



# Cambs Compressors SOLUTIONS

SUMMER 2018

'Keeping the heart of Industry Pumping'

## Want to make your air distribution systems more efficient and reduce energy costs?



Cheaply installed piping may feel like a saving but it could be costing you a fortune.

### Is your compressed air distribution system leaking £££'s into the atmosphere?

According to the EU study Compressed Air Systems in the European Union, the compressed air distribution systems in 80% of all enterprises are the weakest link in their compressed air system. This means that each year thousands of £££'s are literally leaking into the atmosphere in hidden energy costs.

### Is your piping infrastructure optimised?

Your piping system design should optimise the transfer of compressed air at the desired flow and pressure to the point of use. Increasing the size of a pipe can reduce pressure drops. Shortening the distance the compressed air has to travel can further reduce pressure drops.

### Pressure drops cost a lot of money

Each compressed air consumer in the network requires a specific optimal operating pressure. If the operating pressure is too low, e.g. caused by too narrow tube cross-sections, the performance of the consumer is disproportionately reduced. By contrast, if pressure is too high it not only pushes energy costs up unnecessarily, it also shortens the service life of the consumers and puts unnecessary loading on the compressed air system which is unnecessary and highly inefficient.

## A dry air controller specifically designed for high tech applications

Cambs Compressors have created an innovative unit which generates 'ultra dry air' and combines with sensors to manage the moisture level and protects the integrity of the air supply.

### Regulates a dew point in excess of $-70^{\circ}\text{C}$ for a quality class 1

Dew point temperature is a measure of how much water vapour there is in a gas. Water has the property of being able to exist as a liquid, solid, or gas under a wide range of conditions. Increasing the pressure of a gas increases the dew point temperature of the gas. The importance of dew point temperature in compressed air depends on the intended use of it. Dew point temperatures in compressed air range from ambient down to  $-80^{\circ}\text{C}$  ( $-112^{\circ}\text{F}$ ), sometimes lower in special cases. Compressor systems without air drying capability tend to produce compressed air that is saturated at ambient temperature.



# Free audit of your compressed systems which enables an analysis of your hidden energy costs



Every compressed air pipework system is different because the configuration of your equipment, building and therefore pipework is unique to your needs.

- Does your system meet your present needs effectively?
- Do you feel you are paying too much out in energy bills?
- Do you have flexibility for future expansions?

## From a new distribution mains to minor modifications - we can provide 'no obligation' expert advice

Piping systems have many variables to take into account including vibration, pulsations, temperature exposure (internal and external), maximum air pressures, corrosion and chemical resistance. All issues that if not addressed, could end up being very costly. Cambs Compressors team of pipework engineers are experienced in designing and installing all types of compressed air systems.

## Free audit of your compressed air pipework and analysis of hidden energy costs

Cambs Compressors specialise in multiple types of air compression technologies, and are highly skilled in selecting the proper equipment design and layout for your operation. Our trained team of experts can walk you through each step of the process - and it starts with our free audit, all you need to do is call 0800 0029601

Our vast experience of industries and applications enables us to recommend the best piping material to suit any particular site's needs.

- **Highly trained, fully qualified and experienced project management design team and pipework engineers**
- **Design and layout to maximise efficiency of your compressed air system**
- **Working to the most exacting of health and safety and quality requirements**

# Crop storage and controlling dew point



What is drying and what is the dew point? Failing to understand this process could result in the destruction of entire crops during the storing process.

## Why you need to understand warm air sometimes dries and sometimes makes things wet

Understanding the reason behind this phenomenon means you have to understand what the dew point is. It is air that is expressed as a temperature (degrees celsius) and when the air cools down to this temperature (the dew point), the water vapour contained by the air starts to condense, which is visible in the form of dew, fog, mist or condensation on smooth, cold surfaces.

## Getting the right combination ensures your crop storage remains efficient

Cambs Compressors are innovators of bespoke air distribution solutions and air supply infrastructure for farmers and growers. Our technical engineering team has the agricultural experience needed to solve your toughest challenges. We design, supply, install and maintain a wide variety of crop conditioning systems for agricultural customers across the East of England.

## Avelair Compressed Air and Gas Solutions

# Avelair

compressed air solutions

Avelair design and manufacture an extensive range of energy efficient oil lubricated, oil free fixed and variable speed rotary screw air and gas compressors.

Avelair have built up a reputation for being one of the leading manufacturers of rotary screw air compressors and are based in Bury St Edmunds, Suffolk, UK. With an in-house electrical, mechanical and safety technical team, they design and test all of their range from the standard industrial compressors to more complex hazardous area compressors with Safety Integrity Levels.

Avelair has been a premium manufacturer of compressors since 1993 and their products have a reputation as being one of the most dependable compressors on the market today.

As your local distributor of Avelair products for over 24 years, the Avelair / Cambs team can support you 24/365

## F-Gas Register Certified



The F-Gas Register is appointed by the secretary of state for the environment, food and rural affairs (DEFRA) to operate an F-Gas Certification body under the stationary equipment provisions of fluorinated greenhouse gases regulations.

F-Gas regulations have been implemented in order to contain, prevent and thereby reduce emissions of f-gas fluorinated greenhouse gases.

F-Gas qualification 2079 for fluorinated gases and ozone depleting substances, is a requirement for those carrying out installation, maintenance or servicing of stationary equipment containing F-Gas refrigerants. It enables Cambs Compressors and our engineering team to comply with the latest F-Gas Government legislation and laws. This means that you can be sure all of the F-Gas Certification information and guidance you receive is the most relevant and up to date.



Certified F-Gas engineer  
find us on the [Fgasregister.com](http://Fgasregister.com)

## 24hr Emergency Air Compressor Repair Services



If you have a breakdown we'll be there within 3 hours day or night - or Cambs Compressors pay the labour and call out fees!

### 3 simple steps to getting your compressed air systems back up and running if it's broken down:

1. Your facilities are within the postcode area serviced by Cambs Compressors 24hr Emergency Air Compressor Repair Services
2. Call 07774 216 495 and describe the problem to the emergency engineer
3. Agree the call-out and labour fee and you'll have an engineer at your facilities within 3 hours

### 24/7/365 Response Emergency Air Compressor Repair Services

As production shuts down, revenue is lost - which is why we focus on getting you back up and running in the shortest timeframe. Whatever time you call, you will speak directly to someone who will be able to remotely diagnose your issues - and either, talk you through the solution - or dispatch the nearest engineer. The call-out engineer will be briefed en-route and be ready to set to the repair or actively diagnose the fault on arrival.

### Emergency mobile compressors and compressed air dryers

Although Cambs Compressors target a 'single visit fix' and each engineer carries an extensive stock of consumables and spares, sometimes this isn't possible. Which is why, to ensure your systems are back online as quickly as possible, the emergency call-out engineers have mobile compressors.

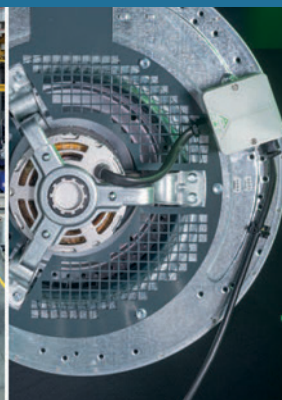
### Flexible and fixed price maintenance programmes custom to your facility's needs

If you rely on compressed air systems to operate your business, Cambs Compressors flexible preventative maintenance programmes will maximise your reliability. Our Platinum and Gold fixed price proactive maintenance programmes mean you can accurately budget for your annual service costs combined with 24/7 breakdown support 365 days a year. **To get a free quote on your servicing call 0800 0029601**

**Note:** To ensure we can provide the highest service levels and most responsive support, our flexible and fixed price programmes are only eligible to businesses operating within 50 miles of St Ives Cambridgeshire.

**Gold** - Price for maintenance programme and hours of call-out charged at 10% discounted rate subject to T&C's

**Platinum** - Price for maintenance programme includes call-out fee and labour subject to T&C's



# Flexible Maintenance Support Agreements

Cambs Compressors comprehensive maintenance plans are flexible and custom to your facility.

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## All maintenance programmes include:

- Full air system audit and risks profile
- Emergency Response and Call-out 24/7/365
- First Line Telephone diagnostics
- Engineer dispatched and on site within 3 hours
- NO call out fee
- 10% discount on standard hourly rate
- Flexible payment options to spread the costs monthly or quarterly
- Proactive servicing scheduling
- Updates on relevant HSE legislation



**For your free quote call 0800 0029601**  
or email [info@cambscompressors.co.uk](mailto:info@cambscompressors.co.uk)

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## Spotlight on ERP Air Compressors



ERP produces a vast range of quality air compressors, paint spraying equipment, pneumatic tools and air equipment

**ERP is based in Hull and has been established since 1977.**

Offering almost a thousand product lines, ERP's comprehensive range of equipment is renowned for durability and effectiveness, and designed to tackle tough tasks in many different fields.

ERP distributes its products throughout the UK and overseas. ERP Compressors and ancillary products provide solutions for a wide range of applications as diverse as agricultural, the automotive industry and the general industrial sector.

**If you're thinking about an ERP Air Compressor or need your ERP Air Compressor servicing then give us a call on 0800 0029601**

## Compressed Air Systems, Design, Supply, Installation and Support



**Compressed Air Equipment**



**Design & Installation Solutions**



**Compressor & Compressed Air System Maintenance**



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