



Leak Detection

What is it and why is it important?

- Leak detection is an essential element of HVAC/R system maintenance
- Every year in the UK around 4000 tonnes of gas is sold, with between an 8-10% loss through gas escaping*
- Refrigerants like R32 have the lowest ODP and GWP of all refrigerants, however they are still harmful and accurate leak detection, done quickly can only benefit the environment
- There are a variety of leak detection methods, both fixed and portable and it is important to use the right method depending on system size
- Leaks can form for a variety of reasons: System design and components, brazing, how pipes are supported routed and clipped, standard of installation and standard of service and maintenance to name a few.

“Accurate and regular leak detection ensures that HVAC/R systems run efficiently. Not only this, lost refrigerant can harm the environment and your pocket.”

Quick check leak detection selector

To help you choose the right product for the job.



[Download PDF](#)

The environmental cost of lost refrigerant

The environment is at a tipping point, precipitated by years of unrestrained man-made pollution and some of this pollution is attributed to the HVAC/R industry. Many of the estimated five billion refrigeration, air-conditioning and heat pump systems in use globally, use refrigerants with significant global warming potential (GWP), where a single kilogram can cause as much atmospheric damage as 3900kg of carbon dioxide.

So what can you do?

Help your customers understand the importance of regular maintenance visits. We have put together a downloadable flyer which you can hand out to your customers.

[Download your flyer today](#)

We are the leak detectorists

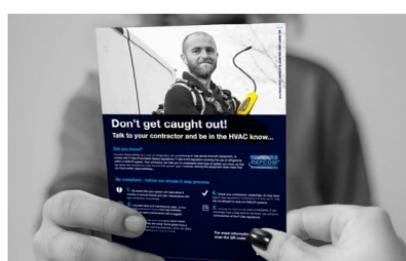
Campaign for change

We partnered with [BESA](#), [REFCOM](#), [A-Gas](#), [World Refrigeration Day](#), [Mitsubishi](#), [Daikin](#), [TQ Environmental](#) and [Spectrolin](#) to discuss what are the important industry issues surrounding lost Refrigerant. As part of this meeting, a document was drawn up which details the CO2 and £ lost when refrigerant leaks from a system. For many companies, they are unaware of the hidden costs to both the environment and financially and our downloadable form (coming soon!) can be used to educate your customers as to their obligations.



We ask industry leaders “Are we doing enough?”

[Watch video](#)



Educate your customers as to their obligations.

[Download form](#)

Training & Products

We have teamed up with BESA, REFCOM, Mitsubishi, Daikin, TQ Environmental and Spectrolin to bring you the most up to date training available.

[View training links](#)

[View leak detector product selector](#)



Top tips

We asked on our social media platforms, what are Engineers ‘Top Tips’ for leak detection... Here are a few..

‘Make sure you have plenty of Nitro and Blue Bubbles’

Franchise18

‘Check all mechanical joints first and have a keen eye’

Aircon.solutions

‘Take your time and don’t get frustrated’

Javaman_jc

‘Be through and patient’

Arash_jalali

‘Take your time. Leak testing should never be rushed’

Refrigerationuk

Want to know more?

Want to be involved with campaigns and discussions in the future? [Email us](#) your name, company name and email address and we will get you signed up!

Aspen Pumps Group in association with



Leak detectorists: we’ve got you covered