



# CompAir

by Gardner Denver

Innovation.  
Efficiency.  
Connectivity.

Cutting edge compressed air solutions

## iConn

by Gardner Denver



Groundbreaking  
compressed air technologies



# Innovation, efficiency & total connectivity

## Setting new standards in technology advancement

CompAir have been at the forefront of compressor design and manufacture for over 200 years, and are committed to quality, innovation and understanding the customers' individual business and operational requirements. Not only meeting, but exceeding quality and production objectives for industries across the globe.

## Looking after the environment & your bottom line

Sustained efficiency is vital within compressed air solutions for both reducing operational costs and optimising installations. Committed to developing environmentally friendly solutions, we ensure that our customers meet the demands of climate change legislation - reducing their carbon footprints by cutting energy bills and simply operating more efficiently.

## Innovation & expertise breeds efficiency

Continuous innovation by CompAir delivers an extensive range of extremely reliable, energy efficient compressors, accessories, management and air treatment solutions. Our customers' trust in our expertise and experience in delivering solutions with the utmost innovation, the maximum efficiency and total connectivity.



## Ultima redefines efficiency

The unique design of the new Ultima compressor range from CompAir, delivers outstanding efficiency with up to 13% power savings versus traditional oil-free technology. Considering that the highest cost in the lifecycle of a compressor is the energy to run it, these energy savings have a significant impact.



## Engineering excellence - the power to innovate

Advanced compression technologies are at the heart of every CompAir compressor and it is therefore vital that we keep the design and manufacture in-house, utilising the latest CNC machinery and online laser technology to develop our own airends - our compressor's core component.



**GERMAN  
ENGINEERING  
DESIGN&MANUFACTURE**

This engineering excellence ensures that our customers receive consistent, high quality, low cost air.

## A brand of Gardner Denver

The CompAir brand is synonymous with reliability and energy efficiency - backed by the Gardner Denver Industrial Group, a major global player in the design, manufacture and marketing of a broad range of compressors, vacuum pumps and blower products.

Our capabilities in a wide range of innovative technologies allow us to offer the best solutions to our end-user and OEM customers worldwide, across numerous industries and applications. The global offering also includes a comprehensive suite of aftermarket services to complement the products on offer.

[www.gardnerdenver.com/industrials](http://www.gardnerdenver.com/industrials)

## iConn Industry 4.0 solution

The L-Series is equipped with iConn as a standard. iConn is the smart, proactive real-time monitoring service that delivers in-depth and real-time knowledge on the system to our compressed air users. It enables accurate production planning and total peace-of-mind protection, generating insight and statistics that keep users informed on performance, at the same time highlighting potential issues before they become a problem.

- Condition based monitoring
- Predictive maintenance required
- Full Air Manufacturing Control Optimisation
- External data pattern integration

**iConn**  
by Gardner Denver

# Cutting edge solutions you can rely on



## Case Study



### Gardner Denver helps Thermo Fisher Scientific meet air purity standards with new Ultima compressor

Global life sciences company, Thermo Fisher Scientific, has invested in a range of new oil-free compressor solutions from Gardner Denver, delivering increased energy efficiencies of more than 30 per cent and predicted cost savings of £12,000 a year. The organisation has also invested in a CompAir D-Series compressor from Gardner Denver. Featuring a motor power of 75 kW, the oil-free, two-stage screw compressor provides 100 per cent air purity to help Thermo Fisher Scientific meet its stringent quality standards.

## Tailor-made installations

Increasing complexity of production facilities and system requirements, coupled with higher energy costs, plus carbon and emissions levies and taxes, makes the correct assessment and specification of compressed air solutions vital. The performance and efficiency of compressed air systems affects the environmental impact of your business, and your bottom line.

## Air audits get the best out of your compressed air system

CompAir's audits and expertise will ultimately save money, helping to achieve the lowest operating costs and a fast return on investment, at the same time improving manufacturing productivity.

CompAir's innovative stable of compressors covers all industries and applications and offers:

- Fixed and regulated speed compressors
- Oil-free and oil-lubricated compressors
- Air and water cooled compressors
- Heat recovery, nitrogen generation and air treatment options
- Multi-compressor controllers and sequencers



Analysis



Advice



Project  
planning



Installation



Warranty



Maintenance



Original  
spare parts



## In safe hands

Free extended warranties covering both oil-free and oil-lubricated compressed air solutions, ensure our customers' peace of mind. Some of the most generous warranties in the industry guarantee a quality service with accurate maintenance, budgeting and cost of ownership.

The use of genuine CompAir parts and lubricants further maximises compressor life and efficiency, while the actual design of our equipment ensures ease of installation and servicing, with lower maintenance costs due to a reduction in moving parts.

Our factory trained technicians provide 24 hour, local support.

## Case Study



### Success - World's oldest brewery reduces power by 30%

The Weihenstephan brewery in Freising near Munich has completed the optimisation of its compressed air supply system with a new CompAir DH compressor, which works to an innovative compression principle and is completely oil-free. Together with targeted leakage elimination, the brewery is now able to generate its compressed air requirement with roughly 30% lower power costs.

**PureCARE**  
PUREAIR SERVICING & MAINTENANCE PROGRAMME

# Single source product and service capability



PureAir Oil-Free	Pressure range (bar)	FAD (m <sup>3</sup> /min)	Motor output (kW)
<b>D-Series</b> Oil-free screw compressors	4 – 10	7.0 – 42.6	75 – 300
<b>DH-Series</b> Oil-free water-injected screw compressors	5 – 10	2.3 – 18.6	15 – 110
<b>Quantima</b> Oil-free centrifugal compressors	3 – 8	26.7 – 70.9	150 – 300
<b>Ultima</b> Oil-free two-stage two permanent magnet motors screw compressors	8 – 10	6.7 – 23.3	75 – 160
<b>S-Series</b> Oil-free scroll technology screw compressors	8 – 10	0.35 – 1.77	4 – 15
<b>R-Series</b> Oil-free high-output piston compressors	4 – 12	7.5 – 18.1	45 – 110



Lubricated Screw	Pressure range (bar)	FAD (m <sup>3</sup> /min)	Motor output (kW)
<b>L Series</b> Oil-lubricated screw compressors	5 – 13	0.2 – 47.1	2.2 – 250



Compressed air treatment and accessories
Heat recovery
Water separators
Compressed air filters
Adsorption dryers
Nitrogen generators
Condensate drains
iConn proactive real-time monitoring
Delcos compressor controllers
SmartAir master sequencers



### Service and maintenance

Compressed air audits

Warranty and service offering

Qualified, factory-trained service technicians

Original spare parts and lubricants

Worldwide spare parts and distribution network



## Mobile compressed air solutions

Portable Compressors	Pressure range (bar)	FAD (m <sup>3</sup> /min)	Motor output (kW)
<b>C-Series</b> Oil-lubricated portable screw compressors	7 – 24	1.0 – 27.0	13.2 – 228



### Case Study



## Foundation pile air bubble curtain protects nature

50 nautical miles north west of Sylt, ZÜBLIN has built the third German marine research platform FINO3, on the edge of a potentially suitable area for wind turbines off the Schleswig-Holstein stretch of the North Sea coast. To protect marine fauna from acoustic emissions while the foundation pile was being driven, 9 CompaAir TurboScrew compressors produced an air bubble curtain around the construction site.

# Global experience – truly local service

With over 200 years of engineering excellence, the CompAir brand offers an extensive range of highly reliable, energy efficient compressors and accessories to suit all applications.

An extensive network of dedicated CompAir sales companies and distributors across all continents provide global expertise with a truly local service, ensuring our advanced technology is backed up with the right support.

As part of the worldwide Gardner Denver operation, CompAir has consistently been at the forefront of compressed air systems development, culminating in some of the most energy efficient and low environmental impact compressors on the market today, helping customers achieve or surpass their sustainability targets.



## CompAir compressed air product range

### Advanced Compressor Technology Lubricated

- Rotary Screw
  - > Fixed and Regulated Speed
- Piston
- Portable

### Oil-Free

- Water Injected Screw
  - > Fixed and Regulated Speed
- Two Stage Screw
  - > Fixed and Regulated Speed
- Piston
- High Speed Centrifugal - Quantima®
- Rotary Scroll

### Complete Air Treatment Range

- Filter
- Refrigerant and Desiccant Dryer
- Condensate Management
- Heat of Compression Dryer
- Nitrogen Generator

### Modern Control Systems

- CompAir DELCOS Controllers
- SmartAir Master Sequencer
- iConn - Smart Flow Management

CompAir policy is one of continuous improvement and we therefore reserve the right to alter specifications and prices without prior notice. All products are sold subject to the Company's conditions of sale.

### Value Added Services

- Professional Air Audit
- Performance Reporting
- Leak Detection

### Leading Customer Support

- Custom Engineered Solutions
- Local Service Centres
- Genuine CompAir Parts and Lubricants