

Flue Specification Guide

FIRE BY **esced.**

SPECIFICATIONS

Flue System	Powered direct-vent, co-linear flue
Flue Termination Locations	Roof or wall mounted terminations
Minimum Flue Length	400mm
Max. Uninsulated Flexible Flue Length	8m
Max. Insulated Flexible Flue Length	Varies from 20m-24m
Max. Flue Length	40m
Max. Vertical run below the Fireplace	1.5m
Flue Pipe Sizes	100 and 75mm Ø (ID) flue pipes
Flue Clearance to Combustibles	50mm for first 1.2m of flue length
Flue Bends Allowed	Max. 10 bends in any flue run
Flue Insulation R-Value	R 1.45
Flue Insulation Service Temp.	Up to 230° C
Powerflue Fan Electrical Supply	Supplied from Fireplace

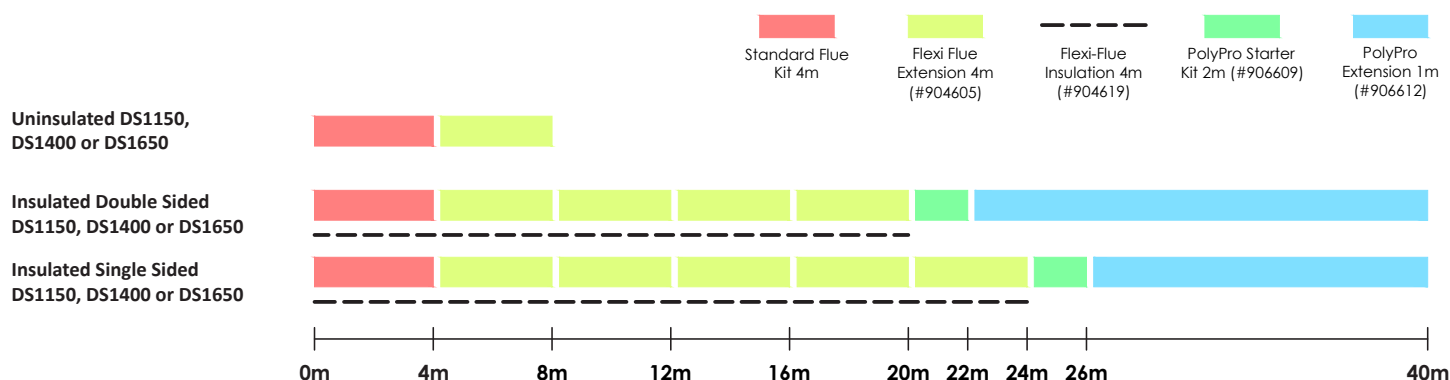
TECHNICAL INFORMATION

- Escea Gas Fireplaces must use a Powered Direct Vent flue system, comprising a flue terminal, co-linear flexible flue pipes, and flue extensions as needed
- Flue pathways can be vertical, horizontal, or mixed, extending up to 40m.
- Flue placement must comply with AS/NZS 5601.1 and DS Series clearances.
- The flue fan must remain accessible for servicing.
- PolyPro Flue extensions require a condensate trap draining to the sewer.

FLUE SELECTION STEPS

1. **Flue Terminal** - Choose the flue terminal location, on the wall or roof. This dictates the standard flue kit used.
2. **Flue Pathway** - Establish a pathway from the fireplace to the flue terminal, calculating all vertical and horizontal runs.
3. **Flue Components** - Establish the method and components required to complete the flue system using the table below.

FLUE SELECTION TABLE



STANDARD FLUE KIT OPTIONS AND PATHWAYS

Horizontal Powerflue (#906641)

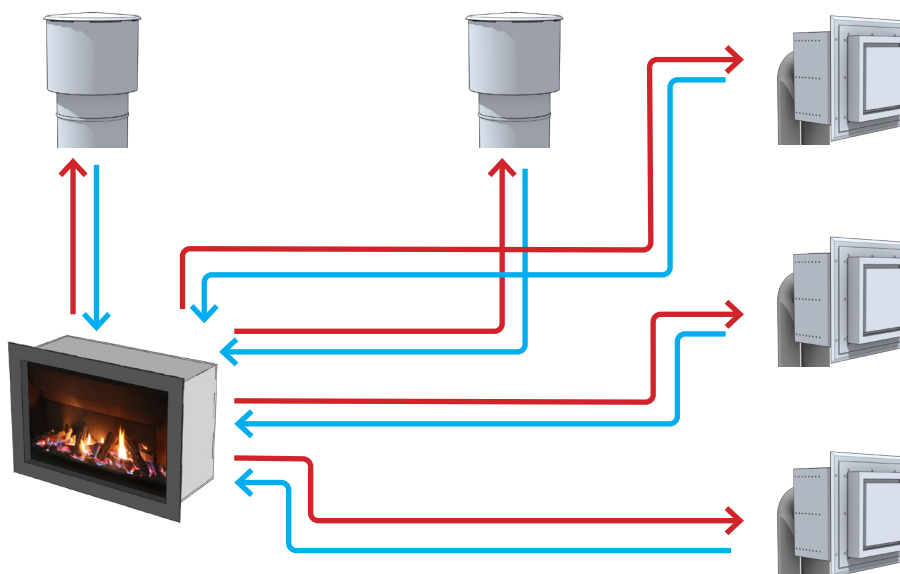
For flue terminations through an external wall.
Minimum wall cavity opening requirements:
With wall fixing brackets: **350mm W x 300mm H**
Without wall fixing brackets: **296mm W x 296mm H**

External Vertical Powerflue (#906617)

Used in situations where there is no roof space, or where servicing the flue fan is best undertaken from the roof or chimney top (preferred method).
Min. flue height above roof surface: **500mm**
Liner roof penetration: **225mm Ø**

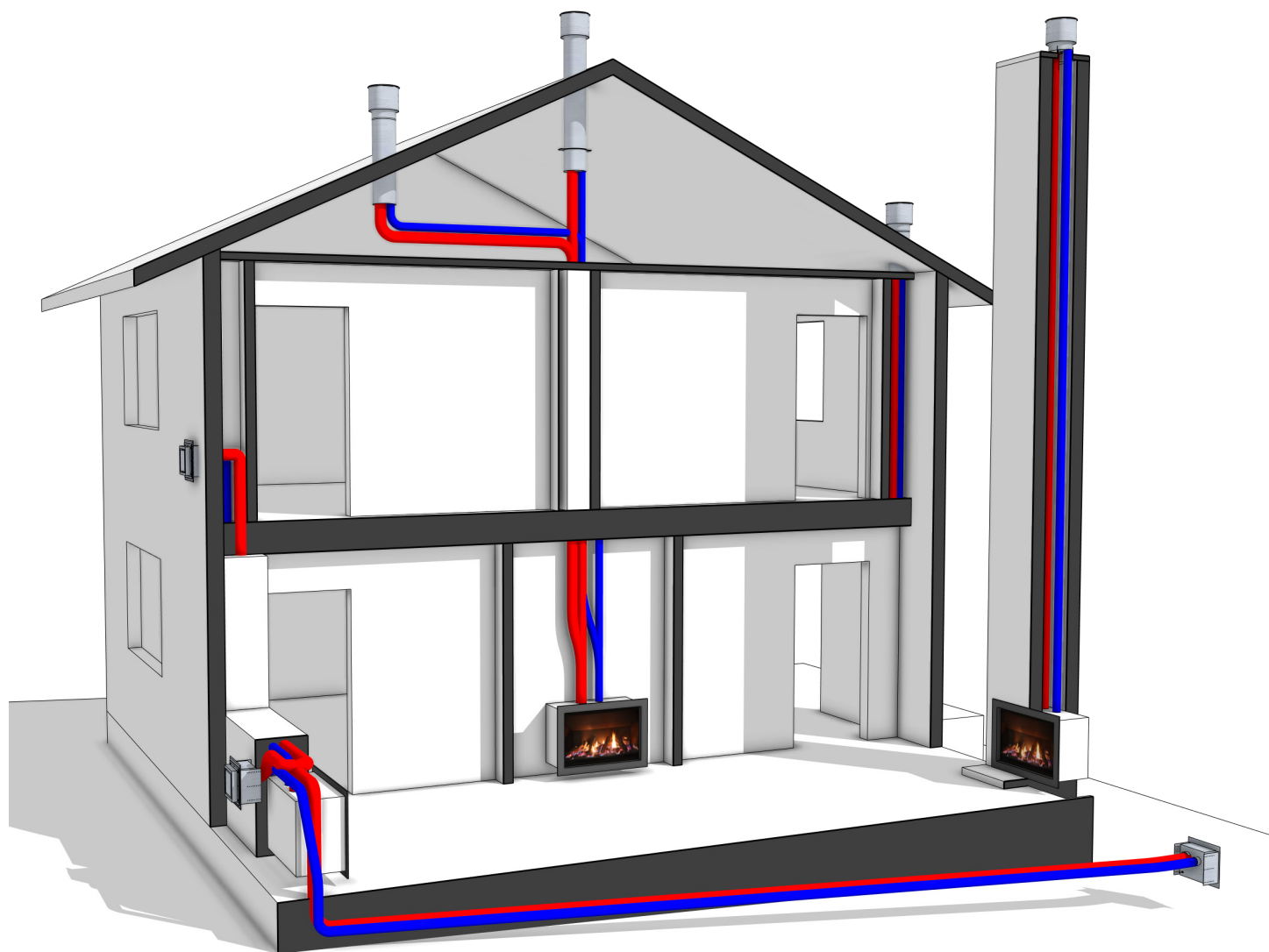
Internal Vertical Powerflue (#906618)

Suitable for installations where the flue fan must be located in a roof space, or in exposed coastal locations.
Min. flue height above roof surface: **500mm**
Liner roof penetration: **225mm Ø**.



EXAMPLE BUILDING

Multiple flue pathways are possible using the Escea Powered Direct Vent Flue System. The installation and final location of the flue terminal must comply with the relevant Escea Installation Instructions and *AS/NZS5601 Gas Installations*. These provide guidance for clearances from the flue terminal to other elements of the building. Non-compliance to these clearances may decrease performance of the fire or flue, and/or pose a safety risk to the building users.



For Installation methods not covered in this document please contact:
Email: aa@escea.com PH (NZ): 0800 17 3000 PH (AU): 1800 460 832

Install Manual and CAD files are available via the QR Code or link:
www.escea.com/technical

Disclaimer:
Dimensions provided may not consider all site-specific variations or installation needs. Verify dimensions on-site before manufacturing or construction.