

# AIRGON<sub>2</sub>

## A54 The Commercial Airgon

Airgon is a British designed and manufactured, vortex deaeration device, that when installed into a wet heating system will continuously remove all of the gases (Free air, dissolved oxygen and entrained gases) from the heating system water. This improves thermal transfer from the radiators by <sup>1.)</sup>15.47% on new systems and up to <sup>2.)</sup>31.0% on aged systems at 60°C and 1.25 bar pressure which are typical operating parameters in a domestic heating system. We see similar if not greater performance in commercial environments as Airgons improvement to the thermal dynamic coefficient in larger systems will result in more energy saving.

Airgon extends system life by around (6.8) 7 years whilst significantly removing the risk of component failure and unplanned maintenance.

Airgon is scientifically tested and acknowledged to improve heating system performance by removing the thermal barrier created by dissolved oxygen and entrained gases, extending the life of the system and significantly reducing the risk of breakdown, saving typically between 15% and 30% on fuel and CO<sub>2</sub> emissions.

1, 2. Report findings by TÜV SÜD, NEL No: 2023\_274, and No: 2023\_304

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 £1950 + VAT and Shipping

Datasheet	Airgon A22	Airgon A54	A54/2
Material	ABS Plastic	316 Stainless steel	ABS Plastic 20% Glass bead
Dimensions	H: 226 x W: 102	H: 429 x W: 203	H: 429 x W: 203
Max dims with fittings	H: 280 x W: 102	H: 484 x W 278	H: 484 x W 278
Total Weight	339g	2.516kg	1.684kg
Max Op Temperature	110°C	300°C	130°C
Pressure Testing Test conducted with O <sub>2</sub>	7.5bar	18bar	10bar