

Introducing

# AIRGON<sub>2</sub>

Validated by TUV SUD  
to Reduce Heating Bills Up To 31%



# The Highest Performing And The Most Effective Energy Saving Product On The Market

This clever British technology works on all wet heating systems (gas, electricity, ASHP, biomass, oil and LPG) and is the **only** technology that extracts ALL the air from the water, including micro bubbles, entrained gases and nitrogen.

With no air in the system, there is no thermal barrier and the water can be heated using less energy, which lowers heating bills.

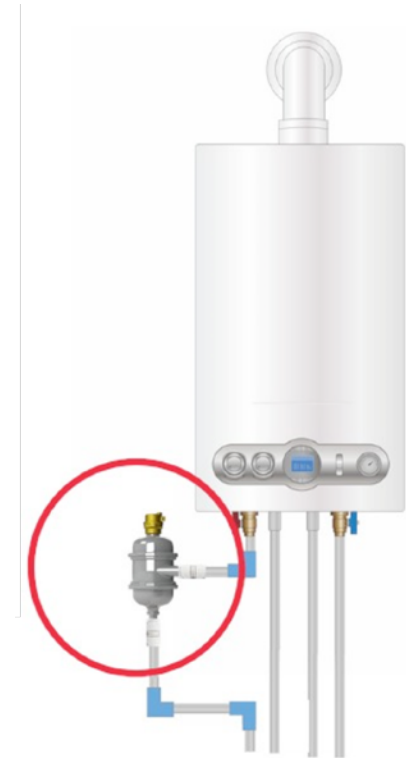
- No air locks means no bleeding of radiators or plumber call out charges
- No air means no magnetite build up, making the boiler last longer

Airgon has been tested and validated by TUV SUD and will save :

- **15.47% in heating bills with a new boiler**
- **Up to 31% for older heating systems**

TUV SUD are the world's leading testing laboratory and work with the UK government testing energy saving products.

Their clients include NASA, they employ over 16,000 people and turnover £2.4 bn.



# Key Features And Benefits

Airgon is suitable for all domestic and commercial properties with a wet heating system.

- Reduces heating bills by typically 20%\*
- Validated by TUV SUD
- 10% savings guarantee\*\*
- Typical payback in under 12 months
- No air locks or further magnetite building up
- Hotter radiators and a warmer property
- Greatly reduced unplanned maintenance
- Extends the boiler life by 5-7 years
- Reduces carbon footprint by an average 1 MT CO2 pa
- 20 year warranty
- No moving parts, servicing or maintenance
- Eliminates radiator pin holing
- Easy installation in under 1 hour (A22 domestic Airgon)

\*TUV SUD are the world's leading testing laboratory and are the UK governments testing partner for energy saving products. Their clients include NASA, they employ over 16,000 people and turnover £2.4 bn.

TUV SUD have tested and validated Airgon with the following energy savings results :

- New boilers - 15.47%
- Boilers over 5 years - up to 31%



\*\* If a minimum 10% saving isn't realised over 12 consecutive months from installation, Airgon will provide a full refund of the device cost – subject T&C

# How Does Airgon Work?

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

For the A22 Airgon, installation into domestic and smaller commercial properties is easy and can be completed by a 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 AIRGON<sub>2</sub> works

1

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

2

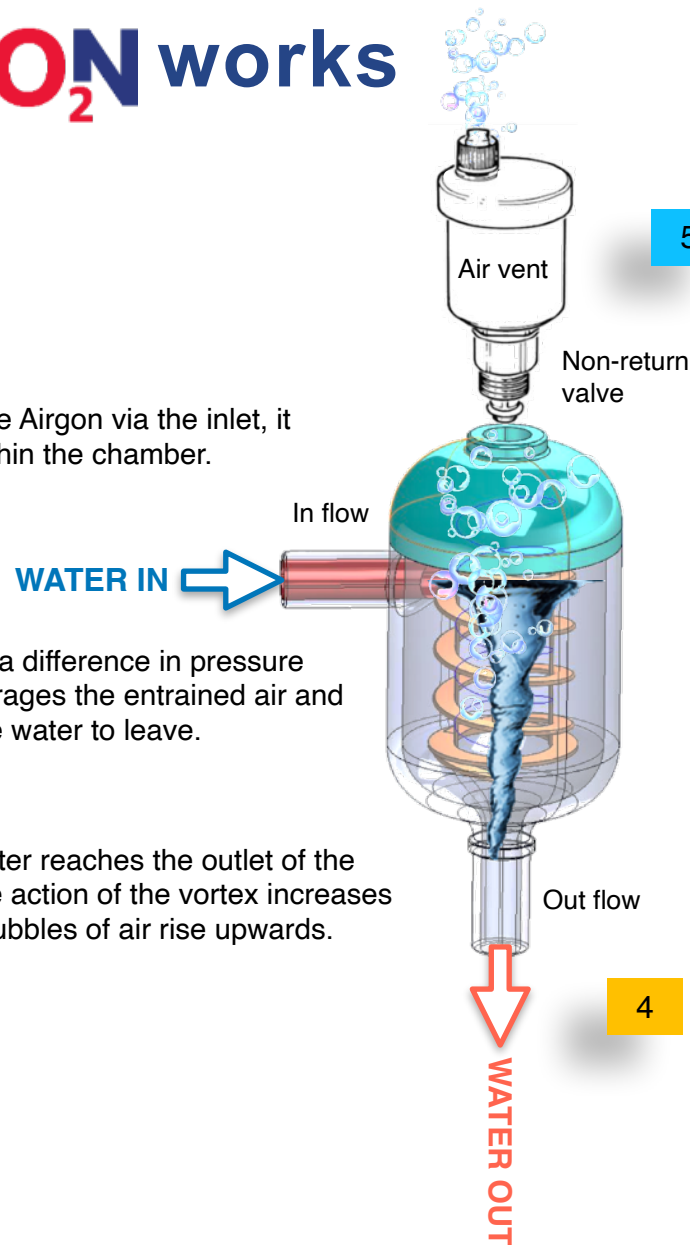
This creates a difference in pressure which encourages the entrained air and gasses in the water to leave.

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.



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.

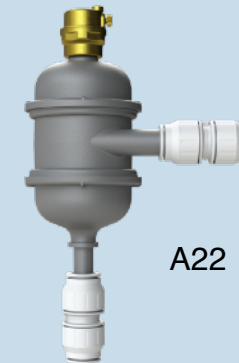
# Airgon Comes In Two Models

## A22 Airgon Home

The Airgon Home can be installed into pipework ranging from 15mm to 28mm and comes with JG Speed fit 22mm inline connectors, a pre-fitted non-return check valve and 3/8 Airvent.

Pressure tested to 10 bar.

Dimensions H: 226mm W: 102mm and the total weight installed is 428g.



Same size as a tin of beans

## A22 Airgon Plus

The Airgon Plus is ideal for smaller retail and commercial premises and can be installed into pipework up to 28mm and is scalable for multi-zone installations.

Pressure tested to 10 bar.

Dimensions H: 226mm W: 102mm and the total weight installed is 428g.

## A54 Airgon Commercial

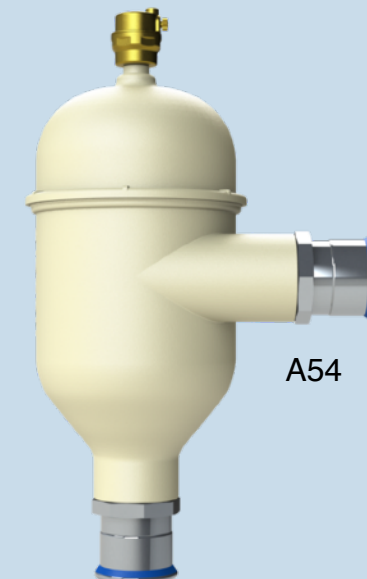
The A54 Airgon is designed for larger commercial properties with 54mm pipework, which can be stepped down from 100mm

Pressure tested to 10 bar.

Manufactured from stainless steel.

Dimensions are H: 332mm (420mm with the non-return valve and Air vent fitted) W: 167mm and including the inflow spigot 203mm.

Total weight with fittings is 3.5Kg



# Competitive Advantages

Product	Savings	Removes Air & dissolved Gasses	Removes Nitrogen	Prevents Corrosion	Prevents Thermal barrier	Extends boiler life
	15 - 31%*	✓	✓	✓	✓	5-7 years
	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
- A22 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

\*15 - 31%\*Validated by TUV SUD

# Important Facts : The Power Of AIRGON<sub>2</sub>

## **Fact #1 : Airgon Will Meet Nearly Half of UK Government's Carbon Saving Target**

If Airgon was fitted into every one of the UK's 23 million homes, it would meet almost 50% of the UK Government's 2050 domestic carbon reduction target in one measure!!

## **Fact #2 : Airgon Could Save Home Owners £46.3 billion over 5 Years**

Based on the average household use and spend on heating from the Office of National Statistics and Ofgem, Airgon will save home owners on average £2,013 over 5 years.

If everyone using a wet heating system fitted Airgon, it would save a combined £46,299,000,000.

## **Fact #3 : Airgon Could Save 13.8 million MT Tonnes CO2 Every Year, Equivalent to Planting 690 million Trees**

If all 23 million homes in the UK had an Airgon, it would save 13.8 million MT tonnes of CO2 every year.

That is the equivalent of planting 690 million trees and increasing the total number of trees in UK by 23%.

## **Fact #4 : Government Can Save Every Home £8,040 in Heating Bills**

Instead of the UK government giving each home owner £400 in energy support, it could meet the Airgon installed cost of around £350-£400 per home.

This would save each home owner around 20% on their heating bill, which is worth around £400 each year for the next 20 years or £8,040 over 20 years (assuming gas prices remain unchanged).



# Next Step

We are the UK's distributor of Airgon.

We would be delighted to discuss with you the benefits of Airgon, and why it is the highest performing and the most effective energy saving product on the market.

No other product on the market is able to provide the same :

- Levels of energy saving (and therefore carbon saving)
- Reductions in maintenance and servicing costs
- And typical ROI's under 12 months due to its competitive pricing

We are able to offer Airgon fully installed, or equally on a supply only basis.

We look forward to chatting with you.

Marc Wynn  
Managing Director  
07798 646 936  
[marc@assetutilities.com](mailto:marc@assetutilities.com)



We are donating £1 from every Airgon A22 purchased to raise £30,000 for MND Scotland

## HELPING TO END FUEL POVERTY

We are also donating £1 from every Airgon A22 purchased to raise a further £30,000 to allow an Airgon to be installed in homes for free for those people who are unable to pay for them.

UK Distributor

  
**asset utilities**  
Delivering Solutions

