

Introducing Airgon

AIRGON₂

Financial and Environmental Benefits For
Housing Associations and Private Landlords

- ROI is typically around 18 months plus 20 years of financial benefits
- 33% reduction in boiler replacement programme
- Saves 0.6 to 1.2 MT CO₂e per house per annum
- Tenants benefit from 20% reduction in heating bills
- Genuine fuel poverty solution



Introducing Airgon

A clever piece of British manufactured technology that extracts the air from any wet heating system, whether the heating method is gas, electricity, LPG, ASHP or even biomass.

No air in the heating system means lower heating bills, no air locks in the radiators or further magnetite build up.

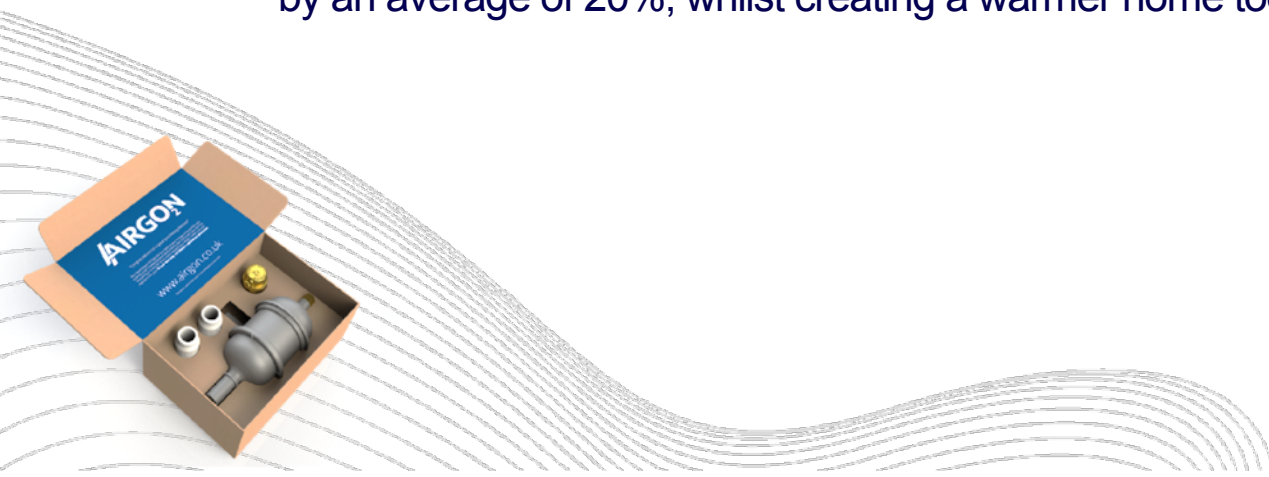
Tested and validated by TUV SUD to reduce heating bills by 15.47% for new boilers to 31% for older systems.

Key Benefits To Landlords

1. ROI is typically around 18 months plus 20 years of financial benefits
2. 33% reduction in boiler replacement programme
3. Saves 0.6 to 1.2 MT CO₂e per house per annum

Key Benefits For Tenant's

Airgon is a genuine fuel poverty solution by reducing a tenant's heating bills by an average of 20%, whilst creating a warmer home too.



How does Airgon work?

Airgon removes the air from all wet heating systems regardless of the fuel type. This includes gas, electricity, LPG, ASHP or even biomass.

With no thermal barrier, results are noticeable within hours of installation with hotter radiators and quieter running.

Without air, there is no further build up of magnetite sludge, which extends the life of the boiler and reduces unplanned maintenance.

With the air and gases removed from the water in the wet heating system, more heat is released and less fuel consumed.

TUV SUD have validated Airgon to reduce heating bills by 15.47% on new boilers and up to 31% on older systems, which is also the amount of carbon reductions achieved.

Installation is easy and can be completed by any plumber in under 1 hour.

There are no moving parts, no servicing, no dosing and no maintenance required.

Airgon is tested to 10 bar and warranted for 20 years.

“ Airgon provides a guarantee that a 10% saving will be achieved. ”

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How AIRGON₂ works

1

As the water enters the Airgon via the inlet, it swirls into a vortex within the chamber.

2

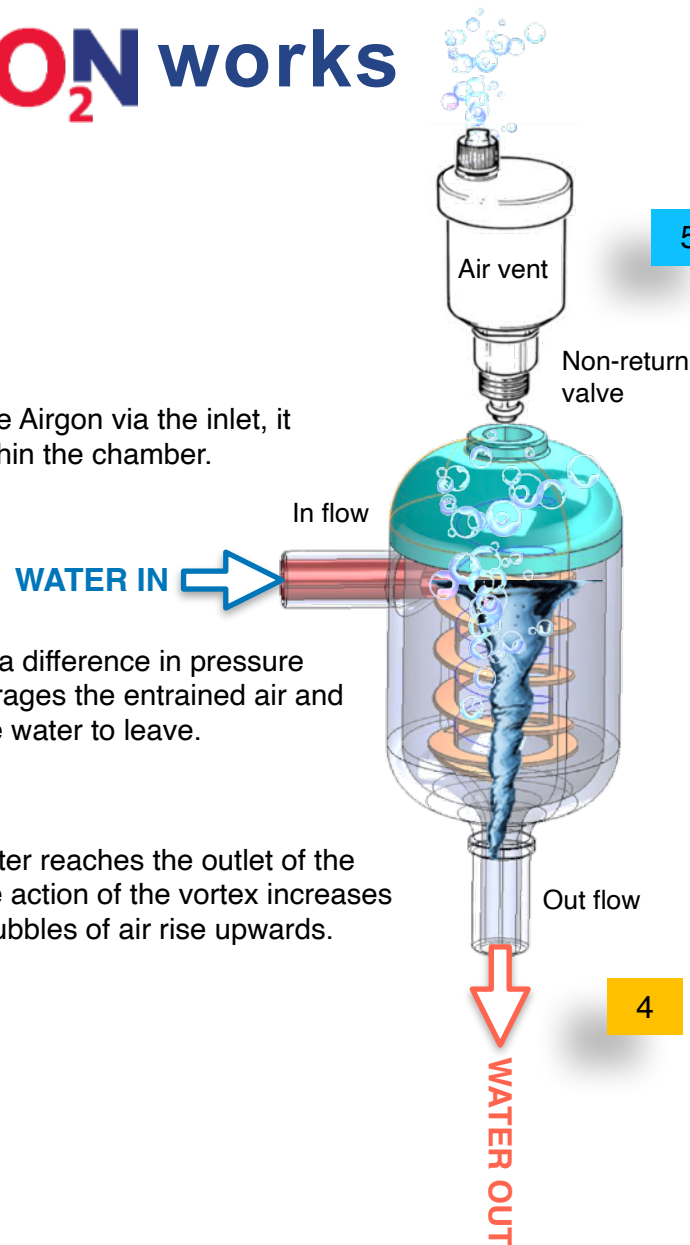
This creates a difference in pressure which encourages the entrained air and gasses in the water to leave.

3

As the water reaches the outlet of the Airgon the action of the vortex increases and the bubbles of air rise upwards.

5

These bubbles are collected and released from the system through the one-way air vent.



Airgon it is the size of a tin of baked beans

4

The water is drawn out through the outflow to continue around the system with no air in the water. This eliminates cold spots and air locks in radiators and stops magnetite (rust) being able to form. The cycle continues to ensure water is air free.

Key Benefits To The Landlord Explained

Benefit #1 : ROI Achieved in Around 18 Months From Reduced Maintenance Costs

Airgon extracts the air out of the wet heating system, eliminating air locks and stopping the further build up of magnetite, which greatly reduces the cost to the landlord of plumber call outs.

The savings in plumber call out charges justify the installation cost of Airgon in approximately 18 months.

Over 20 years, the savings to the landlord from call out charges for air lock related call out charges is around £4,000.

Airgon costs £207.50 plus vat plus a plumber to install at £100*.

Total Installation Cost To The Landlord £307.50

Assuming two plumber call outs per annum per house at £100 a visit, equates to £300 over a 18 month period.

Therefore Airgon pays for itself in approximately 18 months.

Benefit #2 : 33% Reduction In Boiler Replacement Programme

As there is no air or magnetite in the system, the boiler can produce the same heat for 20% less effort, resulting in boilers lasting on average 6.8 years longer.

A boiler lasts typically 10 years and with the addition of an Airgon, it will now last for around 17 years.

Therefore over a 30 year period, instead of replacing the boiler three times, it will now only require being replaced twice, which results in a 33% reduction in the boiler replacement programme.

Home With No Airgon

Boilers last typically 10 years.
Over 30 years, this requires 3 boilers.

Home With An Airgon

An Airgon will extend the life of the boiler by around 6.8 years
Over 30 years, this means only 2 boilers are required.

This results in 33% cap exp saving to the landlord.




Benefit #3 : Saves Around 0.6 to 1.2 MT CO2 Per House

The carbon savings are directly linked to the energy savings of 15.47% (new boilers) to 31% for older systems.

Therefore Airgon offers a valuable decarbonisation tool.

*Plumber costs - The £100 plumber cost is for illustration purposes and customers with a good relationship with their plumbers may find a more accurate figure is £70-£80 per property.

Airgon Is Unique And Competitive Advantages Include

Product	Savings	Removes Air & dissolved Gasses	Removes Nitrogen	Prevents Corrosion	Prevents Thermal barrier	Extends boiler life
	Typically 20%	✓	✓	✓	✓	✓
	Est 6%	X Micro bubbles	X	X	X	Partially
Self Bleed Radiator Valves	0	X	X	X	X	X
	0	X	X	X	X	Partially

Airgon is the only product of its type on the market that provides :

- Consistently removes dissolved oxygen to inert levels preventing corrosion
- Professionally designed and manufactured from a specialist ABS to **ISO 9001:2015, ISO 14001 and ISO 45001**
- Removes the thermal barrier caused by Nitrogen allowing more heat into the space for less fuel consumption
- Resolves all air related issues in a wet heating system – *Extending system life, reducing unplanned maintenance and increasing radiator heat output*

Summary Of All Benefits

- Reduces Heating Bills On ALL Wet Heatings By 15% to 31%
- Validated by TUV SUD
- 10% Guaranteed Savings *
- No Air Locks Or Further Magnetite Build Up
- ROI To The Landlord Is Around 18 Months
- 33% Reduction In Boiler Replacement Programme
- No Radiator Pin Holing
- Reduces Carbon Footprint typically 0.6 to 1.2 MT CO₂e per household per annum
- Hotter Radiators, Warmer Home And Happier Tenants
- Lower Maintenance Costs From Less Mould (due to less cold spots)
- 20 year warranty, no moving parts or servicing required
- Easy installation by any plumber in 1 hour

Next Step

We are the UK's distributor of Airgon and would be delighted to chat to you about Airgon being installed into your tenant's properties. This could be as a refit programme or even a trial in order to test the product. You can use your own plumbers or we can offer our installation partner.

The recommended Airgon RRP is £207.50 plus vat including shipping and we can negotiate discounted prices for volume orders.

Airgon offers a genuine opportunity for landlords to :

- Reduce their operating expenses with lower maintenance costs
- Repay the installed cost of the Airgon from these savings in typically 12 months
- Control capital expenditure by extending boiler replacement programmes by 33%
- Significantly reduce their housing stock's carbon footprint
- Provide a genuine fuel poverty solution for their tenant's for the next 20+ years

We look forward to chatting with you.

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UK Distributor



Our primary short term focus is to help 100,000 home owners/tenants and 2,000 businesses with following tangible benefits :

	Financial Savings	Environmental Savings	Charitable Donations
Help 100,000 Homes	£40 million pa	100,000 MT CO2 pa	£100,000 – £1 per unit
Help 2,000 Businesses	£12 million pa	24,000 MT CO2 pa	£ 20,000 – £10 per unit



MND Scotland is one of our chosen charities

HELPING TO END FUEL POVERTY