



## Leak Detection

Compressed Air  
Vacuum  
Gases

Industry 4.0

Secure iConn Data  
Management

Compressed Air, Vacuum  
and Gases Management

**iConn**



# Compressed Air Leaks

# Industry 4.0

## Do we have a problem?

Compressed Air is an essential source of energy for many companies. Official figures state on average Compressed Air Systems have 25% to 35% air leaks, or greater in some cases.

Air Leak costs x 5 days x 50 week period; Based on .12p/Kw/hr

Example 1 Leak	Leak Cost	Cost to repair	Nett Savings
1 mm Ø hole (8 hour day)	£520	£45	£475
3 mm Ø hole (16 hour day)	£1040	£50	£990

Compressed Air System 8 hour shift (100% duty) x 50 Weeks

Example 2	Leak Cost	Cost to repair	Nett Savings
30kw Air System with 30% leaks	£2520	£550	£1970
75kw Air System with 30% leaks	£5850	£750	£5100

Increase the system pressure; or the shift hours, and Leak costs will escalate upwards.

## Best Practice.....

Typically Compressed Air or Vacuum pipework systems naturally develop leaks over a period of time. As part of an Energy Efficiency Best Practice program; as a Supervisor, Plant Engineer or Maintenance Manager you are probably the best person to ensure Periodic Leak Detection Re-Audits; Pressure optimisation; and adhere to the correct Maintenance schedules for all equipment.

Our Leak Detection Audit & individual Leak Tagging will reveal how much each leak is costing by Volume and by Value, and Tag indicating the priority of the repair. The Audit Report to ISO50001 will help you implement a full repair strategy, and finally the Efficiency Report will show you the increased efficiency and savings now being made.

## Leak Detector

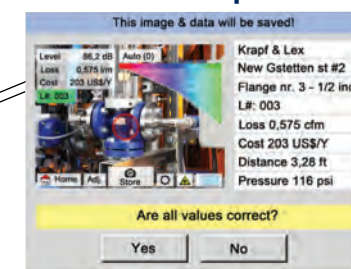


- Compressed Air
- Vacuum
- Gases

## Leak Detection / Survey



## Data Capture



## Data Storage



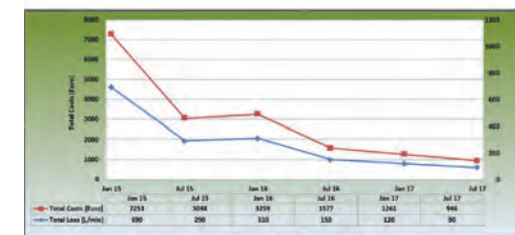
## Data Analysis



## Report For ISO 50001 Audits



## Efficiency Report



## Carrying out Leak Detection Audit...

- Photograph of each leak location
- Date:Time: recording
- Company Name/Department/Machine
- Identify the size of leakage in; L/min / M³/min or CFM
- Provide cost of the individual leak per year in; £, \$, or Euro's
- All leaks tagged with all the leak details including the priority repair status

## Put your Business First.....

### Option One

We are able to supply complete Ultrasonic Leak detectors with Leak analysis software and reporting for under £3,500.

### Option Two

Our on-site Leak Analysis audit service starts at £75 per hour plus ISO report from £250 subject to the size of your Air System.

### Efficient Cost Effective solution

The cost of identifying air leaks and repairing them will be a fraction of the cost (say 5% to 30%) of the cost of wasted energy from the existing leaks in your Compressed Air System.

### Customer Benefits

The payback will be in months; Immediate Reduction in Energy costs; Increase in Energy Efficiency; A reduction of Carbon Emissions and Climate Change Levy will be an ongoing Environmental Benefit.

Call us on 0800 027 8442 to discuss how we can help you.

## Start saving now.....

All work undertaken will be to ISO9001 & ISO50001 Quality and Energy Standards.



Our Leak Detection will work for any gas above 300mbar (4.3psi.g) pressure.



# Global experience – truly local service



Our Sales and Service trade counter in High Wycombe. 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 environment impact compressor 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

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

### Modern Control Systems

- CompAir DELCOS Controllers
- SmartAir Master Sequencer

### Value Added Services

- Professional Air Audit
- Performance Reporting
- Leak Detection

### Leading Customer Support

- Custom Engineered Solutions
- Genuine CompAir Parts and Lubricants



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