



Airlimiter

Installation & Operating Manual



Prior to installation, please read these installation and operating instructions carefully. The product warranty requires the installation and commissioning of Tower products to be carried out by a qualified installer in compliance with BS 7593:2019 and all local building regulations and accepted codes of practice in force at the time of installation. Failure to follow the correct installation or use of the product for any purpose outside of the manufacturers intended design will invalidate the product warranty.

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1. 25 Year Guarantee

Congratulations on your purchase of the Tower Airlimator. We want you to get the very best performance from it so this handbook includes information on safety, handling and care. Please retain this handbook in case you need to refer to any of this information in the future.

Your Airlimator comes with a market leading 25 year guarantee on the brass body (excludes seals), giving you ultimate piece of mind.

This guarantee specifically excludes losses caused by:

- Misuse or abuse
- Modification or tampering
- Lack of routine maintenance
- Incorrect maintenance
- Accidental damage
- Failure to follow the installation instructions
- Replaceable parts such as seals

2. Important Information

1. Installation should be carried out by a qualified professional.
2. Please check that all components are present. If there are any missing or damaged parts, please contact your supplier immediately.

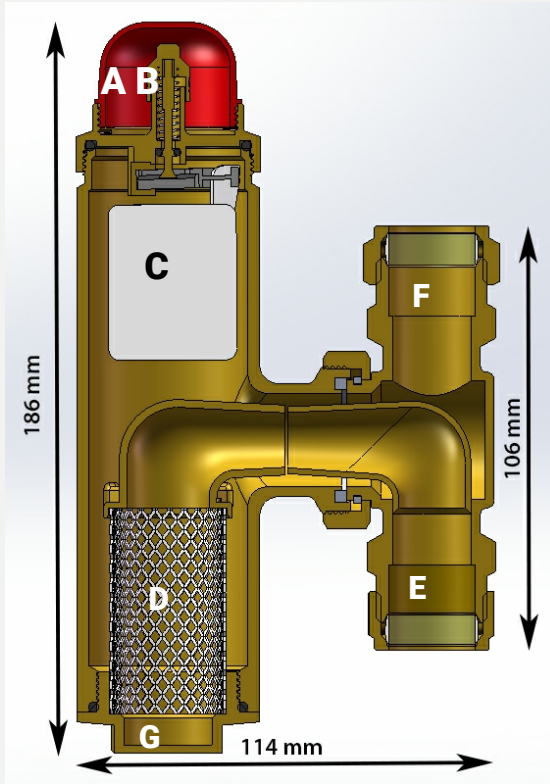


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3. Component Parts



A	Vent Cap	B	Vent Valve	C	Float
D	Stainless Steel Filter	E	Inlet	F	Outlet
G	Base Cap	H		I	
K		L		M	
N		R			



4. Installation Instructions

Only a qualified heating engineer should install this product.

- 1 Locate a suitable section of your boiler's flow pipe for the air-separator to be installed, allowing for access and servicing. The Airlimiter should always be installed on the flow from the boiler. If in doubt contact for further advice.
- 2 Isolate heating system and drain down.
- 3 Mark the pipe, using a suitable pencil or marker pen and cut out the marked section and remove burrs.
- 4 Fit the diverter onto the sections of cut pipe, ensuring the arrow direction on the part follows the heating system flow.
- 5 Tighten the compression nuts to ensure a watertight seal.
- 6 Fit the Airlimiter body to the diverter by hand tightening the retaining ring (Do not over tighten). The Airlimiter body must be installed vertically.
- 7 Refill the heating system ensuring that the correct amount of corrosion inhibitor is added.
- 8 Vent as required by using the Top Air Bleed Valve.

5. Annual Servicing Requirement

To get the best out of your Airlimator, an annual check is recommended.

1. Remove vent cap, and test vent pin until system liquid passes.
2. If the system fluid is clear, and the magnetic system filter (if fitted) is serviced and found to be satisfactory, no further servicing is required.
3. If however the system is heavily soiled, we recommend that it should be drained to allow the Airlimator body to be removed from the system and checked for build-up of sludge/debris.
4. Once drained, unscrew the top section of the body to remove the float assembly and clean, taking care not to damage any components or seals.
5. Open the base cap to remove and check the stainless steel particulate filter.
6. Rinse down both of the removed pieces, ensuring any sludge/debris is disposed of correctly.
7. Check seals for damage and re-assemble
8. Re-attach the body to the diverter and refill the system in compliance with BS7593:2019.
9. Vent the Airlimator once filled to check operation.

WARNING: Please observe the safety instructions provided in this document. This Care and attention should be taken at all times during installation and servicing.



6. Troubleshooting

Problem 1: Water is leaking from the vent cap

Solution: Turn off the system, isolate the Airlimator, and:

- Float arm and pin for debris
- Check all seals.
- Check the isolation valve nuts to ensure they are fully tightened.
- Check the diverter retaining ring is firmly tightened and not cross threaded.

Problem 2: Poor flow through the Airlimator

Solution: Clean the particulate filter when reduced flow is noted.



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