



by Gardner Denver

# Intelligent Smart Flow Management

Proactive real-time insight that ensures machine uptime and efficient performance - now Industry 4.0 Solution



Premium compressor design  
and industry leading warranty



iConn - Supporting  
Industry 4.0 initiatives



# 24/7 monitoring to ensure continuous & uninterrupted uptime

## CompAir by Gardner Denver Leading manufacturer of compression technology

As a leading provider of air compression and vacuum products for over 155 years, Gardner Denver is a worldwide figure in the industry, committed to its own IoT strategy. Our global team of IoT specialists have developed and evolved our Industry 4.0 solution “iConn” into a game changer for the compressed air market. Enabled in all of our major product lines, iConn enables our customers to achieve the highest operational improvements to their businesses.

### iConn – supporting Industry 4.0 initiatives

Not only does iConn keep you one step ahead by predicting potential issues before they happen, saving you precious time and expense, but the easy-to-use and install system also shows you how to optimise production and increase energy efficiency.

#### Next generation connectivity platform

iConn is a flexible platform enabling extended data analytics and pattern recognition algorithms leveraging CompAir’s application know-how.



### A digital platform for IoT and Industry 4.0

- Zero hours downtime
- Predictive and analytical reporting
- Optimised energy efficient air supply
- Total compressed air system management
- Simple, scalable and secure

**iConn from CompAir** – changing the way we do business

Analytical

Predictive

Cognitive





## Proactive real-time monitoring and insight for your compressed air installation

iConn gives you the peace of mind and knowledge that ensures smarter and more efficient production, at the same time providing tangible benefits to your bottom line.

### Benefits of proactive real-time monitoring and insight

- Real-time monitoring, alarms and warnings to reduce the risk of downtime
- Browser-based analytics system for compressed air assets
- On-time maintenance as required optimising costs and ensuring longer machine life
- Optimal performance with machine parameter and over-time trend analysis
- Enabled for energy efficiency and production optimisation
- CompAir asset analytics and efficiency audits as a service option

“

We are a manufacturing company near Madrid that exports all over Europe. Through the delivery of real-time warnings and alarms, issues with our machines are identified before they become problems.

”

Increased  
Uptime

Optimised  
Maintenance

Increased  
Efficiency

Lower Labour  
and Admin



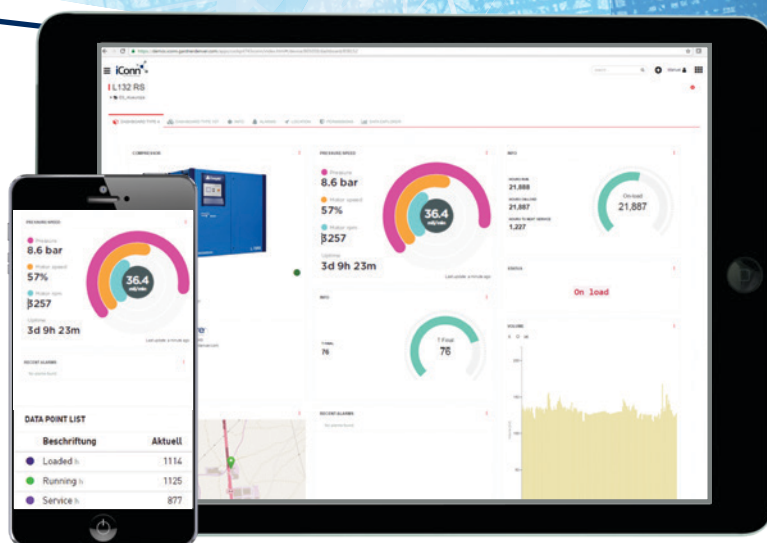
# iConn – intelligent connection for the future, now!



**Watch the video**

CompAir's significant investment in the development of iConn, translates into real benefits for the future of our industries and applications.

- Upgradeable Over The Air i.e to connect extra sensor packs
- Secure Services
- Browser-based, mobile phone optimised, iOS app dashboard displays key operating data
- Performance monitoring, predictive maintenance and energy optimisation services by our experts



With the proactive iConn platform, there are no surprises or unpredicted issues – production will run smoothly and efficiently, with out fail.

Compressed Air analytics with web-based operating dashboard, which also provides a complete service, from predictive maintenance to (optional) real time energy audits, ensuring total peace of mind.

## Secure iConn Data Management



Open to API's, such as SAP, GE, Oracle, Microsoft



# Smart Factory Industry 4.0 Made Smarter



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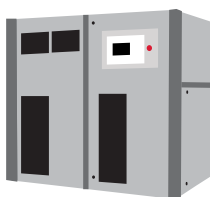
As an innovative injection moulding company in Austria, we listen to our suppliers for support, when it comes to machine usage and energy optimisation. CompAir is the partner that delivers.

”

## iConn – over-the-air-enabled and on-demand enhancements for total peace of mind

### iConn UNIVERSAL

- OEM service for any compressor brand
- True open-analytics for all compressors
- Quick & easy installation



With iConn Universal, non-CompAir components can be monitored in the same way – delivering the same great insights regardless of brand. A richer experience will always be delivered by CompAir equipment, but iConn is the only true brand agnostic service, developed by an OEM, in the marketplace today.

### iConn HD

- “Plug & play” streaming service
- On-demand bespoke trend analysis & reporting
- Tailored configuration with open APIs



A subscription-based “streaming” service delivering analytics on demand. Over-the-air-enabled, iConn HD can measure costs and efficiencies utilising data information to optimise any application. With full trend analysis and bespoke reporting and information – the service can be configured to give you exactly the information you want, when you want it – ensuring the health and performance of your installation is totally protected.

**iConn HD**, the subscription-based, over-the-air-enabled service for on-demand predictive modelling, also ships with two further options in the form of “Flow” and “Energy” sensors:

#### HD “Flow”

Utilising downstream flow sensors, HD Flow delivers detailed enhancements enabling the monitoring of temperature, pressure and flow across up to five downstream components, including non-CompAir products.

#### HD “Energy”

Plug-and-play sensors bring additional energy usage information online instantly, fed through the main iConn service and enable machine comparisons and consumption modelling across systems and sites.

# Get the best out of your compressed air installation



- Proactivity
- Assured warranty
- Comprehensive monitoring
- Planning certainty
- 24h service

Peace of Mind

Control

Industry 4.0  
Solution

- Smart process control
- Cloud based visualisation
- Proactive servicing
- Equipment integration
- Air audits

**iConn**  
by Gardner Denver

Savings

- Power cost savings
- Green advantages
- Better production performance

## iConn delivers

- **Customised Service and Data Analytics** on Mobile Devices
- **Compressor Analytics**, Smart Process Control, Energy
- **Cloud based Visualisation & Data Analytics Platform**; Preventative & Predictive Maintenance Optimisation
- **Built in Global Connectivity** plus Retro-Fit Kit options





“

We are in the food production industry in South Africa. We rely on CompAir to be the first to know if we have problems with our compressors. Their new compressor analytics tools make that possible.

”

#### Case study

### Deutsche Fertighaus Holding AG

Deutsche Fertighaus Holding AG, a market leader in Germany's prefabricated housing construction industry, used the iConn smart flow management tool to optimise energy use and preventative maintenance processes at their Simmern production plant.

DFH use Compair L-Series screw compressors to supply joinery machines, which engineers had to walk across large production halls to inspect. This is no longer the case – following the installation of iConn, the cloud-based platform gathers and records compressor plant data and makes it available in real-time from a computer or mobile device.

Irregularities, maintenance information, and even information on a stoppage are reported automatically to the user by iConn. It also lets DFH carry out proactive maintenance planning through an 'early warning system' for mechanical issues, and allows for easier remote energy auditing and remote monitoring.



“iConn has helped us achieve measurable success monitoring and optimising energy consumption. It is easy to operate, and saves us time visiting installations - we are simply better informed.”

#### Sven Michels

Mechanical Maintenance Foreman  
DFH Haus GmbH.

# 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