



A sensor
with a 15+
year lifetime

AT-SRG air conditioning and heat pump refrigerant leak detection

The next generation in sensor technology
for a better and safer environment



aquilar
leak detection solutions

The new AquiTron AT-SRG refrigerant gas leak detection system

AquiTron has developed an innovative solution to detect refrigerant leaks that offer complete assurance and protection for end users, building occupiers and the environment.

Tired of replacing old semi-conductor sensors every 2-4 years? The AquiTron AT-SRG will give you a minimum of 15 years' trouble-free operation.

- No false alarms
- No poisoning of the sensor
- No cross-sensitivity with other gases
- Lower cost of ownership



How the technology works

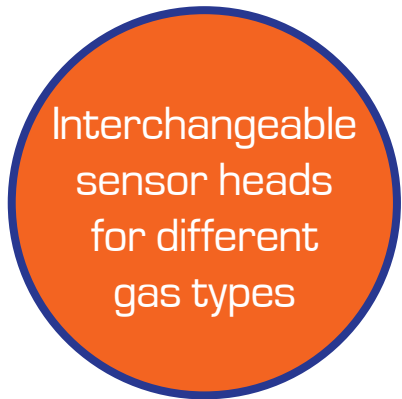
Step away from 60-year-old semi-conductor or high cost infra-red gas detection technology and into the future with molecular property spectrometer testing.

The AT-SRG uses a reliable, fast, reusable compact sensor with built-in environmental compensation.

The sensor gives accurate and dependable refrigerant gas leak alarms each and every time.

The AT-SRG sensor for refrigerant gas targets a range of commonly used refrigerants such as A1 gas (R410A) A2L gas (R32) or A3 hydrocarbon (like propane R290)

The sensor is essential as part of a life safety system for continuous monitoring of refrigerant gas leaks from air conditioning and heat pump systems serving occupied spaces – essential for where high-efficiency, high-volume refrigerant cooling and heating systems are used to keep the indoor environment comfortable.



Interchangeable
sensor heads
for different
gas types

A sensor with a 15+ year lifetime to reduce your costs and maintenance

We believe that leak detection sensors are not consumable parts which is why the AquiTron AT-SRG sensor has a lifetime of 15+ years without the need for replacement or maintenance.


Reduce your lifetime cost for refrigerant gas sensing and monitoring. The AquiTron AT-SRG is the only refrigerant, air conditioning and heat pump gas sensor to have a 15+ year lifespan.

The sensor is designed to safeguard people in occupied spaces within residential and commercial buildings such as hotels, apartments, hospital rooms and offices. Suitable for single to large multi-zone installations.



Why the new, revolutionary AquiTron AT-SRG sensor makes perfect sense!

- 15+ year sensor lifetime means low lifetime cost of ownership
- Compact UK single gang electrical socket size for an aesthetically-pleasing, non-intrusive appearance
- Simple installation, set-up and commissioning as no calibration required
- Easy system testing with a plug-in alarm emulation module (no gas required)
- Immune to poisoning – the sensor is not affected by hairspray, deodorants or other non-target gases
- Multiple alarm outputs, audible and visual, centralised and BMS monitoring
- Automatic temperature and humidity compensation
- Mains and low voltage power options
- Easy sensor replacement (plug & play) with interchangeable sensor heads for different gas types



Immune to poisoning and only reacts to target gas

It's all about compliance – achieve the standards

Install a fixed leak detection sensor

Leak Detection sensors and systems are required by many standards and regulations to protect both people and the environment from the harmful effects of leaking refrigerant gas.

As well as ensuring safe and reliable operation of your HVAC & R system, the AquiTron AT-SRG sensor can contribute towards compliance of the following standards:

bsi.

BS EN 378: 2016 Refrigerant Safety Compliance.

This is a standard that sets out the safety and environmental requirements of refrigerating systems and heat pumps with an aim to minimise the risk of hazards to people and the environment, minimise product failures and enhance overall operational efficiency of the system.

A critical part of this is refrigerant leak detection and the installation of a system to protect people in occupied spaces.

BREEAM[®]

BREEAM PoI 01: Impact of Refrigerants.

This is the leading and most widely used environmental assessment method for buildings.

When a refrigerant gas leak detection system is installed, one credit is available when using the AquiTron AT-SRG sensor.

f-gas

Under **F-Gas** rules, refrigeration, air conditioning and heat pump systems require mandatory leak test checks.

The frequency of these checks can be reduced based on system/charge size and whether a fixed leak detection system is installed.

Larger systems containing 500 tonnes CO₂e or more of HFC refrigerant must be fitted with a fixed leak detection system.

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Can We Help You?

If you have a project that Aquilar can assist with, please call us on 01403 216100