77	102 x 69 x 79	8131

- 1) Data measured and stated in accordance with ISO 1217 Edition 4, Annex C & E at the following conditions:
Air Intake Pressure 1 bar a/14.5 psi; Air Intake Temperature 20° C/68° F; Humidity 0 % (dry)
- 2) Measured in free field conditions in accordance with ISO 2151, tolerance ± 3 dB (A)
- 3) Water-Cooled option available. Contact factory for weights.

WWW.COMPAIR.COM



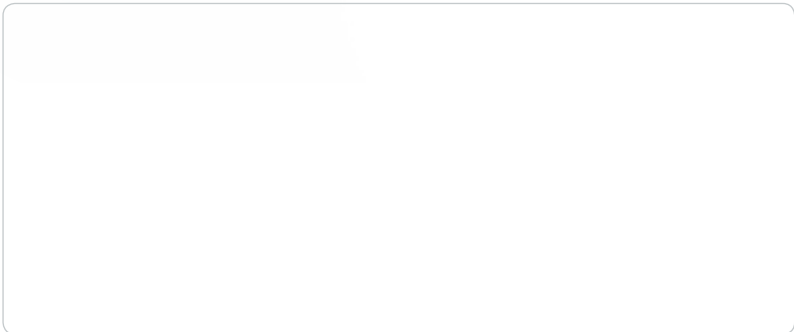
www.CompAir.com

www.CompAir.com/contact.asp

866-606-6131

CompAir USA
1301 North Euclid Avenue
Princeton, IL 61356
United States of America

CompAir Canada
2390 South Service Road West
Oakville, Ontario L6L 5M9
Canada



Please recycle after use.

©2013 Gardner Denver, Inc.
CU-D-DRS-OF 2nd 11/13

Printed in U.S.A.

