

Introducing

**AIRGON<sub>2</sub>**

**Validated by TÜV SÜD  
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 microbubbles, 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.

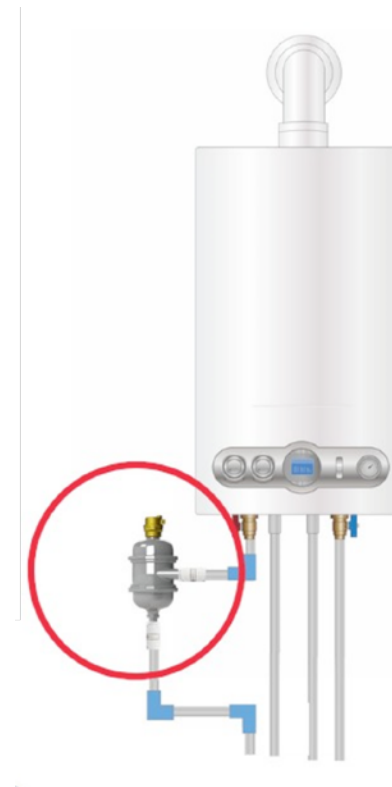
- No air locks means no bleeding of radiators or plumber call out charges
- No air means no magnetite build up, making the boiler last longer

Airgon's performance has been validated by TÜV SÜD and will save :

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

**TÜV SÜD** are the world's leading testing laboratory and work with the UK government testing energy saving products.

Their clients include NASA, they employ over 26,000 people in 1,000 locations 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 TÜV SÜD
- 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 CO<sub>2</sub> pa (domestic)
- 20 year warranty
- No moving parts, servicing or maintenance
- Eliminates radiator pin holing
- Easy installation in under 1 hour (A22 domestic Airgon)

A22 for domestic and smaller commercial



A54 for larger commercial



\*\* 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.

TÜV SÜD 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 (A22) and 18 bar (A54) and warranted for 20 years.

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

# 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

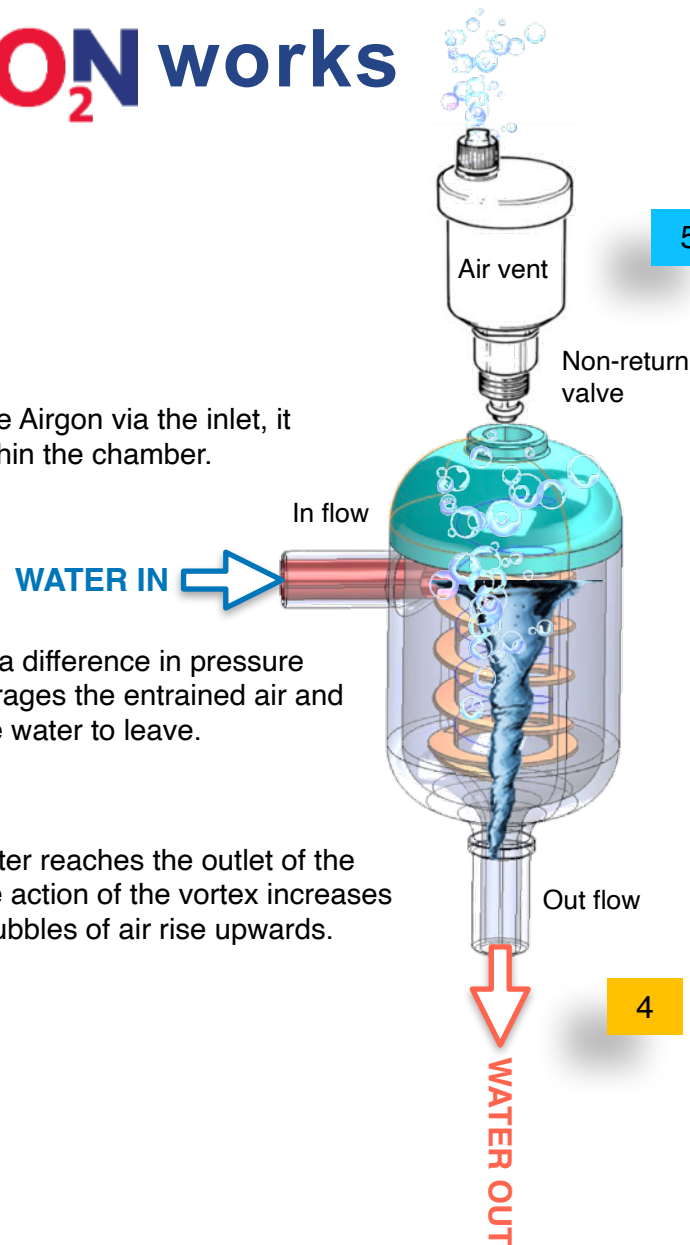
This creates a difference in pressure which encourages the entrained air and gasses in the water to leave.

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.



# There Are Two Models Of AIRGON<sub>2</sub>



## A22 - For Domestic and Smaller Commercial Properties

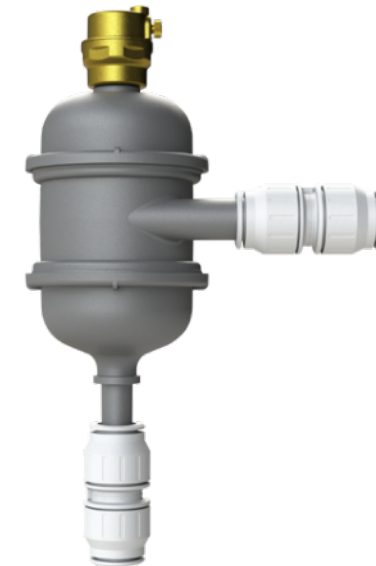
The domestic Airgon can be installed into pipework ranging from 15mm to 28mm diameter and comes with JG Speed fit 22mm inline connectors, a pre-fitted non-return valve and a 3/8" Automatic Air vent..

The body of the A22 is Injection moulded from a specialist ABS to meet the requirements and safety standard of all wet domestic heating systems.

The Airgon A22 is designed and manufactured in the UK to BS EN : ISO 9001:2015, ISO 14001 and ISO 45001.

RRP Supply only : £207.50 plus vat

Datasheet	Airgon A22
Material	ABS Plastic
Dimensions	H: 226 x W: 102
Max dims with fittings	H: 280 x W: 102
Total Weight	215g + AAV (124g)
Max Op Temperature	110°C
Pressure Testing Test conducted with O <sub>2</sub>	7.5bar



Same size as a tin of beans

# There Are Two Models Of AIRGON<sub>2</sub>



## A54 - For Larger Commercial Properties

The commercial Airgon A54 is currently manufactured from 316L stainless steel and can be installed directly into pipework ranging from 34mm with an expander to 54mm into the inflow and reducer back to 34mm on the outflow.

The standard commercial installation is into the flow or return of 54mm pipework so that all the system water passes through the Airgon.

A sidestream is used to install Airgon in plant where the main flow pipework is 4in/100mm or larger. To prevent issues with the flow rate occurring by reducing the pipe size to 54mm, a 2" isolated spur enables sufficient water flow to be diverted through the Airgon to allow gases to be removed without affecting pressure and flow rate.

RRP Supply only : £1,950 plus vat

Datasheet	Airgon A54
Material	316 Stainless steel
Dimensions	H: 429 x W: 203
Max dims with fittings	H: 484 x W 278
Total Weight	2.516kg
Max Op Temperature	300°C
Pressure Testing Test conducted with O <sub>2</sub>	18bar



# 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 TÜV SÜD



# 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.

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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**