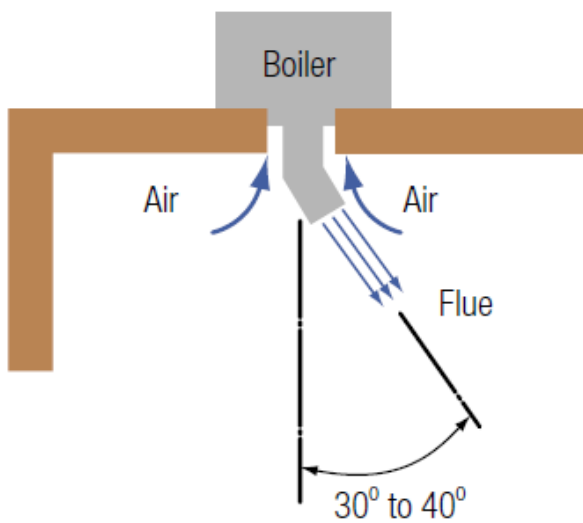


Vitodens 050-W/1xx-W/2xx-W; Improved flue clearances with the new plume diverter

This is to clarify some use cases for the plume diverter (7946888) which was introduced in 2022.

Plume diverter terminal

A wall terminal that directs all the flue products at an angle. The terminal will usually direct the products at an angle greater than 30°. It is particularly useful where a terminal needs to be sited in an internal corner. A plume diverter terminal can usually be sited closer to the corner than a standard wall terminal.



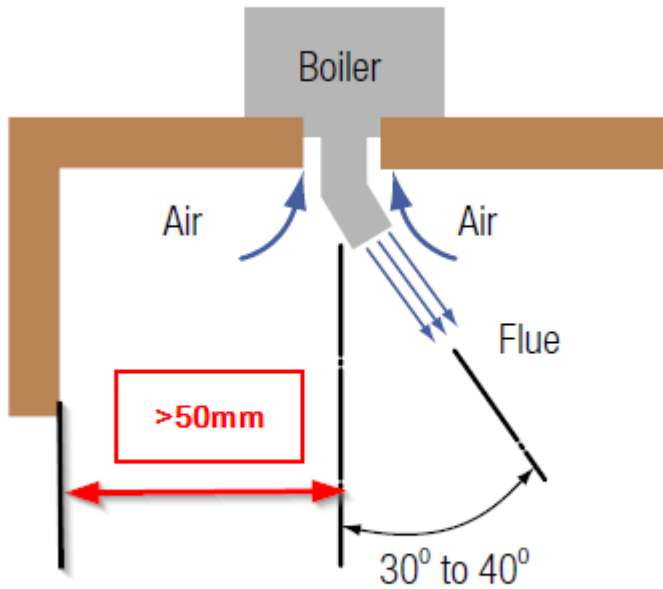
Plan view

The plume diverter becomes useful in two particular situations:

- a) Flue terminal is too close to opposite boundaries
- b) Flue terminal is too close to internal or external corners

Distances to internal/external corners

By using the plume diverter the distance can be reduced from 300mm to 50mm. Note: ensure no vents or opening windows are not close by. If so, the standard distance applies.

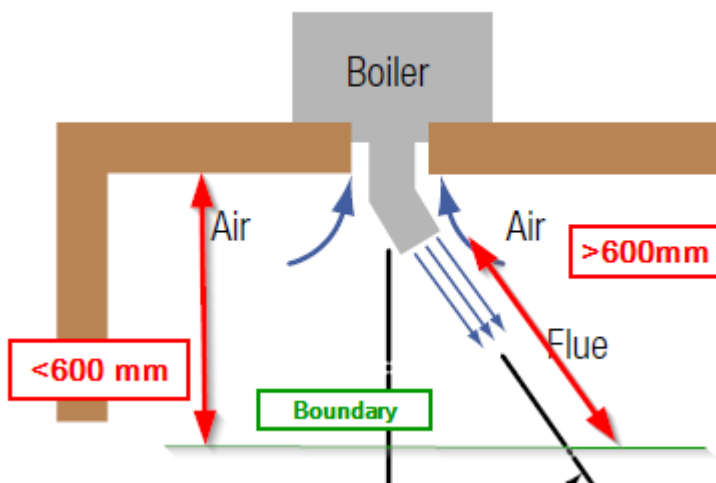


Plan view

Distance to opposite boundaries like walls or fences

With the plume diverter the distance to opposite walls can be reduced below 600mm as long as the new trajectory to the boundary is at least 600mm.

If a fence is in front of the terminal the plume diverter can be rotated upwards so the plume is directed above the fence.



Note:

- The plume diverter shall not be used when windows or vents are below the minimum distance to the terminal.
- Boundaries are defined in Part J of the Building regulation. Smaller separations to the boundary may be acceptable for appliances that have been shown to operate safely.

End

10/01/2023