

EnviroAire T/TVS Series

75kW-160kW

Oil-Free Rotary Screw Compressors

Fixed & Variable Speed

 **OIL FREE**



ISO CLASS : 0
PLUS SILICONE FREE
ISO 8573-1 (2010)

GD
GARDNER DENVER

Experience Proven Results™

Gardner Denver

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 that can have effects 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 Gardner Denver risk-free solution.



ISO CLASS : 0 PLUS SILICONE FREE ISO 8573-1 (2010)

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

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.

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

Why Silicone-Free?

Silicone contamination in compressed air systems will cause problems across a wide range of industries, not least of all the automotive industry where a high quality finish is essential.

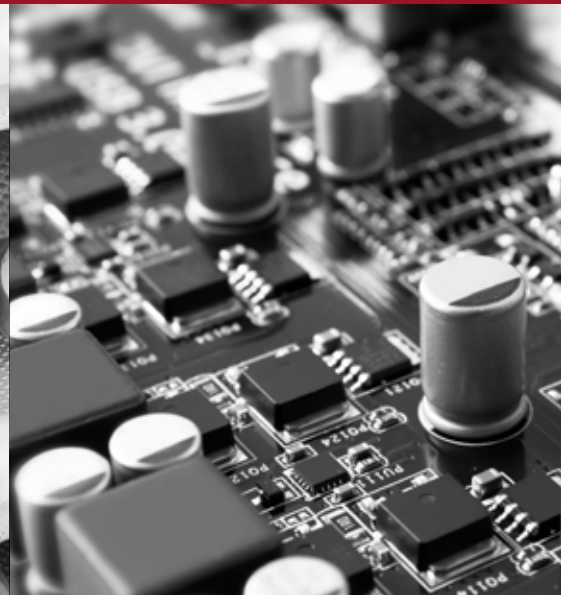
Blisters, cracking, craters and a loss of adhesion are all symptoms of silicone contamination and will result in costly product spoilage and re-working in addition to production downtime.

The ISO 8573-1 CLASS 0 certified EnviroAire compressors from Gardner Denver offer the following benefits:

- 100% silicone-free, guaranteed
- Specifically designed for use in pure-air critical applications such as the automotive industry
- Avoids contaminations and provides the highest air quality standards

Peace of Mind

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

EnviroAire T/TVS 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 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

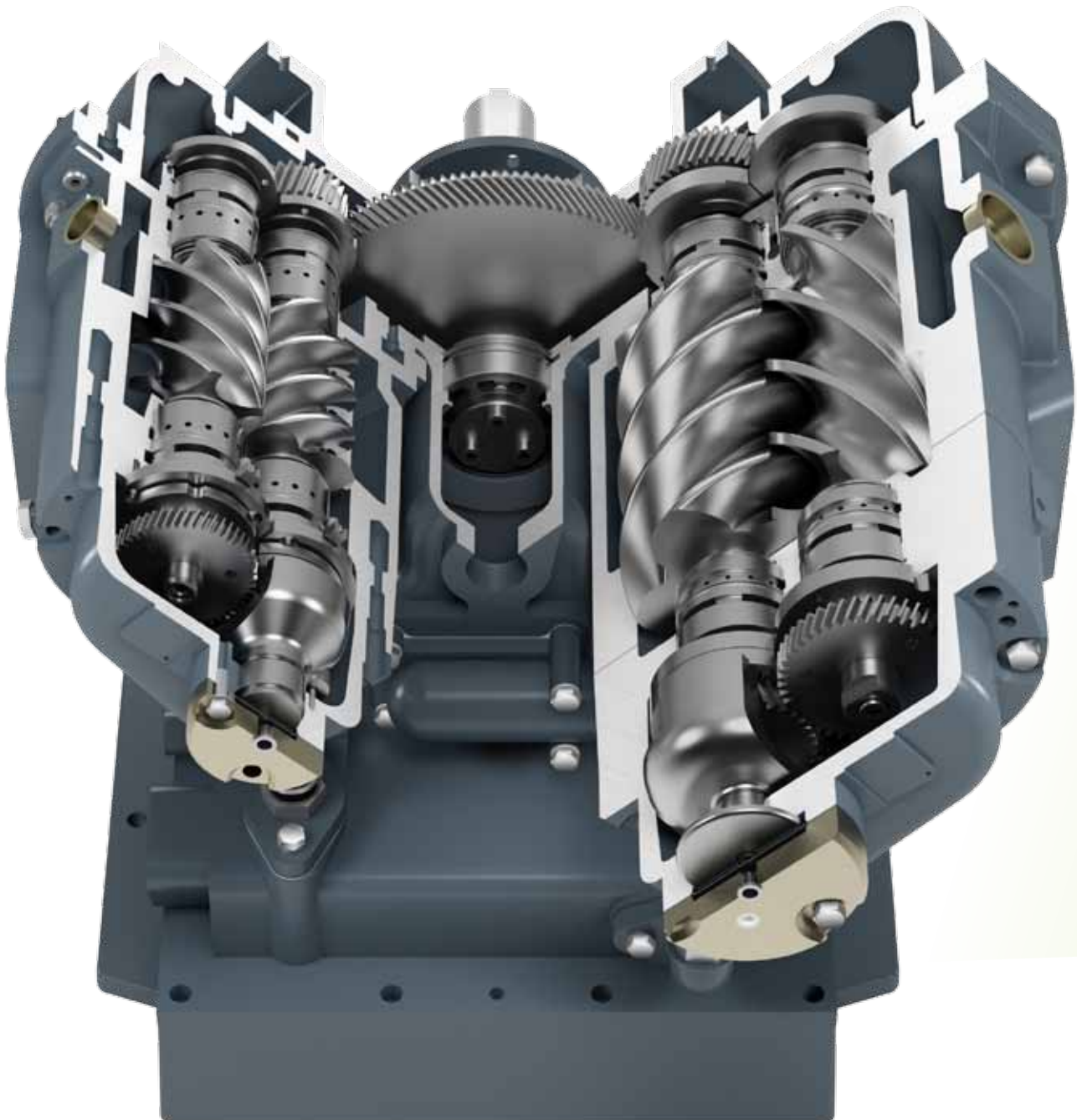
- Premium efficient TEFC motors
- Superior reliability
- Automatic Lubricators (Main Motor)
- Direct driven positive alignment via flexible coupling
- Two-stage moisture separator with automatic condensate drains

Designing The Right System

Lean on a trusted oil-free source — Gardner Denver

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
- GD Pilot TS microprocessor monitor and protects the compressor, providing with operator status

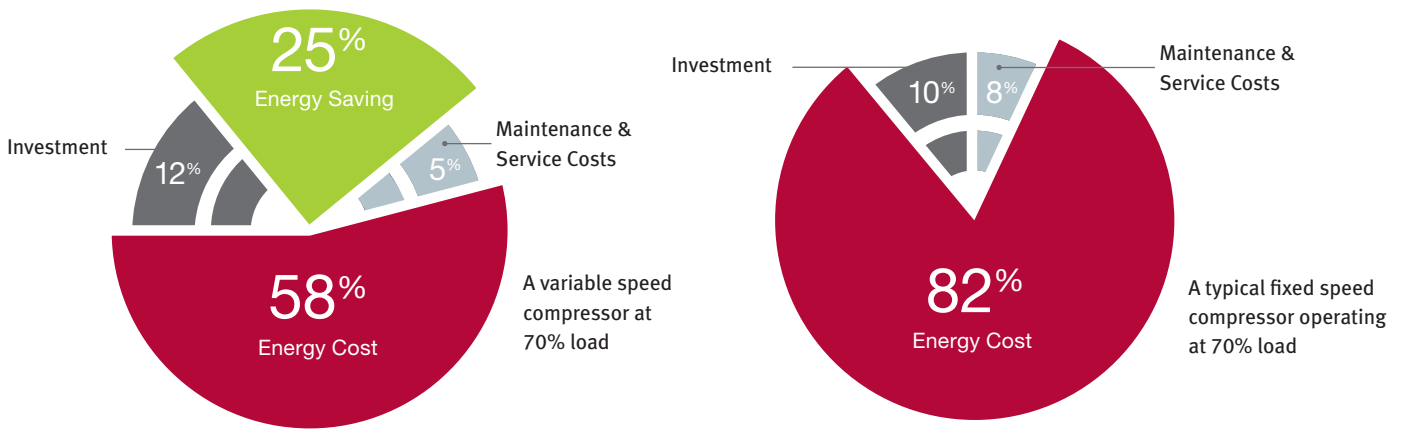


Clean + Economical Compressed Air

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.

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.

Perfect response to your individual air demand

Variable speed compressors from Gardner Denver 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.

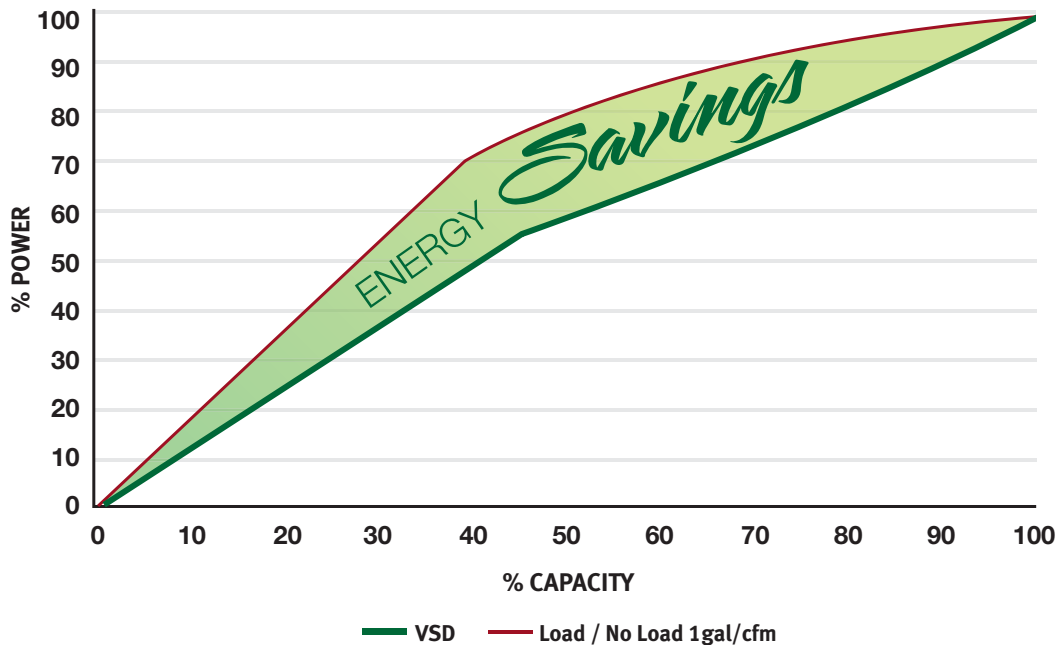
Superior flexibility comes standard with the EnviroAire

With a wide capacity range, the EnviroAire features the market's quickest and widest response to air demand changes.

Your benefits during varying air demand:

- Reduced wear and tear on inlet and discharge valve components
- No shock bearing loads for the air-end
- Minimized pulsating load (full load pressure/off load pressure) for all pressurized components within compressor package (hoses etc.)

Energy Saving with a Variable Speed Drive



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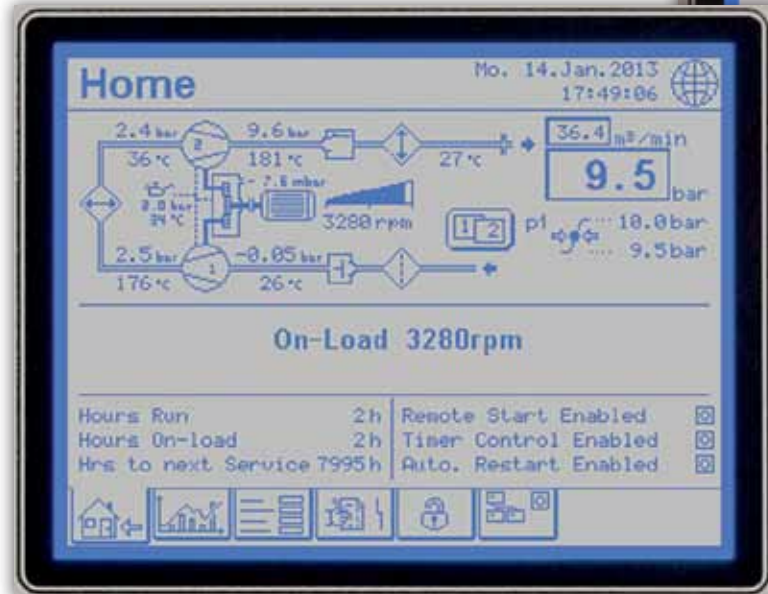
Comprehensive Compressor Control

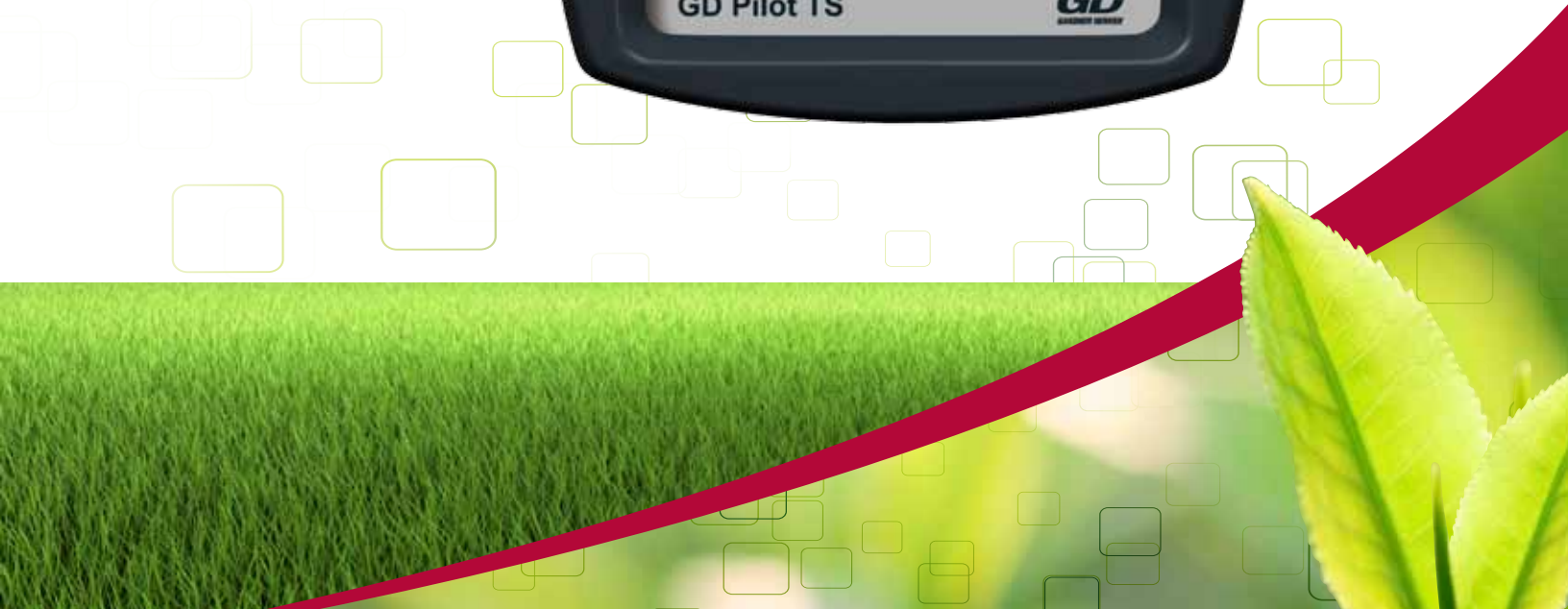
GD Pilot TS

The multilingual GD Pilot TS touch screen control system ensures safe and reliable operation and protects your investment by continuously monitoring the operational parameters—essential for reducing your operating costs.

Features & Functions

- Compressor Status
- Line/Network Pressure
- Real Time Clock—Allows Pre-Setting of Compressor Starting/Stopping
- Second Pressure Setting
- On Load Hours/Total Hours Run
- Auto Restart after Power Failure
- Fault History Log—for In-Depth Analysis
- Optional Base Load Sequencing to control multiple machines
- Remote Control via Programmable Inputs
- RS485 Modbus RTU Standard
- Optional SD Card For Data Logging





Global Networks

Service

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

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

Gardner Denver'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

Gardner Denver'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, Gardner Denver's extended warranty delivers one of the most comprehensive plans in the industry.

Gardner Denver'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.



QUALITY
 RELIABILITY
 SERVICE
 WARRANTY

EnviroAire T – 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
EnviroAire T75	116	100 (75)	442	76	102 x 69 x 79	6665
	145		380	75		
EnviroAire T90	116	125 (90)	560	77	102 x 69 x 79	7125
	145		467	76		
EnviroAire T110	116	150 (110)	668	78	102 x 69 x 79	7198
	145		602	78		
EnviroAire T132	116	180 (132)	793	79	102 x 69 x 79	7566
	145		740	79		
EnviroAire T160	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.

EnviroAire TVS – Technical Data

Variable 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
EnviroAire TVS110	116	150 (110)	685	76	102 x 69 x 79	7227
	145		614	76		
EnviroAire TVS132	116	180 (132)	796	77	102 x 69 x 79	7663
	145		732	77		
EnviroAire TVS160	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.

Gardner Denver[®]

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866-440-6241

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Please recycle after use.