Cutting the cost of compressed air

Minimising leakage
The largest component of cost in a compressed air system is energy. Yet it doesn’t have to be so large. Using a range of tools, including ultrasonic detectors, flow metering and data logging, leaks can be easily detected and quantified, even in noisy plant areas – saving you a fortune in compressed air costs. ERIKS can help you plan and implement a programme of preventative and reactive maintenance, designed to identify problem areas, so that leakage – and therefore energy loss – is minimised. In fact, we have identified over £1m of savings using our vast experience and know-how.

This is just a part of a broad range of services and advice we can contribute to reducing your overall system costs. This is available as part of a full service package which includes supplying replacement parts and installing optimised solutions.

<table>
<thead>
<tr>
<th>Diameter of leaks (mm)</th>
<th>Cubic metre/day</th>
<th>Loss/day £/leak</th>
<th>Loss/month £/leak</th>
<th>Loss/year £/per leak</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.8</td>
<td>66</td>
<td>0.88</td>
<td>25.67</td>
<td>308.00</td>
</tr>
<tr>
<td>1.6</td>
<td>264</td>
<td>3.53</td>
<td>102.83</td>
<td>1,234.00</td>
</tr>
<tr>
<td>3.2</td>
<td>1059</td>
<td>14.13</td>
<td>412.17</td>
<td>4,946.00</td>
</tr>
<tr>
<td>6.4</td>
<td>4236</td>
<td>58.52</td>
<td>1,648.50</td>
<td>19,782.00</td>
</tr>
</tbody>
</table>

Leak/£ loss examples

All the PNEUMATICS know-how you need

ERIKS UK, Amber Way, Halesowen, West Midlands. B62 8WG
Web www.eriks.co.uk
Tel 0845 006 6000
At ERIKS, our approach is simple – to offer you more.

From an unrivalled range of leading-brand pneumatics products, to unmatched application knowledge, we are committed to providing you with the very highest level of service and support.

At ERIKS, we have the largest range of leading-brand products currently available. What’s more, a vast number of them are held in stock, available for immediate delivery. Our logistics systems are designed to dovetail perfectly with your own processes for seamless service and the best value.

- **Largest range of products**
- **Specialist product knowledge**
- **Over £2.5m of stock**
- **Single product to fully integrated solutions**
- **Product identification and compatibility advice**
- **Delivering the best value for your needs**

Helping you get more from your pneumatics systems

At ERIKS, we have the people, the products and the expertise to help you maximise the performance of your pneumatics equipment. Our unique blend of impartial advice, knowledge and experience can play a real role in helping you minimise downtime and maximise system life expectancy.

**Largest team of dedicated pneumatics specialists**

No company of our type in our industry can offer more specialist knowledge and application experience in the pneumatics field than ERIKS. All of our customers are supported through regional teams, so there’s always expert advice nearby.

**Unparalleled product and engineering know-how**

Offering you more

More leading brands, more products, more knowledge

Our engineers can offer you a full range of expert services, from on-site analysis and diagnostics, to the design and installation of full custom solutions.

More quality, more services

When you work with ERIKS you

Maximising your profits

Working with you we can help identify opportunities to improve productivity, reduce operating costs, recommending investments and modifications with minimal payback periods. Our track record has generated millions of pounds of documented cost-savings signed-off by our customers. We can do the same for you.

A full range of training packages.

Unrivalled technical support.

Tailored logistics services.

All the Pneumatics know-how you need

www.eriks.co.uk
More choice, more knowledge

Leading brands, expert support

When it comes to control valves and actuators, there’s quite simply a vast array of choices. Knowing which is right for your application isn’t always easy. But we can help. We stock an extensive range of leading-brand products, so that we can offer you the perfect solution for every application.

Control valves

ERIKS can supply expert advice on the optimum valve selection, from simple on/off functions, to complete valve islands.

- ISO sub-base mounted
- 2/2, 2/3, 4/2, 5/2, 5/3 configurations
- Solenoid, pilot, mechanical and manually operated versions

Ensuring you get best value
From controlling pneumatic automation systems to controlling aggressive liquids, our team will ensure that you get the best-value solution for your requirements.

- Broad application knowledge
- Maximise performance and reliability
- Solutions for harsh environments

A valve for every application
There’s no application or environment outside our expertise. From valves with operational lifetimes of 200 million cycles, to valves for special applications, our products will help you get maximum performance and reliability from your system.

Actuators

ERIKS are expert in specifying actuators that enhance system reliability and productivity.

Actuators are critical to the performance of a pneumatics system. ERIKS can advise on and supply products designed to enhance system reliability and productivity.

- Cylinders to ISO/VDMA standards
- Compact
- Linear
- Rodless
- Rotary
- Electric

New project design
When you need support with a new project, we’re the ideal partner. We can provide expert advice on all key aspects, such as sizing, optimising and integration.

- Sizing – force, stroke, air consumption
- Optimising – life cycle, duty, reliability
- Integration – precision guided, pre-assembled XYZ systems, embedded functionality

More speed of service
When your system has stopped, get it started again in the shortest possible time. That’s where ERIKS comes in – with a speed of service that’s second to none, we’ll rush you an actuator that will get your production operation running again, faster than anyone else.

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Whether you’re looking for systems to ensure the cleanliness of your air supply, or high quality valves for any fluid or process application, ERIKS has the products, the people and the expertise to support your requirements precisely.

**Air preparation**

Contamination is a major contributor to pneumatic equipment failure. That’s why it’s essential to use effective air preparation equipment before distribution and at the point of use.

**Initial preparation**

ERIKS offers a range of products designed to deliver the levels of cleanliness demanded by today’s precision pneumatics systems. We can recommend the use of appropriate filters, regulators and lubricators to meet your specific needs.

**Addressing contamination issues**

Contamination can lead to both short- and long-term problems in a pneumatic system. At ERIKS, we have the expertise and experience to help you:

- Minimise the formation of oxides
- Eliminate clogging by oil aerosol residues
- Prevent the ingress of dust and dirt

High purity filtration assembly

**Valves for fluid and process control**

As one of the fastest growing product areas for ERIKS in Europe, our experience and capabilities are now recognised for delivering value through know-how.

The ERIKS ranges of high-quality valves suitable for handling a wide variety of media are available in a variety of materials including brass and stainless-steel. ATEX-certified and actuated versions are also available.

We recognise that many applications you face are unique and may have particular challenges combining specific application requirements with engineering and quality manufacturing practices. Our service offers the convenience of standard features with the option of customising for a specific process or a complete sub-assembly.

**Fittings, tubing and accessories**

ERIKS offers the most comprehensive range of connector products available, from standard products to solutions for specialist requirements.

- Push-in fittings
- Compression fittings
- Ball valves
- Quick release couplings
- Tubing
- Function fittings
- Vacuum

**RX® Fittings and accessories**

With ERIKS new RX range of pneumatic fittings we provide advanced solutions perfectly matched to market requirements. 100% leak tested, they are suitable for most pneumatic applications and are available in all sizes and all variants.

**Want to reduce component failure?**

Air preparation solutions from ERIKS can help.