

Smarter Solutions for Complex Needs

Gardner
Denver

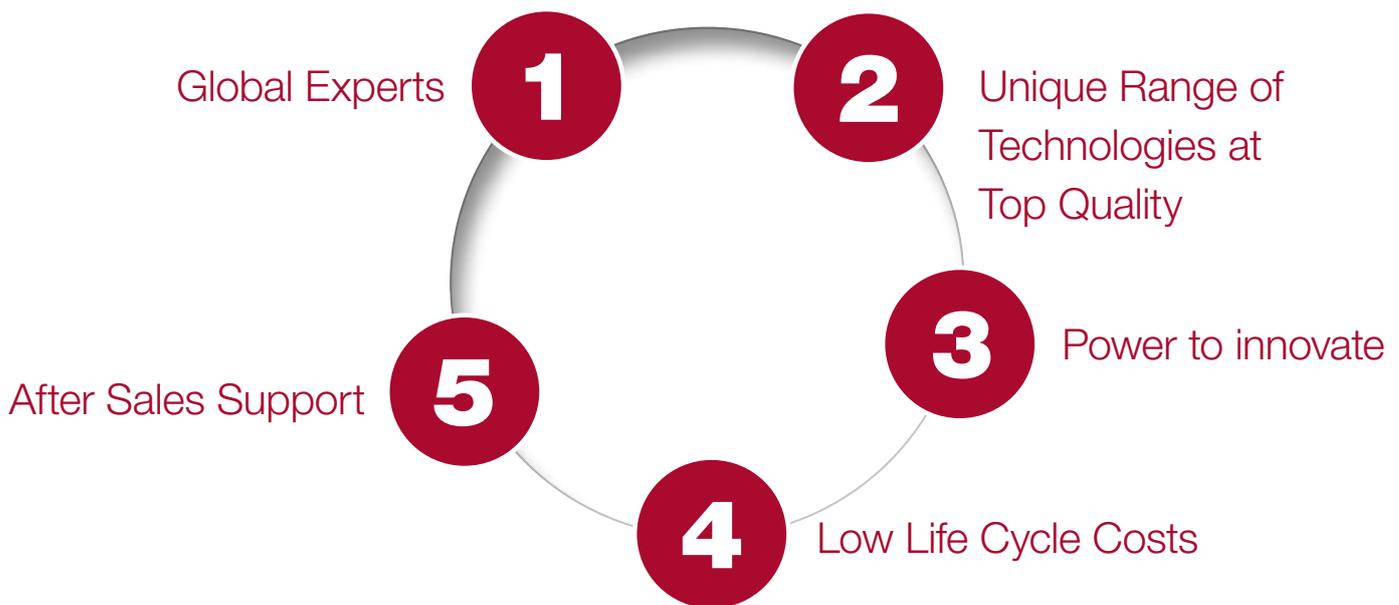


Vacuum and Pressure Solutions for the Food & Beverage Industry





5 very good reasons to choose Gardner Denver



A recipe for success

Exceptional quality, total reliability, lowest cost of ownership... when it's time to invest in your vacuum and pressure equipment, you expect great results.

But at Gardner Denver, we believe there's an even more important requirement. Integration. Because when things (and people) work well together, they are more efficient and deliver better value.

This means we don't just sell you an individual machine. Instead, we take the time to understand your business need and to devise integrated solutions from:

- The widest portfolio of compressed air, vacuum and pressure technologies
- A team of skilled food and beverage specialists, here to offer you the best of all of our brands
- A portfolio of thousands of food industry installations worldwide

From day one, our people are here to find the best solution for your installation through:

- Our exceptional network of specialists who bring to you a wealth of know-how in your industry
- Tailored equipment maintenance and service that fits your business
- Support team of local engineers worldwide

Smarter Solutions for Complex Needs

Gardner

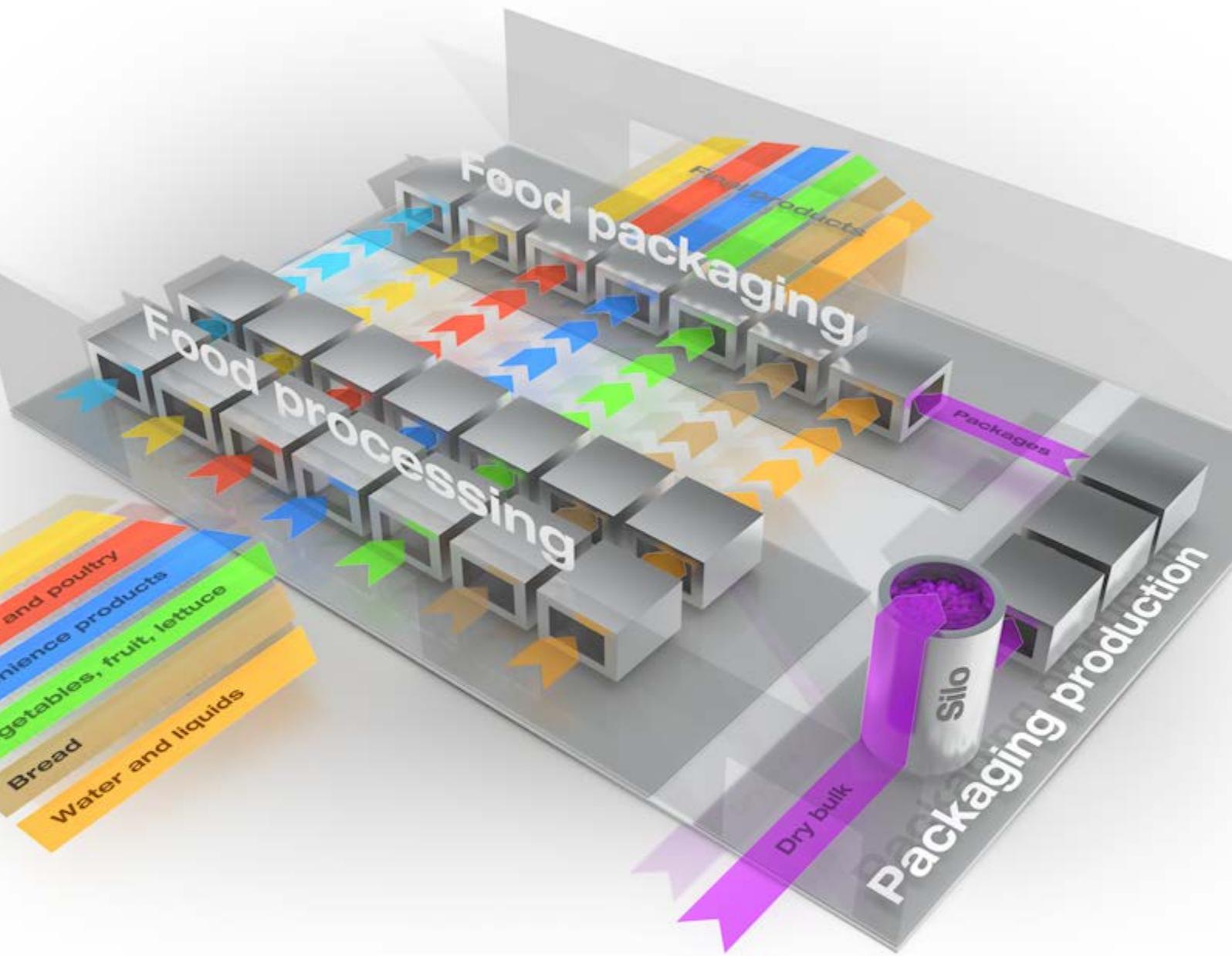
Denver



The World of Food Processing and Packaging

	CompAir	GD Compressors	Belliss & Morcom	Reavell	Elmo Rietschle	Robuschi
General						
Pick & Place	●	●			●	●
Product handling	●	●			●	●
Pneumatic conveying	●	●			●	●
Trim removal					●	
Removal of air and impurities					●	●
Food processing						
Vacuum cutters					●	
Evisceration					●	●
Chamber machines					●	
Tumblers					●	
Concentration					●	●
Evaporation					●	●
Sterilisation			●	●	●	●
Compressed air and gas applications						
Air knives	●	●	●	●		
Cooling	●	●	●	●		
Food packaging						
Tray sealers					●	
Chamber machines					●	●
Forming			●	●	●	●
Filling and closing machines	●	●			●	●
Applications for liquids						
Degassing					●	●
Bottle filling (incl. sterile vacuum)					●	●
Distillation					●	●
High pressure air and gas applications						
PET bottle blowing			●			
CO ₂ recovery			●	●		
Hydrogenation of oil and fat	●	●	●	●		
Nitrogen generation and Nitrogen freeze drying	●	●	●	●		





Vacuum Pumps and Blowers

Choice of Technologies

Any application that needs vacuum requires the integration of the vacuum pump in the process itself. Superior application know-how and many years of experience are essential for a solution that satisfies the technical demands of your industry.

Typically, if a new application comes up at a customer's, our team of experienced application engineers will work with the customer or the machine manufacturer to find a smart solution that best answers your demands.



All vacuum technologies offered by Gardner Denver and its Elmo Rietschle and Robuschi products are used in a wide variety of applications. In many cases the customer has a choice of technologies.



	Vacuum Pumps	Vacuum Blowers	High Vacuum PD Blowers	Pressure/ Vacuum PD Blowers	Centrifugal Pumps	Oil free Screw Compressors
Sterilisation	●				●	
Vacuum canning and packaging			●			
Industrial waste water treatment					●	●
Pneumatic transport				●		●
Concentration systems	●			●		●
Degassing		●				
Evaporation		●		●		
Evisceration	●	●				
Cooling	●					
Drying	●					
Removal of air and impurities	●					
Processing of slaughter wastes		●	●			
Filling in sterile vacuum	●					
Distilling systems		●	●			



	Radial	Side Channel	Liquid Ring	Rotary Vane	Rotary Lobe	Claw	Screw
Filling and closing machines		●	●	●		●	
Labelling		●	●	●			
Degassing water			●				
Vacuum packaging							
• Tray sealing machine			●	●	●	●	●
• Forming machine	●	●	●	●	●	●	●
• Chamber machine				●	●	●	●
• Trim removal	●	●			●		
Food processing							
• Vacuum filler				●		●	●
• Vacuum tumbler			●	●		●	●
• Vacuum cutter			●	●		●	●
Other applications							
• Pick + place		●		●		●	
• Freeze drying			●	●	●		●
• Pneumatic conveying		●	●	●	●	●	

Compressors

“Gardner Denver’s CompAir engineers were instrumental in the development of the international standards for compressed air quality.”



With many decades of experience in the food and beverage industry we will partner with you to find solutions for all of your compressed air needs in your plants. Solutions that combine technical excellence with maximum performance at lowest life cycle costs.

High Quality Compressed Air

The quality of compressed air used in the food industry is of utmost importance as even the slightest traces of contamination can result in altered or polluted product batches and the risk of health hazards for consumers.

To ensure best practice, the International Standards Organisation (ISO) established a new class of air quality for sensitive industries such as food and beverage. Known as Class 0, it is the most stringent air quality class, limiting oil contamination in liquids, aerosols and vapors.

All oil-free Gardner Denver compressors used in the food and beverage industry satisfy the demands of Class 0.



Class	Concentration 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



Protecting the integrity of your products and processes

Independent of any type of compressor and brand, there are 6 main sources of contamination to be found in a compressed air system which need to be purified to protect products and processes:

- **Water vapour, condensed water and water aerosols**
- **Atmospheric dirt**
- **Micro-organisms**
- **Rust and pipescale**

Compressed air purification equipment is essential in the food and beverage industry where air purity and the integrity of products and processes. It must deliver uncompromising performance and reliability with the right balance of air quality and cost of operation.

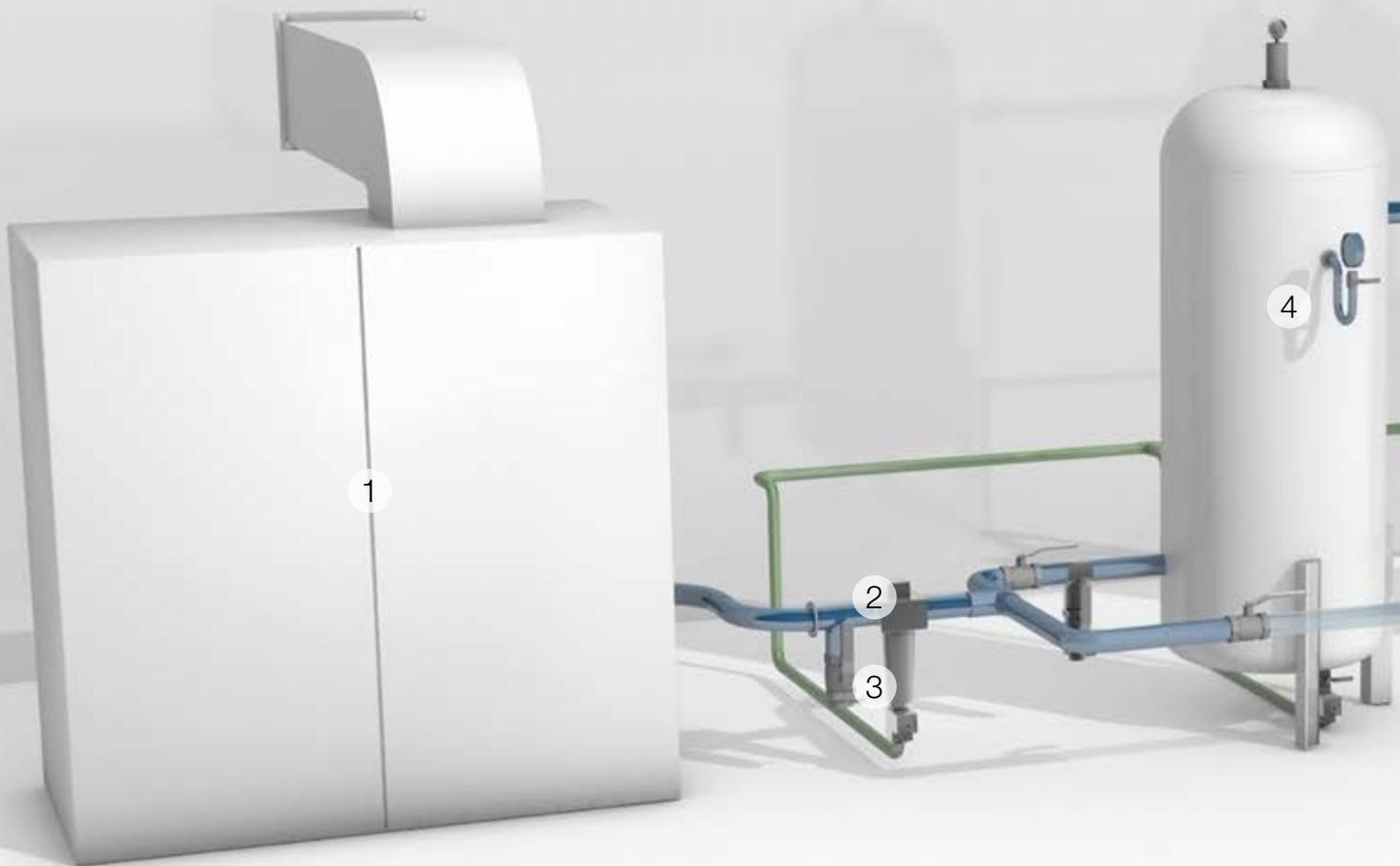
We have a comprehensive range of purification equipment available to exactly match system requirements, ensuring both capital and operational costs are kept to a minimum. These include:

- Filters
- Water separators
- Adsorption dryers
- Refrigeration dryers

See the following pages for a typical layout of a compressed air system.



Compressors



Components of a Compressor Installation

Typically, a compressed air system in your industry consists of a number of compressors that are linked to provide maximum performance for your applications.

1 Oil-free Compressor

The ISO 8573-1 CLASS 0 certified compressors ranges offer the following benefits:

- 100 % silicone-free and oil-free, guaranteed
- Specifically designed for use in pure-air critical applications such as the automotive industry
- Avoid contamination and provide the highest air quality standards
- Independently tested and certified

2 Liquid Condensate Separator

Removes liquids, fine mists and solids from the compressed air.

3 Compressed Air Condensate Drain

Removing condensate from a compressed air system can be a costly affair if you are losing valuable air along with the condensate. Using electronic capacitance drains provide a no air loss solution.

4 Wet Air Receiver

A wet air receiver provides valuable air storage, smoothes out air demand curves and also aids bulk condensate collection and removal.

Get in touch with us to understand how you can benefit from our integrated system concept.



5 General Purpose Protection Filter

Installed for the removal of dirt particles, oils and condensate in bulk liquid and aerosol forms. This filter also provides pre-filtration protection to high efficiency filters and dryers.

6 Adsorption Dryers

Water vapour is removed from compressed air using an adsorption dryer. They remove moisture by passing air over a regenerative desiccant material which strips the moisture from the air. A typical pressure dewpoint specified for an adsorption dryer is $-40\text{ }^{\circ}\text{C}$ pdp as it not only prevents corrosion, but it also inhibits the growth of micro-organisms. A pressure dewpoint of $-70\text{ }^{\circ}\text{C}$ pdp is often specified for critical applications.

7 Filters

Installed in combination depending on air quality and purity requirements:

Typically the filters are arranged with three filtration levels. General purpose 1 micron dry particle protection, high efficiency 0.01 micron particle protection, activated carbon filter for oil vapor removal.

8 Dry Air Receiver

Optional for single compressor installations - recommended for multi compressor installations.

9 Point of Use (not pictured)

Beyond the compressor room piping is commonly upgraded to stainless steel. Absolute removal of solid particulates and micro-organisms is performed by a sieve retention or membrane filter. They are often referred to as sterile air filters as they also provide sterilised compressed air.

Filter housings are manufactured from stainless steel to allow for in-situ steam sterilisation of both the filter housing and element. It is important to note that the piping between the sterile filter and the application must also be cleaned and sterilised on a regular basis.

Compressors

Nitrogen generation on-site – at any time



Why gas generation is best

In food and beverage processing, nitrogen is used in modified atmosphere packaging applications, where the packaged food is flushed with the gas to reduce the oxygen level below 1 %. This reduces product spoilage and helps to increase shelf life and will also extend the nutritional value of the food without the need for preservatives.

Nitrogen also acts as a filler gas, to provide a pressurised atmosphere that prevents package collapse. Manufacturing and analytical equipment can be purged with nitrogen gas to remove oxygen and water vapour from process lines, which can increase product quality and reduce the need for further conditioning treatments.

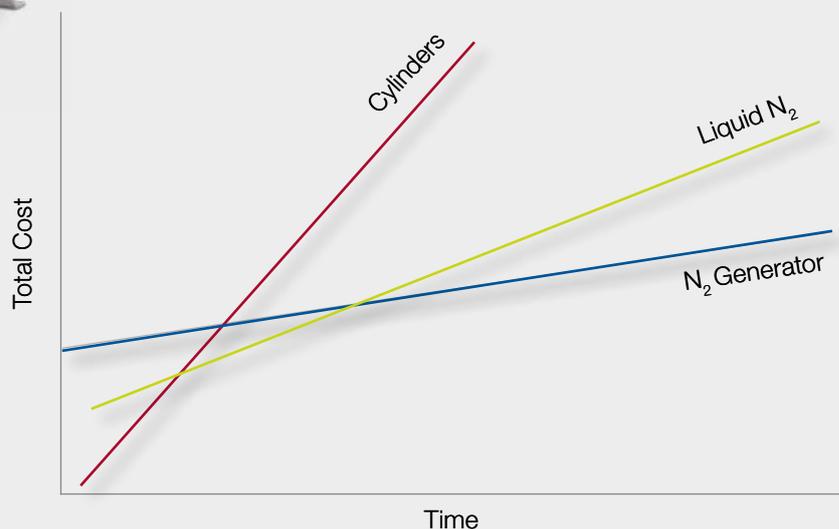
As an inert gas, nitrogen will displace oxygen from a product or process and can be used to prevent oxidation, stop bacteriological growth and reduce the risk of combustion and explosion.

This is where the installation of an on-site nitrogen generation system, such as Gardner Denver's new generators, can pay dividends, providing operators with on demand supply and complete control over the volume and flow of the gas required.



An investment that pays off

The payback period can be less than one year, when compared to cylinder supply and two to three years, when compared to liquid nitrogen supply.



On-site nitrogen generation made easy

The Gardner Denver product range includes everything that a customer needs to set up an on-site nitrogen generation system. Using high quality compressed air to supply the nitrogen generators ensures long and trouble-free service and guarantees optimum performance.

Gardner Denver air compressors and pre-treatment packages include refrigeration or adsorption dryers along with coalescing filters to guarantee the highest quality air supply for the nitrogen generators.

The modular concept offers greater flexibility to traditional twin tower PSA generators as our series can be configured to suit installations as and when nitrogen demand increases. Additional modules can provide extra capacity on standby or service backup for peace of mind. The compact design also means the units can fit through standard doorways.

Your benefits on a view

- ✓ Gardner Denver nitrogen generation systems can save operators up to 90 per cent of the cost of bought-in gas.
- ✓ The system uses less energy to generate the nitrogen required on-site than it takes for a supplier to produce and deliver the same amount.
- ✓ The carbon molecular sieve also offers superior energy performance with no degradation in performance, meaning that it does not need to be changed during its lifetime to reduce consumable costs.
- ✓ Coupled with other energy-efficient products in the compressor range, such as speed-regulated compressors or the latest oil-free technologies, operators can maximise efficiency further.



The space-saving modular design is easy to install, removing the need for expensive civil engineering works, and can be integrated with existing compressor installations to minimise capital expenditure.

Nitrogen supplied by Gardner Denver meets the following requirements:

- Nitrogen < 10 ppm oxygen content
- Carbon dioxide < 1 ppm
- Carbon monoxide < 1 ppm
- Water vapour < 5 ppm (-66°C dewpoint)
- Total hydrocarbons < 5 ppm

High Pressure Compressors

Gardner Denver's High Pressure experts have the ability to understand the specific application requirements for the food and beverage industry and are committed to provide smart solutions for your complex needs.

Our high pressure reciprocating compressors can provide lubricated air or gas through our Reavell and GD brands, or oil free air or gas through our Belliss & Morcom brands.

Low Power Consumption – High on Efficiency

We understand what your key business drivers are, ranging from the lowest costs of ownership through to low power consumption. We combine our compressors with enhanced products such as energy efficient motors, variable speed drives, air and gas recovery systems and advanced control systems to provide an energy efficient solution in the smallest compressor footprint.

Custom Engineered Projects

Our team of specialist engineers and project managers can work closely with you to design a solution which is bespoke to you. We make sure our solution is highly engineered, safe and perform exactly how you want it.

It does not matter how complex your project is, how difficult the application, if it is possible from an engineering perspective then our engineers will find a way to provide a solution.



Key Benefits

- Low power consumption
- Small compact footprint
- High operating efficiency
- High quality air
- Lowest cost of ownership
- Experienced design engineers
- Excellent process and application understanding
- Adaptable and vast product range
- Dedicated CEP production cells



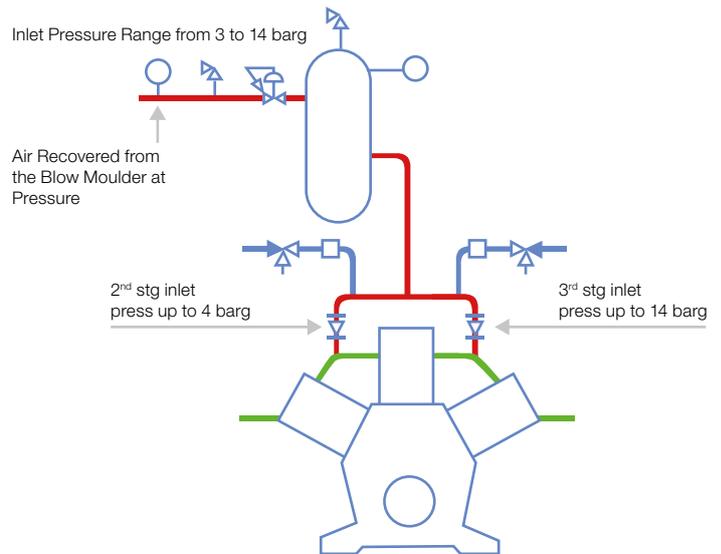
Maximum oil free Air Quality

Belliss & Morcom provides maximum air quality with no contamination. The intrinsically oil free air produced by a Belliss & Morcom compressor meets all air quality standards including Pure Air – ISO 8573-1.

Air Recovery for Blow Moulding Machines

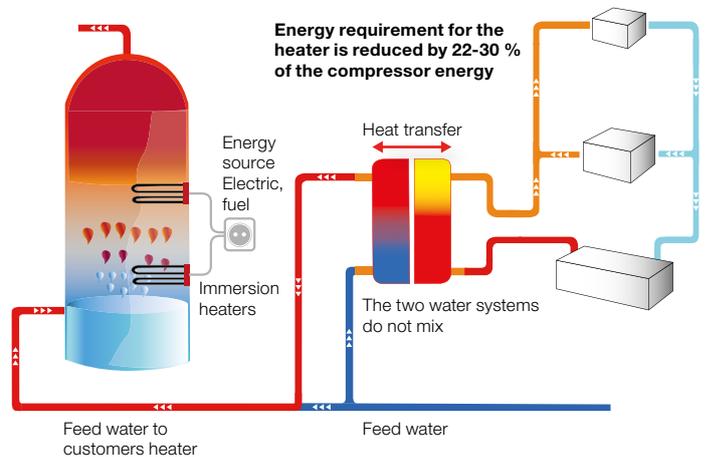
The Air Recovery System is designed to accommodate a returned pressure from the blow moulding machines that can be 'recycled' back through the compressor.

- Reduction in compressor energy consumption
- Easily installed to existing installation
- Can be used to supplement LP air requirements



Heat Recovery for PET compressors

Belliss & Morcom have developed a Heat Recovery System to work with the PET compressor. The PET compressors use cooling water to cool the compressor and the compressed air. The water once heated through the compressor will then need to be cooled through the compressor cooling tower. The compressor cooling system can be modified to provide water at around 80 °C to pre-heat the customers own feed water to their heating systems (water or steam) and thus reduce their energy load through the water/ steam heater. Savings are typically 22 – 30 % of the compressor motor rating kW. Therefore a WH40 compressor with a 400 kW would provide energy reduction equivalent to 90 kW.



Energy Audits

In order to reduce energy costs and CO2 emissions, the High Pressure Solutions team offers audits tailored to suit your specific needs by our team of dedicated experts.

Meet our Customers

Société des Eaux Minérales de Luchon cuts Cost With Oil-Free D110 RS



Société des Eaux
Minérales de Luchon.
France

900 m³ of air an hour. That's what it takes to produce 50 million bottles of water each year. And thanks to a D110 RS oil-free compressor from CompAir, Société des Eaux Minérales de Luchon's bottling plant now has a cheaper, more dependable supply of compressed air. CompAir's oil-free air is inherently safe avoiding the expense of product recall, giving the client greater peace of mind and better process security. Cost of ownership has also been reduced by installing one compressor in place of two units.



Benefits at a glance

- Variable-speed compressor balances energy input to air demand – optimum energy efficiency
- Guaranteed oil-free compressed air – does not compromise production quality, saving the expense of rework or product recalls
- Trouble-free operation from 0 °C to 40 °C – ideal for fluctuating seasonal air temperatures
- Constant air supply up to 900 m³/h – to maintain productivity at all stations simultaneously
- Maintains 8.5 bar pressure – uninterrupted supply at the correct pressure ensures reliability
- One unit replaces two compressors – reducing service and maintenance costs
- Air cooling system – cheaper and simpler to install than cooling water systems
- Simplified maintenance and 5-years warranty – reduces lifetime ownership costs

“With the old compressors we had to check the compressor regularly depending on the length of operating and idling times. The easy-maintenance, CompAir unit frees the plant from this sort of concern.”

Serge Manent Plant Maintenance Manager

OilFREE



CompAir lowers energy costs at world's oldest brewery

In May 2010, the brewery opted for an oil-free, variable speed D22H RS compressor from CompAir. Featuring PureAir technology, the compressor generates totally oil-free compressed air, making it ideally suited for the brewery's stringent hygiene requirements. Water is used to lubricate, seal and cool the compression process, providing low compression temperatures of just 60 °C – contributing to low power consumption. Variable-speed drive technology matches compressor flow to demand with great efficiency. This means that the unit produces the correct volume of air required by the application at all times.



Weihenstephan,
Germany



A maintenance agreement ensures peace of mind for the brewery, as CompAir is responsible for the continuous availability of the compressors. The simple construction of the DH compressor, using fewer wear-prone parts, has already resulted in lower maintenance time and associated costs for the brewery. The D22H RS was also integrated into the brewery's compressor control system. This allows operators to monitor the current demand for compressed air and review recent consumption trends, enabling the cost of compressed air to be calculated.



Benefits at a glance

- 30% reduction in compressed air energy costs
 - Compression temperatures of just 60 °C – contributing to low power consumption
 - Variable-speed drive technology matches compressor flow to demand with great efficiency
 - Reliable, clean oil-free air
- Economical solution to lower compressed air requirements during reduced production periods

“Together with CompAir we measured the power consumption of the system and found that the combination of the new compressor and the leak repairs has reduced our electricity consumption by around a third.”

*Gerd Abstreiter, Engineering Manager,
Weihenstephan Brewery*

Meet our Customers

Coca Cola Amatil uses Belliss & Morcom high pressure compressor for Indonesian bottling plant



Consumer giant Coca Cola is building a purpose built bottle blowing operation at its factory in Cibitung in Jakarta, Indonesia, where Coke has again put green credentials at the heart of the project.

Belliss & Morcom in the UK secured an initial contract to supply the first 2 of 6 off WH50 oil free reciprocating compressors with ancillary equipment. The main reasons Coca Cola chose the Belliss & Morcom turn key solution was the unique high energy efficient “shaftless” drive motors and the soft drive technology controlled by our own AirPET control system.



Benefits at a glance

- High reliability with proven technology
- Greater energy efficiency
- Lower life cycle costs
- Reduced carbon footprint with a decrease in CO₂ emissions
- BellissXtra service program ensuring customer peace of mind

Energy savings for GSK with the latest oil-free PET compressors



GlaxoSmithKline,
United Kingdom

Pharmaceutical and consumer giant GSK have spent £70 m GBP on bringing PET bottle blowing in-house for two of its largest drinks brands, Ribena and Lucozade. The firm has built a new bottle blowing and preform moulding operation at its factory in Gloucestershire in the UK, where GSK put green credentials at the heart of the project. Portuguese owned Logoplaste will produce up to 1 billion bottles for GSK alone.

There are a number of unique elements to the Belliss equipment offer, namely the unique watercooled motor offering higher energy efficiency than any other main drive motor available in the PET market today, combined with the latest variable speed drive technology controlled by the Belliss AirPET control system.

Benefits at a Glance

- Highly energy efficient water cooled motors saving on energy consumption
- Improved environmental impact with a reduced CO₂ footprint
- Variable Speed Drives to ensure exact pressure control and demand matching
- AirPET control system to ensure continuous monitoring of air quality to ISO 8573.1 standards
- BellissXtra service program ensuring customer peace of mind



Belliss & Morcom is the leading supplier of bottle blowing high pressure equipment worldwide.

Energy saving makes a big difference



Atria is Finland's biggest meat processor in terms of turnover and Nurmo in the Ostrobothnia region of western Finland is its largest plant. Abattoirs, meat and food processing plants along with a logistics centre, are all on the same site.

Atria,
Finland

Every day more than 80,000 animals are slaughtered in the abattoirs, while the logistics centre despatches 40 to 50 lorry loads of meat, sausages, cold cuts, meatballs, steaks, hamburgers, microwave meals, salads and a variety of chicken products.

The facility currently requires about 180 cubic metres of compressed air a minute. This volume is produced by five 250 kW compressors installed on a continuous trunk line. According to Ahokas, all production machinery in the facility in principle requires electricity and compressed air, whether in packaging, processing or logistics. Every time new technology enters the facility, the demand for compressed air increases. Every compressor in the facility carries the Gardner Denver name. The compressed air they produce is dried by an absorption dryer and efficiently filtered.



The compressors save energy in other ways, too. All waste heat from the compressors is recovered. Part of it is used to heat the premises, part to pre-heat water. A significant volume of warm water is needed to wash down the entire facility in the evening after production has finished.

“The cost saving offered by the variable speed compared to a fixed speed compressor can be 30,000 to 40,000 € a year.”

Sami Uusi-Erkilä, Regional Sales Manager at Tamrotor Kompessorit Oy

Meet Our Customers

Quantima cuts carbon by 35 %

Murray Goulburn,
Australia



Just five months after installing the Quantima air compressor, Australia's largest milk processor, Murray Goulburn was on track to save over € 77,000 in annual energy and maintenance costs and reduce CO₂ by more than 1,908 tonnes over 12 months.

"Prior to the Quantima installation, our compressed air system was using 9.1 kW to generate each cubic meter of air per minute. Now, with Quantima, this specific power consumption has reduced significantly to just 6.12 kW/N m³/ min. In simple terms, we are now producing compressed air at best practice levels and with much better efficiency – to the effect, it is now taking 35 % less power for us to generate a higher air output." says a leading manager of Murray Goulburn.



Benefits at a glance

- 35 % energy savings – a cost reduction of over € 99,000
- Environmentally sustainable system – saving more than 1,908 tonnes over 12 months
- Cost-effective system – replaces four compressors with one Quantima unit
- Completely oil-free operation – saves maintenance costs and ensures 100 % air purity
- 64 % service cost savings and 24/7 reliability – with Q-Life predictive maintenance package



DH-Series eliminates contamination

A leading German producer of alcoholic drinks installed a new bottling line at one of their facilities capable of producing 20,000 bottles per hour.

After assessing several manufacturers' systems, the customer chose two CompAir D75H RS compressors offering completely oil-free operation and high energy efficiency.



Benefits at a glance

- Certified ISO 8573-1 Class Zero (2010) and silicone free for guaranteed oil-free compressed air that meets food-grade quality standards
- Regulated Speed technology - adjusts energy consumption to air demand, to reduce electricity costs
- Total equipment supply and service package from one source – simplifying installation and maintenance
- Robust oil-free machine resists wear and tear – less parts to maintain for lower service costs and reduced downtime



OilFREE



“Our engineers in Simmern combined their expertise in control and drive technology with water-injected screw compression, developing an extremely cost effective operation with minimal service costs”

Werner Struck, Mechanical Engineer, CompAir



Meet Our Customers

One of the largest Snack Food producers in the Middle East relies on CompAir nitrogen solution

Al Shaihani,
Oman



Al Shaihani Group of Industries are pioneers in the food and beverages industries in the Sultanate of Oman, and market leaders in this segment throughout the Gulf region. More than 80% of their products are exported out of Oman.

One of the supply criteria's of Al Shaihani was to ensure that the delivered Nitrogen gas exceeded the international guidelines outlined in EIGA (European Industrial Gas Association) Document E941 - Minimum Specifications for Food Grade Gas.

The EIGA E941 specification calls for Food Grade Gas to be 99% Inert (1%O₂), the CompAir CN2 system supplied to Al Shaihani not only meets the EIGA E941 specification but exceeds it with delivered inert gas of 99.5% (0.5 Oxygen) - Performance validated by Lloyds Register.

CompAir has been selected to supply a complete compressed air station with two L90 rotary screw compressors with filtration and adsorption dryers, including nitrogen generation. Nitrogen displaces oxygen and prevents oxidation – crucial as oxidation during shipping can spoil a high percentage of the product range.



Benefits at a Glance

- No product wastage through oxidation during shipping
- Local support
- Complete solution provision by CompAir
- Extended warranty ASSURE program
- Commissioning by CompAir



Elmo Rietschle provides efficient solutions for bottle filling plants

For some time now the beverage industry have called for solutions that are respectful of the environment while simultaneously cutting the operating costs. Traditionally, the vacuum needed in bottle filling applications was provided by pumps requiring considerable quantities of cooling water.



In close partnership with industry leaders Elmo Rietschle designed a solution which offers major advantages:

- Cooling system is integrated into a closed water circuit
- No additional water needed
- Can be integrated into CIP cycles
- Stainless steel version
- Energy efficient motors
- Modular design

The 2BL2 closed circuit system is used by key players in the industry who have had their cooling water bill reduced by 90 %.



Dry running vacuum pumps reduce life cycle costs by 50 % in food packaging applications

Many applications in food packaging require vacuum. Until recently the focus was mainly on oil lubricated vacuum pumps because their purchasing costs were low and no affordable dry running solution was available.

With the first screw vacuum pump for industrial purposes launched by Elmo Rietschle important food manufacturers have switched over to this solution, as it means

- Service and maintenance cycles are dramatically longer – instead of having an oil-lubricated pump serviced every 2,000 operating hours the new screw vacuum pumps operate 8,000 hours without downtime
- No oil to be changed regularly – with the price of special oils needed in oxygen application this can save up to 2000 € per service interval
- No contamination with oil mist
- The compact size of the pump means that it can actually be integrated into a packaging machine

“Looking at the total life cycle costs of a pump this new approach can halve the costs associated with vacuum applications.”



Meet our Customers

Italy and Pasta – a never ending success story

ROBUSCHI

The most famous pasta maker chooses Robuschi product's range for its worldwide plants. Barilla utilizes Robuschi oil free screw Compressor in its production process.

Barilla,
Italy

“ROBOX screw” is one of the best technology used in pneumatic transport processes, for the transfer of powders or any type of granules (flours, seeds...) in mills and pasta production processes: from the raw grain processing to the final product.

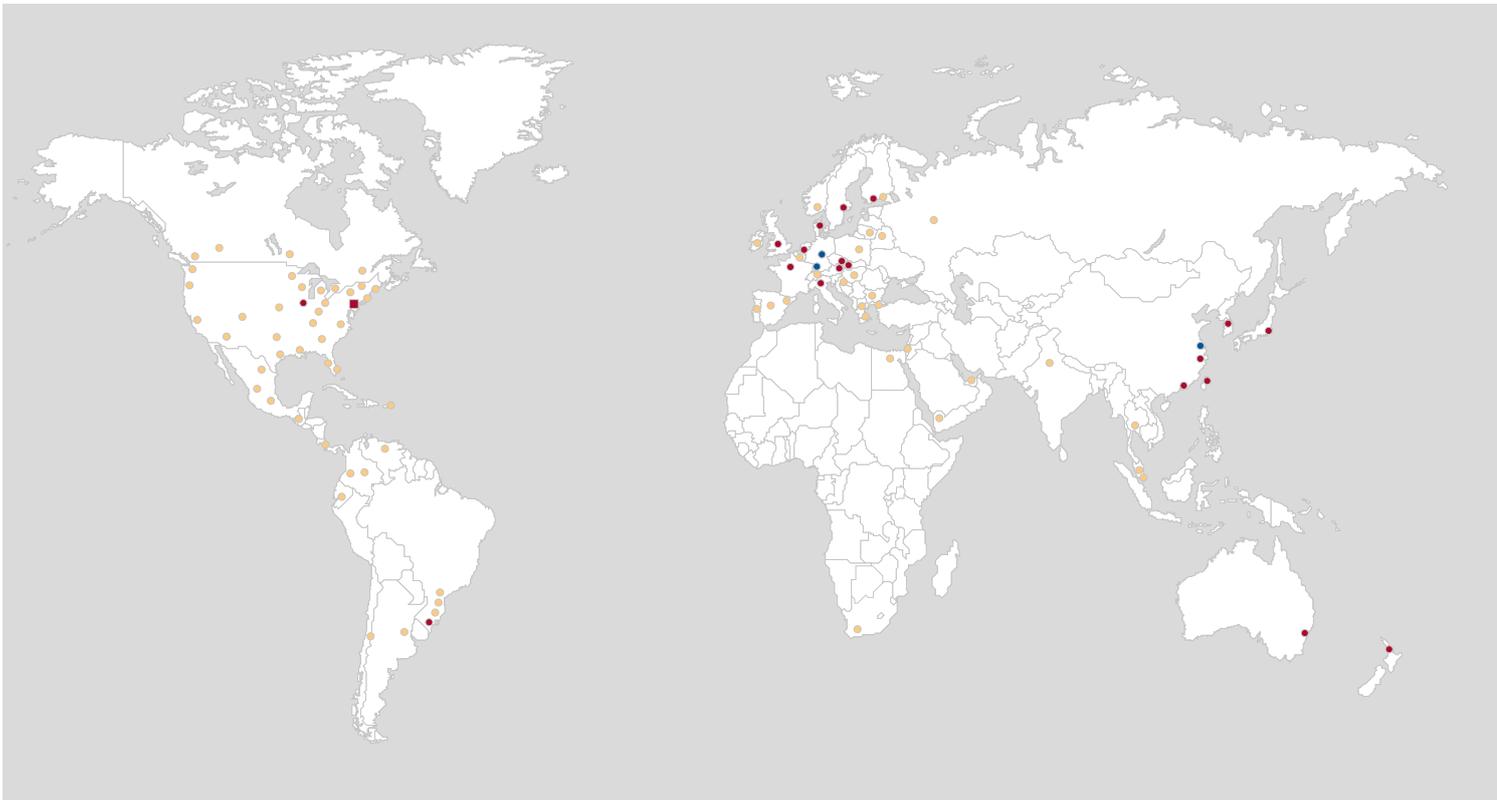
Italy's world cutting-edge pasta maker relies on Gardner Denver's Robuschi brand to supply it the best solution to their complex needs.



Benefits
at a Glance

- **Oil free technology** prevents any pollution's risk in the food process also thanks to our special coating into the compressor screw heart;
- **Operation at lower temperatures** (20% less temperature compared to other technologies) without deterioration of the conveyed material
- **Outstanding energy performance:** The rotor's profile (Robuschi patent) allows the maximum efficiency at a reduced speed with consequent energy savings;
- **Peace of mind** thanks to the continuous monitoring control panel Sentinel





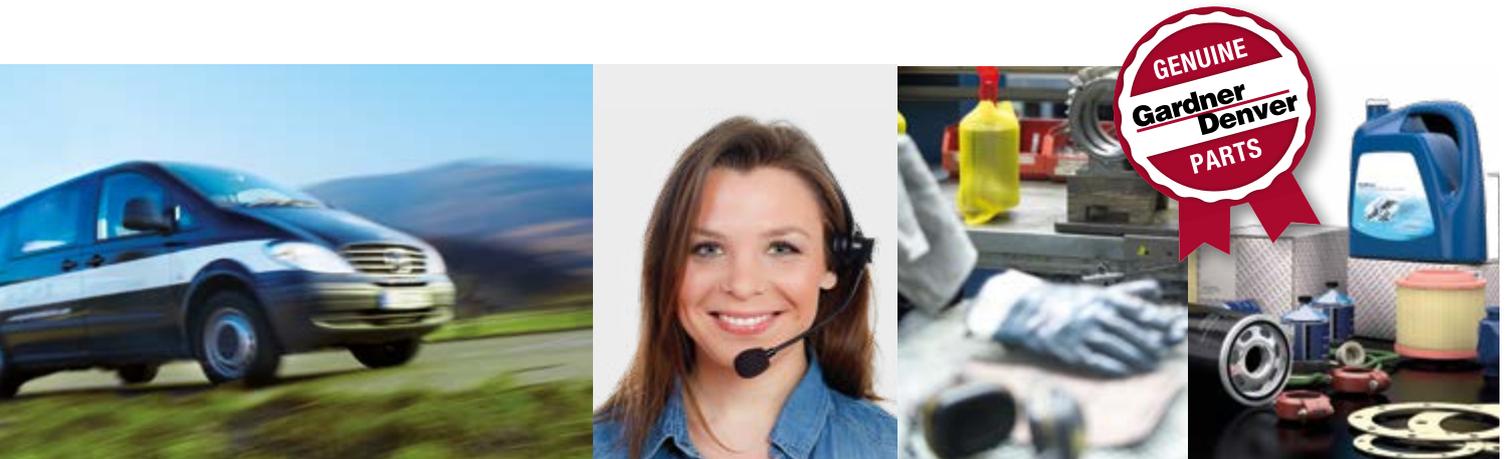
With Gardner Denver regional sales companies, distributors and agents officially representing Gardner Denver products in over 40 countries on 5 continents, Gardner Denver can truly be described as global.

We also have the capability to service all your vacuum pumps and compressors in your plant - including products not supplied by Gardner Denver and its brands.

If you want to benefit from a single source approach for all your service and maintenance needs, get in touch with our experts.



Parts and Services



Support Team



In order to avoid downtime, and to ensure Gardner Denver products continue to reliably and efficiently operate at optimum performance, the recommended service and preventative maintenance schedules should be followed. A full range of flexible service and preventative maintenance programmes, ranging from on-demand to scheduled agreements, are available to meet the individual needs of our customer. All Gardner Denver and authorised distributor service engineers are factory-trained and fully qualified. For complete customer peace of mind and optimised running costs a full range of standard and extended warranty options are also recommended.

Genuine Parts



Only genuine spare parts and lubricants are specifically designed to guarantee the reliability, optimum efficiency and performance of Gardner Denver products. Our extensive distribution network and intelligent stocking policies provide excellent availability of genuine spare parts and lubricants.

Life Cycle Cost Management



Our innovative value-adding solutions can identify further opportunities for optimising total system performance and reducing overall life-cycle costs. Additional services such as total product refurbishment and component service exchange are also available to further extend the product's life-cycle.

Service and Maintenance



After sales support is provided for the entire Gardner Denver product range. This support is provided by our dedicated team and extensive distribution network of highly trained and customer focused technical support advisors, service engineers and administrators. Our service knowledge and experience also extends to all major global brands within the field of vacuum and pressure technology.



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