



**vision**LINE™  
PREMIUM FLUE SYSTEMS

# THE RIGHT FLUE SYSTEM FOR YOUR HOME

For over a decade, VisionLINE has been at the forefront of designing and manufacturing premium flue systems for wood and pellet fireplaces in Australia. With deep industry expertise and a strong understanding of the Australian market, we create flue kits that combine sleek design, easy installation, and advanced technology – ensuring safe installation in high-energy-efficient and passive homes.

Choosing the right flue kit for your home depends on your specific needs and the energy efficiency of your space.

VisionLINE offers three types of flue systems: the Standard Flue System (SFS), also known as the default flue; the Insulated Flue System (IFS); and the AFS+ (Air Flue System Plus).

The table below outlines the key differences, making it easy to compare features and benefits. Not all flue systems are created equal – this brochure will guide you in selecting the best option for your new wood-burning fireplace.

	SFS	IFS	AFS+
Powder Coat Black	<b>YES</b> <i>(inside the room)</i>	<b>YES</b>	<b>YES</b>
Twist Lock	<b>NO</b>	<b>YES</b>	<b>YES</b>
90% Wind Noise Reduction	<b>NO</b>	<b>YES</b>	<b>YES</b>
High Wind Cowl Standard	<b>YES</b>	<b>YES</b>	<b>YES</b>
Stand off Ceiling Ring	<b>YES</b>	<b>YES</b>	<b>NO</b>
Flush Flat Ceiling ring with thermo seal rubber	<b>NO</b>	<b>NO</b>	<b>YES</b>
Integrated outside combustion air intake	<b>NO</b>	<b>NO</b>	<b>YES</b>
Insulated System	<b>NO</b>	<b>YES</b>	<b>YES</b>
Air Cooled System	<b>YES</b>	<b>NO</b>	<b>NO</b>
BAL – FZ Approved	<b>NO</b>	<b>YES</b>	<b>YES</b>
Full Stainless Construction	<b>NO</b>	<b>YES</b>	<b>YES</b>
Approved for closed envelope construction (Passive)	<b>NO</b>	<b>NO</b>	<b>YES</b>
Can be boxed in (enclosed)	<b>YES</b>	<b>NO</b>	<b>YES</b>

# STANDARD FLUE SYSTEM



Our Standard Flue System (SFS), also known as the default triple-skin flue, has been a trusted choice in Australian homes for decades. This system uses room air to keep the outer casings cool, ensuring safe passage through combustible ceilings and roofs.

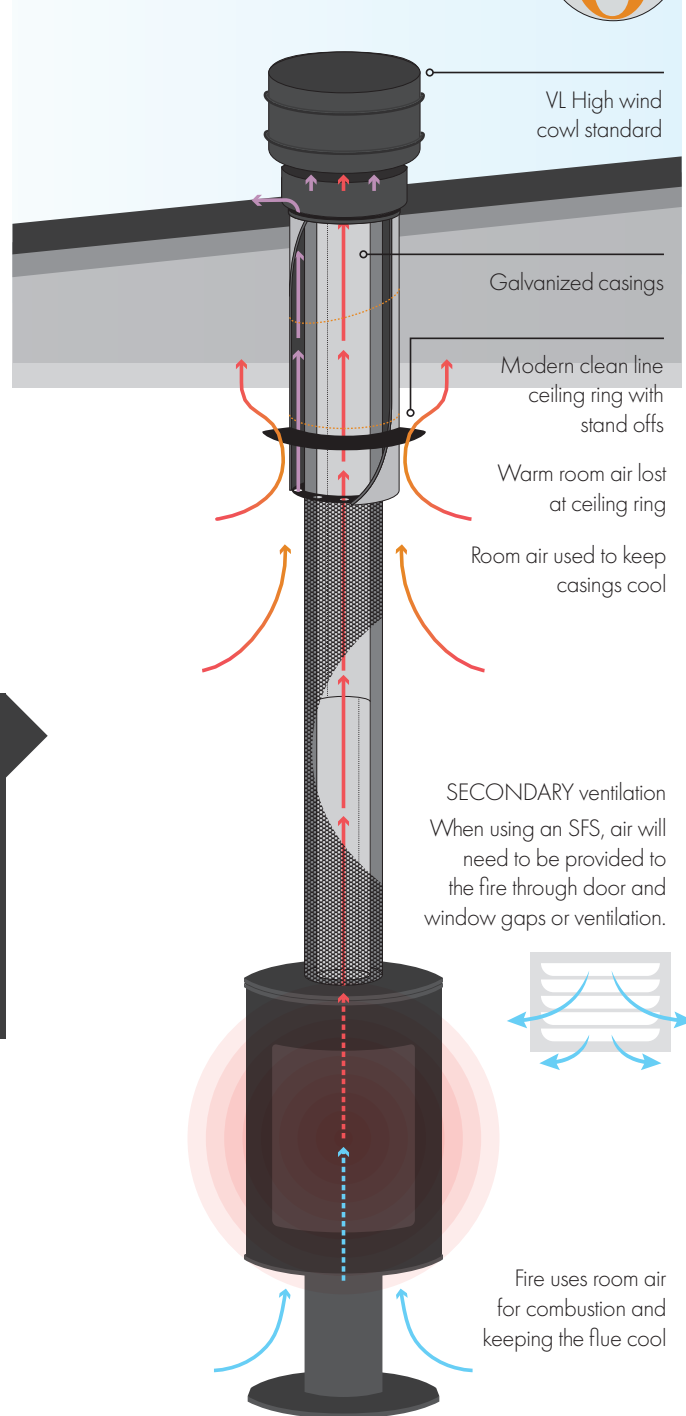
SFS kits come standard with a fully stainless high-wind cowl, a durable black powder-coated finish, and seam-welded stainless sections for a precise round fit and seamless look. Available with either a modern silhouette mesh finish or a solid outer casing, these flue kits are built to the highest quality standards while providing a sleek, stylish finish to your new fireplace.

For a seamless look above the roofline, we also offer a full powder-coated black option from spigot to cap, designed to blend effortlessly with tiled or Colorbond roofs.

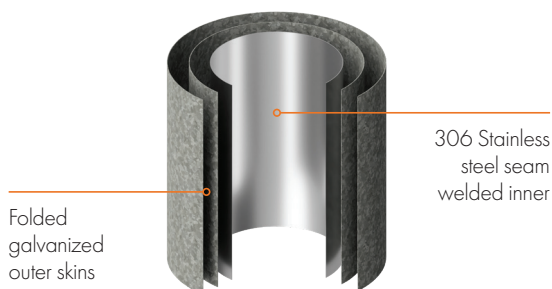
**visionLINE™**

**SFS**

High quality, designed in Australia and simple to install, the VisionLINE default flue melds seamlessly into any home.

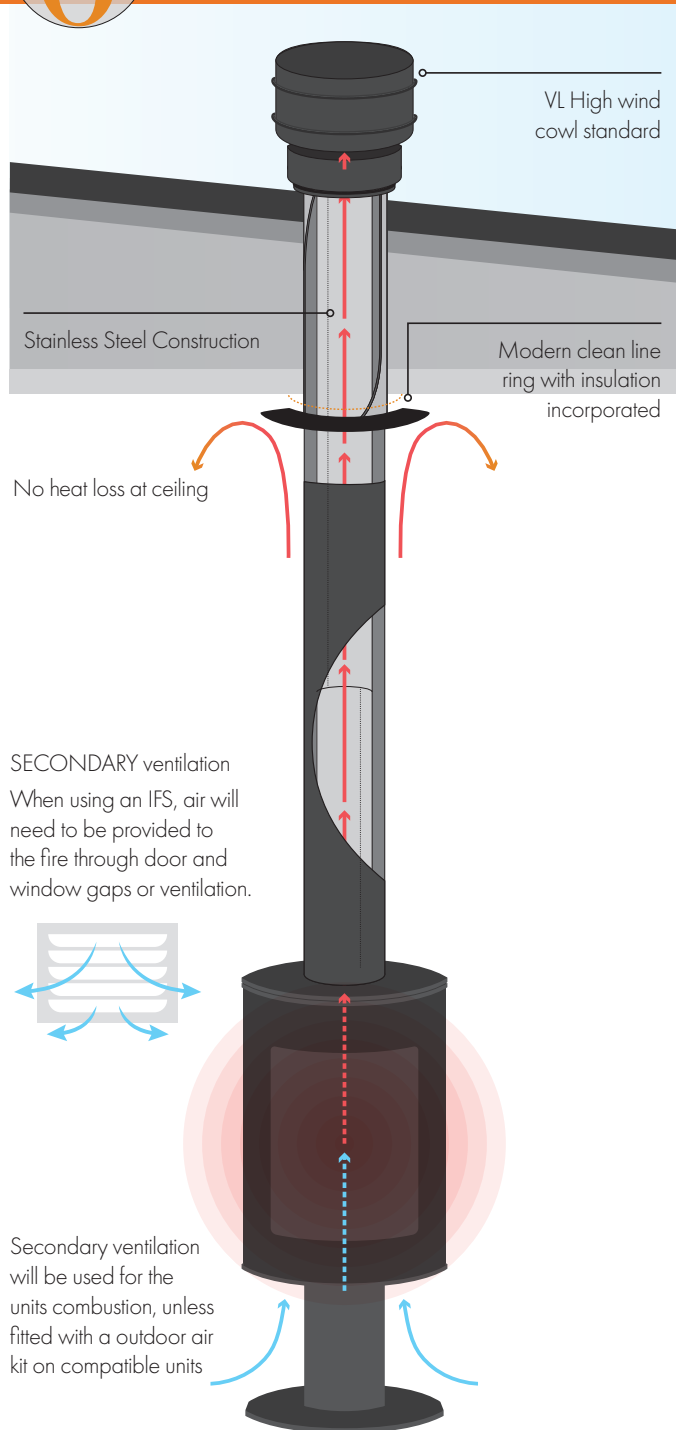


## Triple Skin Flue Cross Section





# IFS – ENHANCED EFFICIENCY



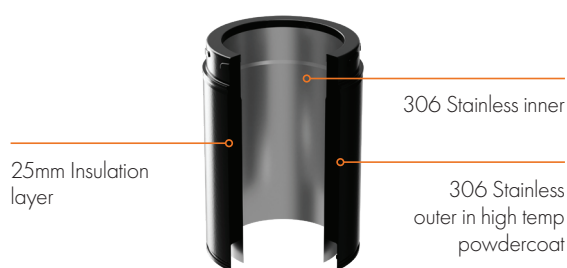
The VisionLINE Insulated Flue System (IFS) replaces traditional air-cooled flue designs with high-quality CE Approved Ceramic insulation, ensuring the outer skin remains cool while safely passing through combustible areas. By eliminating the need for ventilated skins, IFS prevents heat loss and retains valuable room air, enhancing energy efficiency.

Designed for effortless installation, IFS features a unique twist-lock connection – the only joint on the market to achieve EN and CE certification for water ingress protection. This guarantees superior resistance against harsh Australian weather conditions, keeping water out even in extreme environments.

With a consistent pipe size (150mm active, 200mm outer) from the fireplace spigot to the cap, IFS simplifies installation while offering a fully powder-coated, high-temperature black finish. This sleek design provides a clean, modern look both inside your home and above the roofline while also offering enhanced durability against the elements. Constructed entirely from stainless steel, it is ideal for coastal areas with salt-laden air.

IFS significantly reduces wind noise – up to 95% compared to a Standard Flue System (SFS). Unlike traditional flue systems, it eliminates open air connections between the cowl and room, preventing rattling noises often found in older systems. Additionally, IFS is BAL-FZ (Bushfire Attack Level – Flame Zone) approved, the highest possible rating, ensuring maximum protection in bushfire-prone areas.

## Insulated Flue System (IFS)



## EN/CE Approved Twist Lock System



IFS is the only twist lock that uses EN/CE compliant twist lock with higher tooth location to stop water ingress and making pipe stronger at the join

- 50mm clearance
- Room sealed
- BAL-FZ approved
- Insulated twist lock
- 95% wind noise reduction
- High wind cowl

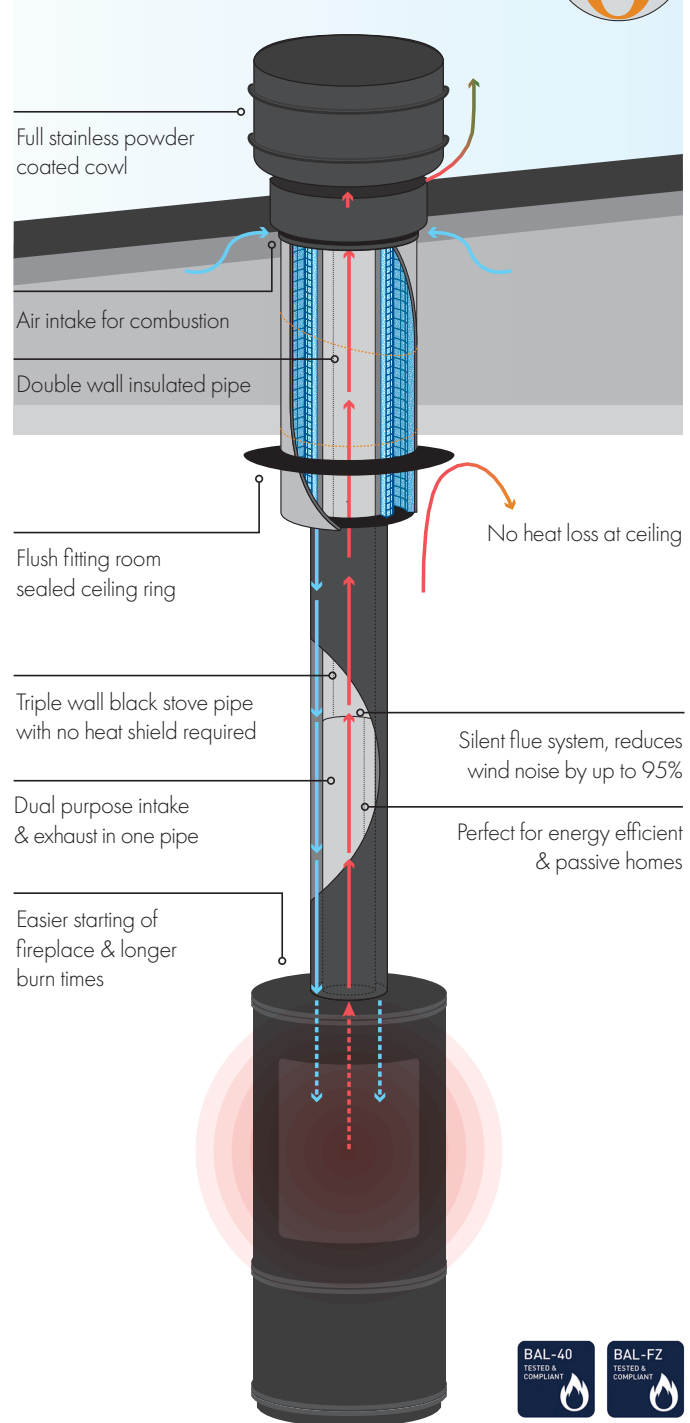
# AFS+ – THE ULTIMATE FLUE SOLUTION



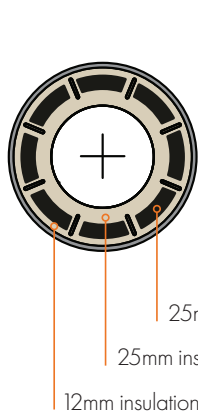
Designed in Norway for Scandinavian construction, the VisionLINE Air Flue System Plus (AFS+) builds on the advantages of our IFS flue, including 95% noise reduction, a full powder-coated finish, durable stainless-steel construction, and BAL-FZ approval. Like the IFS, it prevents heat loss by eliminating the need for room air to cool the flue.

AFS+ is a complete flue system solution with a unique coaxial design that allows it to draw combustion air from outside. The inner 150mm active pipe is wrapped in Morgan Ceramic insulation, while a 25mm air gap between the inner and outer pipes enables fresh air to flow to the unit's outside air intake, creating a balanced flue fireplace.

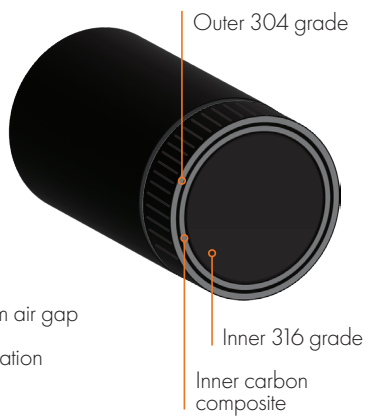
For seamless connection, AFS+ features an adjustable snorkel, or for units with a concentric spigot – such as the VisionLINE Circle, VisionLINE Pera, or Jøtul 171 – the flue simply plugs into the spigot for balanced flue operation.



## Safety Vent AIR



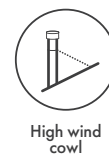
## Stove Pipe



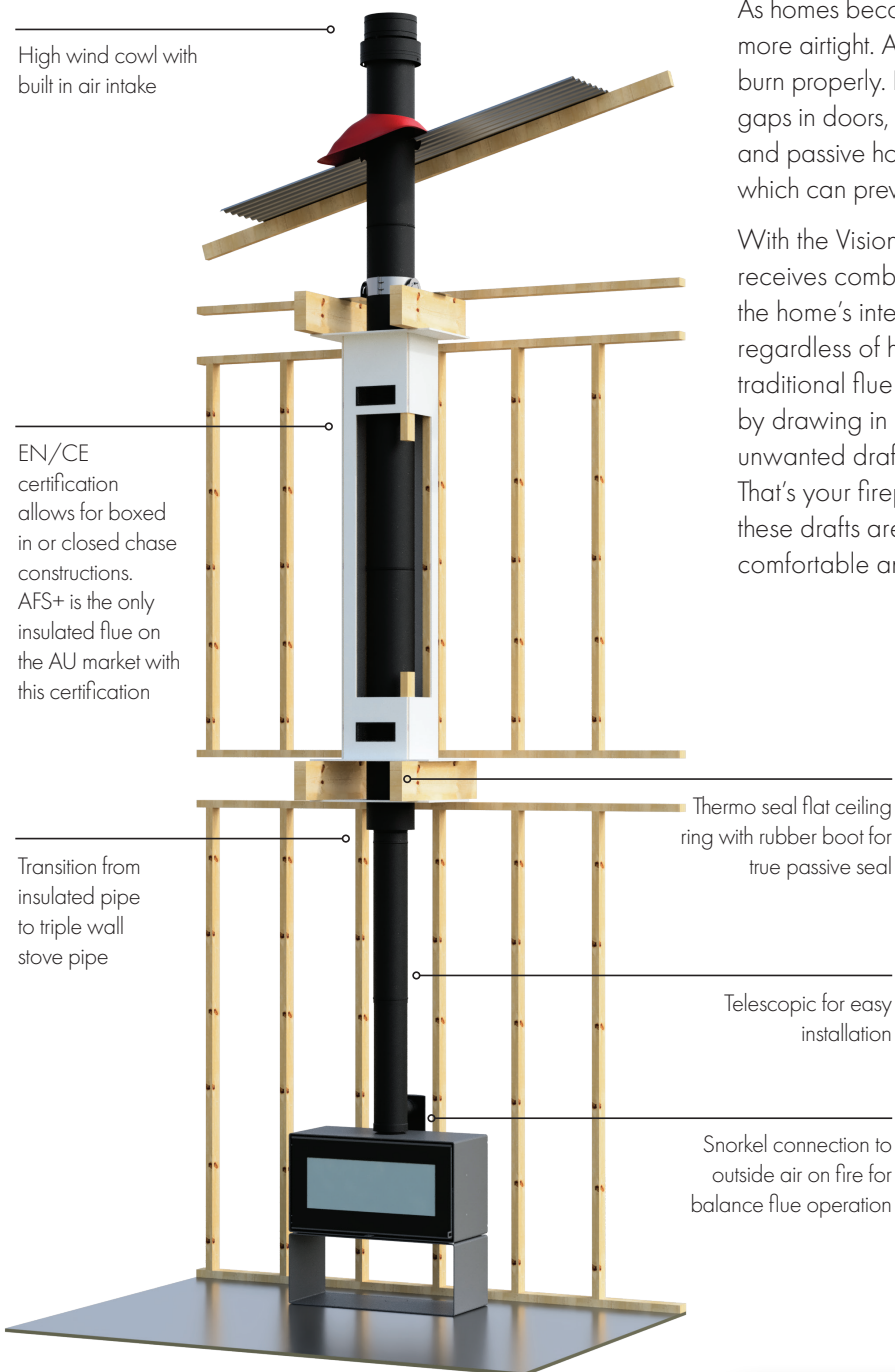
## EN/CE Approved Twist Lock System



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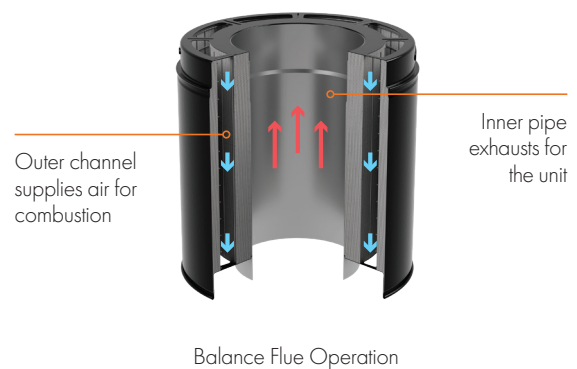
# IMPROVING EFFICIENCY WITH OUTSIDE AIR



As homes become more energy efficient, they also become more airtight. A slow combustion fireplace requires oxygen to burn properly. In older homes, this air is drawn naturally through gaps in doors, floors, or windows. However, energy-efficient and passive homes are designed to eliminate these leaks, which can prevent the fireplace from functioning correctly.

With the VisionLINE Air Flue System Plus (AFS+), the fireplace receives combustion air directly from outside, independent of the home's interior air supply. This ensures proper operation regardless of house pressure and eliminates cold drafts. In a traditional flue setup, air used by the fire must be replaced by drawing in cold air through cracks and gaps, creating unwanted drafts. Ever felt a chill while sitting in front of a fire? That's your fireplace pulling air from the room. With AFS+, these drafts are completely eliminated, providing a more comfortable and efficient heating experience.

## Air Flue System Plus (AFS+)

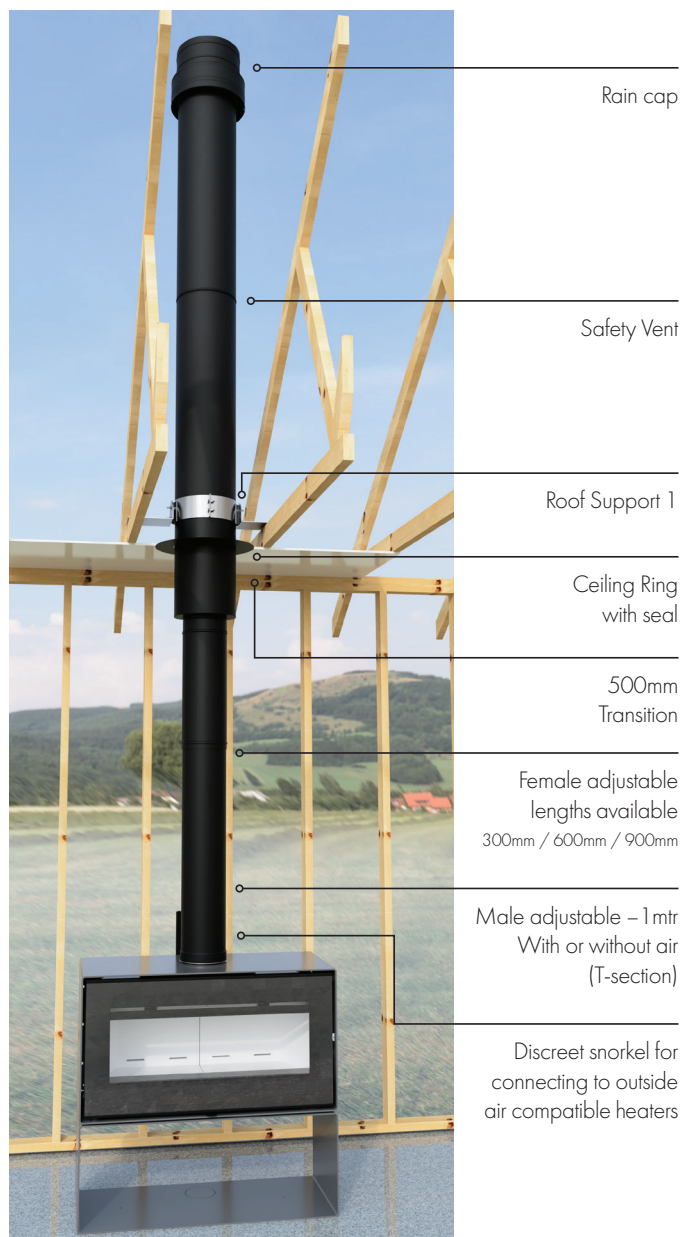
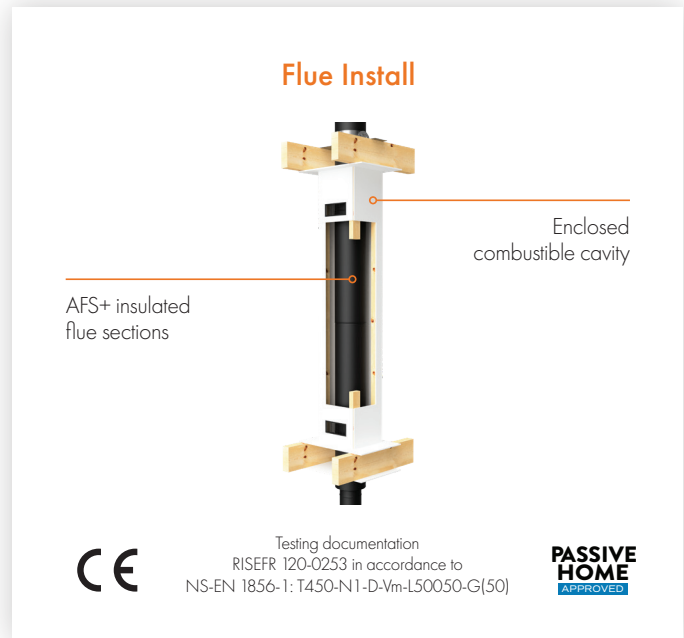


# CERTIFIED FOR MODERN HOME DESIGN

Construction of homes and testing of flue kits is very different between Australia/New Zealand and Europe. In Australia we use what is called an open chase construction, which is an open cavity in walls and through the roof. Testing for flue systems in Australia via AS/NZS 2918 Appendix F simulates this with an open testing rig and high temperature gasses passing through the tested system.

EN testing assesses for closed envelope, or encased flue pipe. When you close off a cavity and box in the flue pipe, heat is trapped within the cavity causing it to pool and build – becoming extremely dangerous. AFS+ system is constructed and designed for this exact style of installation.

Being a Norwegian design, closed envelope is standard construction therefore the EN testing performed on the pipe allows passive home and high energy efficient installations. AFS+ is the only flue system on the Australian and New Zealand market which holds this approval.

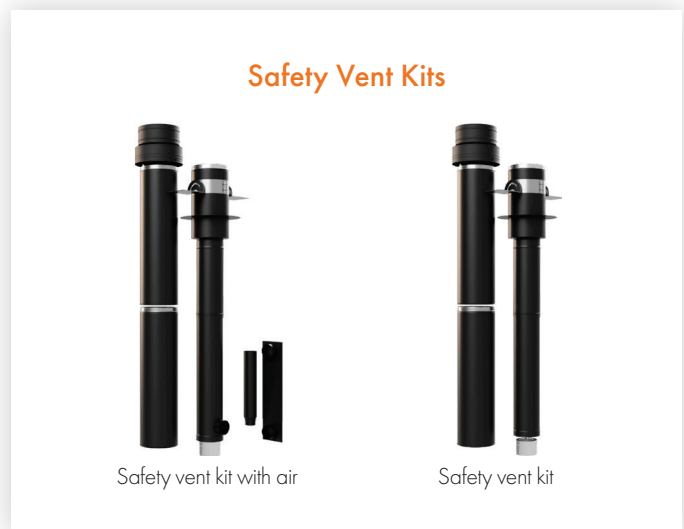


Safety Vent kits comprise of a basic configuration to suit Single Storey applications on most freestanding fireplaces.

Components such as the adjustable female stove pipe are available in three different sizes to suit different height ceilings and ensure the join line is centered between the heater and the transition to Safety Vent. The transition piece must be a minimum 150mm from the ceiling and should be fitted to allow for the adjustable pipe to engage fully into the transition whilst still sealing to the male adjustable pipe.

Safety Vent kits with air include a 1 mtr male adjustable T-section and adjustable snorkel to connect to the outside air intake on the fireplace. Standard Safety Vent kits will be room sealed but will not provide outside air to the unit.

Extra Stove Pipe and Safety Vent lengths are available to extend the flue where necessary as well as 45 degree offsets and support brackets when required. Refer to the installation manual for detailed instructions.



# SECURE INSTALLATION FOR EVERY HOME

## Roof Support



VisionLINE flue systems offer optional adjustable roof supports, designed to make pipe installation above the roof both simple and secure. These robust adjustable arms ensure stability, even in high winds, and meet the requirements for pipes that need to clear obstructions in compliance with AS/NZS 2918.

## Bushfire Attack Level

In certain Australian regions, Bushfire Attack Levels (BAL) assess the risk of bushfire impact. The construction risk varies based on the rating in your area, which may require specific building materials and methods. VisionLINE's AFS+ and IFS flue systems are tested and rated to the highest BAL-FZ standard, in accordance with AS 1530.8.2 and AS 3959. This ensures that you can safely install a wood fireplace in a BAL-FZ zone while remaining fully compliant.



## Testing

All VisionLINE flue systems undergo rigorous testing per Appendix F of AS/NZS 2918, covering the installation of venting pipes through the roof. Both IFS and AFS+ pipes also hold an opinion letter for Appendix B of AS/NZS 2918, which addresses appliance and pipe clearance within the room. Additionally, AFS+ is CE-EN-NO 1856 certified, which tests for tensile and compressive strength, wind load performance, aerodynamic stability under wind tunnel conditions, and gas tightness from unit to termination. This testing includes scenarios in enclosed environments, such as passive home envelopes. It's the only flue system in Australia with this certification.



## Warranty

VisionLINE flue systems are backed by a 10-year warranty against manufacturing defects. The warranty does not cover damage resulting from incorrect installation or misuse beyond product specifications.



## CE-Certified Ceramic Insulation

All VisionLINE insulated flue systems use a CE-certified ceramic insulation blanket. This ceramic fibre insulation delivers optimal performance for clearance and structural integrity, ensuring quality and safety. The blanket is tested to CE standards and can withstand temperatures above 1,750°C and 123 kg/m<sup>3</sup> pressure, as per EN testing requirements. This allows for the minimum possible clearance with a 25mm insulated flue pipe.

## Powder-Coated Finish

All VisionLINE flue systems feature a strong and durable powder-coated finish. Powder coating not only adds a stylish touch to your flue system but also provides a protective layer for the outer flue, making it ideal for areas exposed to harsh environmental conditions, including seaside locations. Additionally, powder coating enables the outdoor installation of a black-finished pipe, unlike high-temperature wet paint, which is not designed for exterior use.

