



### Maintenance Concepts & Proactive Maintenance – iConn

Our aspiration:  
best possible adaptation to the  
needs of our customers

Smart maintenance is not a luxury, but an economically sensible investment that ensures a smooth production process. Our experienced and qualified service partners maintain your compressors according to high quality standards and with exact documentation.

### Maintenance

The maintenance and protection of compressors is crucial for a manufacturing company. At your request, CompAir service partners can carry out both planned and unplanned repairs on complex machines and systems in order to maintain or restore full operational capability.



The right information at the right time:

## Predictive maintenance with iConn

### Early warning system for malfunctions

With iConn, CompAir has installed a cloud-based open “Analytics” service that can be shared across your compressor managed supply chain. The performance data from your compressor installation can be viewed from a remote computer, tablet or smartphone. iConn is part of the standard equipment of new compressors, but can also be “retrofitted” into any brand of compressor.

**iConn, the cloud-based platform that provides a remote view of the compressor station.**



Smart maintenance

### Customizing iConn according to your needs

#### iConn

**iConn** is the entry-level solution that provides a detailed and regular overview of the operating hours, reporting irregularities and maintenance information to the user automatically in real time. With **iConn Universal mode** it can be retrofitted into any brand of compressor and it is also possible to monitor third-party products.

#### iConn HD

With additional functions added, the system becomes **iConn HD** and enables predictive maintenance planning with an “early warning system” for machine malfunctions. This enables the user to implement predictive maintenance in line with requirements, which corresponds to the objective: maintenance precisely when the probability of a failure increases. Web-based remote monitoring with dashboard control is also available. This service includes predictive maintenance planning as well as maintenance and periodic energy analysis to give compressed air users total peace of mind.

**iConn HD** can measure cost and efficiency by using data information to optimize each application. With complete trend analysis and customized reports and information.

The service can be configured to give you the right information at the right time. **iConn HD** is optionally available with “**Flow**” and “**Energy**” sensors.

#### HD “Flow”

HD “Flow” uses sensors to monitor the temperature, pressure and flow rate of up to 5 compressors, including other brands.

#### HD “Energy”

Plug-and-play sensors immediately provide additional information on energy consumption online, are supplied via the main iConn service and enable machine comparisons and consumption models across systems and locations.

Proactive maintenance has a direct impact on operating costs.

### Advantages of proactive maintenance with iConn



Timely maintenance  
▶ **Increase in operating safety**



Optimization of parts management  
▶ **Low maintenance costs**



Shorter “planned stops”  
▶ **Better machine performance**



Avoidance of “unplanned stops”  
▶ **Minimal risk of failure**



Optimum planning of maintenance intervals  
▶ **Avoidance of superfluous servicing and field service deployments**

# Maintenance concepts

CompAir Service agreements	A Maintenance agreement	B Maintenance contract with extended warranty	C Full maintenance contract
<b>Benefits</b>	Economical operation of the plant	High availability and economic coverage of major risks	Maximum availability with 100% cost security
<b>Standard maintenance kits</b> 2,000 hrs / 4,000 hrs / 8,000 hrs	✓	✓	✓
<b>Preventive maintenance of hoses and sensors</b>	—	✓	✓
<b>Assure™ 10 &amp; PureCare™ Warranty coverage</b> (contract period up to 6 years)	✓	✓	✓
<b>Repairs</b> (outside Assure™ 10 conditions)	—	—	✓
<b>Term of contract</b>	unlimited	Standard 6 years, max. 10 years	Standard 6 years max. 10 years
<b>Calculation</b>	according to accrual / lump sum	lump sum	lump sum

## CompAir genuine spare parts

CompAir genuine parts ensure the safe and economical operation of your system. Compliance with the maintenance intervals is essential for energy consumption. In the event of a pressure loss due to improper filters, the high energy requirement exceeds the cost of maintenance. Do not endanger the safety of your production. Externally identical components can differ considerably.

## Pro Original – Protect your invest

- ✓ **Long service life**, even under harshest conditions
- ✓ **High reliability** improves plant up-time
- ✓ **Minimum losses** contributing to energy savings
- ✓ Products manufactured with the **strictest quality**
- ✓ **Quality Assurance Systems**

## Maintain service schedule



Example of a typical service schedule for oil lubricated compressors		Every 2,000 hours (or 12 months <sup>1)</sup> )	Every 4,000 hours (or 12 months <sup>1)</sup> )	Every 8,000 hours (or 24 months <sup>1)</sup> )	Predictive – when required
<b>A/B</b>	– Check Delcos controller (temperature, pressure, condition, default systems, service) – Check water cooling system, condensate, separation	•	•	•	
<b>C</b>	– Change air & oil filter – Check controller, electric, relief valve	•	•	•	
<b>D</b>	– Renew oil – Replace separator, victaulic couplings, greasing cartridges – Check oil recirculation, check valve, motor lubrication		•	•	
<b>E</b>	– Replacement of minimum pressure valve, maintenance parts suction regulator, oil recirculation – Inspection of emergency stop, frequency converter, motor coupling			•	
<b>Predictive</b>	– Compressor airend inspection – Check the oil hose lines and replace if necessary – Replacing the temperature sensor – Replacing the oil thermostatic valve – Airend replacement (if applicable, credit on return of your reusable old airend)				•

<sup>1)</sup> Whichever occurs soonest



# Quality needs protection

## New compressor installations

The Assure™ 10 warranties are available to the owners of oil injected rotary screw compressors, free of charge. A customer only has to allow a certified CompAir service partner to perform the services within the framework of the Assure™ 10 service schedule.

## Assure™ 10 rewarrant

Assure™ 10 allows oil lubricated CompAir compressors that are not currently within warranty to be re-warranted. All the compressor owner has to do is agree to a healthcheck to be performed, carry out any remedial work necessary and sign a service agreement with the CompAir authorised service provider – it's as simple as that.

## Assure™ 10 Terms of conditions

**iConn**  must remain activated during the warranty period ( $\geq 30$  kW).

Always use CompAir original maintenance kits, lubricants and downstream.

The system must be registered within 90 days of commissioning.

The CompAir certified service partner must register all maintenance performed and maintenance kits used using the qr code process for maintenance registration.

**For further information, please refer to the Assure™ 10 warranty conditions.**

**Please send your enquiry or order by e-mail:**

You can also reach us as follows:

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