

ERIKS Compressed Air Savings Programme

know-how makes the difference

ERIKS

COMPRESSED AIR SAVINGS PROGRAMME

- Finding and fixing leaks
- Application efficiency audits
- System monitoring
- Pressure reduction and control



COMPRESSED AIR COSTS

Compressed air is an expensive resource but it is still regarded by many users as a no cost or low cost item, after all “air is free”. As this lack of understanding prevails, little, if anything, is done to deal with wastage via leakage and misuse.

Across all industries leakage averages 30% of the total produced, with some sites losing as much as 60% of the total air generated.

This creates an even greater demand for capacity to keep up with the losses, resulting in increased energy consumption, counterintuitive to your CSR goals and increasing the costs of your energy bills.

Inappropriate use covers supplying compressed air to idle plant, using higher pressures than necessary, not using energy efficient components and using compressed air where other technologies may be more cost effective.

And that's where the acquired knowledge, in-house capabilities and experience of the ERIKS Fluid Power Application Engineers have been able to save customers millions of pounds on the production cost of compressed air whilst saving tonnes of CO₂.

Reducing air pressure by 1 bar **saves 7%**
1kW of electricity = **0.5kg CO₂**

ERIKS ULTRASONIC AIR LEAK REPORT

Stage No.	Image	Size	Area	Point	Location	Leak Comments	Necessary part details	Estimated Cost of Repair	Short Term Repair	Estimated Annual Cost of Leak	DO handling from 01/01/20	Pressure & Leak Severity	Urgency/ Month
1		LP Air < 7bar	Line 2a platform cap screw	Table Cap in front top upper control panel	Drain cap on filter regulator	Replace/haul assembly	Parts list/hold 1 bar	£ 77.00		£268.00	90.00	6 Severe	07/4/20
2		LP Air < 7bar	Line 2a platform cap screw	Bottle top lower about	Y valve supply union	Replacement and recheck connections. Consider a more energy efficient process	Y valve	£40.00		£100.00	41.00	6 Small	9/20
3		HP Air > 7bar	Line 2a platform cap dipper handle	Bottle top dipper about	Main air inlet union from isolation valve	Loose connection	NA	£25.00		£261.47	40.00	7 Small	11/4/20
4		HP Air > 7bar	Line 2a platform cap dipper handle	Main air drop on platform cap dipper handle	Push fit connection from isolation valve going to ISO 228.1 regulator act.	Loose from thread. Replace fitting	1/4" to 1/2" hex	£27.00		£281.00	47.00	8 Medium	06/05
5		HP Air > 7bar	Line 11	Gas control panel fit at gas and oil valve	Drain cap on filter regulator	Replace/haul assembly	LA 4 mid a	£77.00		£261.00	46.00	8 Medium	06/05
6		HP Air > 7bar	Line 11	Filter cap on head cleaning station at supply location bay	Y Union	Replace Y Union	1/2" hex push fit connection	£27.00		£261.00	46.00	8 Medium	06/05
7		HP Air > 7bar	Line 11	Valve cover (DAM01020) near drive roller	Unit constantly exhausting	Investigate	Check for O220 leak			£1,100.14	67.00	9 Heavy	02/4/20

Example air leak report



ERIKS SERVICE OFFERING



Full Report

A Standard report delivered immediately after completion of the survey. Report details size of the leak and estimated cost. Accurate location information and image of failing/failed component.



First Fix

Effect basic repairs where possible. Remake joints, replace fittings, gauges and other non active parts. First fix capability depends on being able to access the equipment safely, which usually requires isolating the mains air supply. Also, a full bill of materials required to effect all of the recommended repairs as identified in the survey will be supplied.



Application Audit

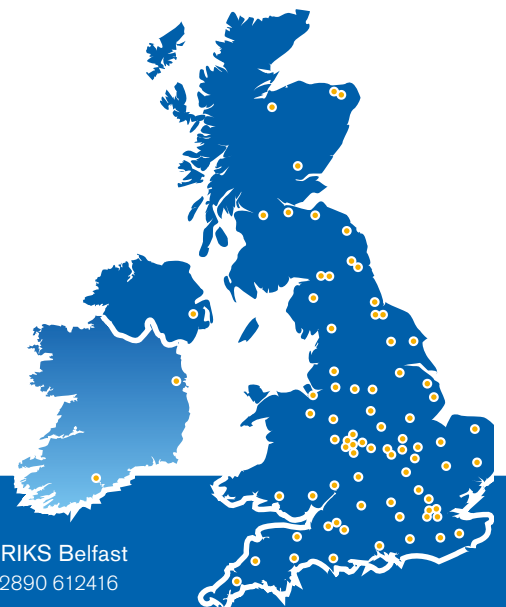
A comprehensive audit of the agreed plant / area. A report recommending actions required to minimise compressed air usage with estimated costs to implement and payback period.

	Standard **CASP-001	Standard + **CASP-002	Premium **CASP-003
Price (per day)	£795	£895	£1295
Air Leak Survey	■	■	■
First Fix*		■	■
Application Audit			■

A systematic approach to compressed air management could actually result in some compressors shutting down, giving significant cost savings.

* First fix is dependant on the facility to isolate the supply to the equipment.

** ERIKS order code



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