



Installation of Flue Pipes and Fittings

Recommended tools and fittings:

- Basic tool kit – screwdrivers, pliers, tape measure etc.
- Hammer and cold chisel (only for masonry walls)
- Drill with steel and masonry bits
- Angle Grinder with stainless steel and masonry blades
- Jig saw
- Spirit level
- Plumb bob or weight with pointed tip fixed to a line
- Fixing bolts, screws and wall plugs
- High temperature silicone sealant
- Acrylic sealant
- Ladders for internal and external use
- Relevant PPE as per H&S requirements (e.g. safety goggles, gloves, etc)

Single Storey - External Flue

D150 INTERNAL TO EXTERNAL FLUE KIT



D150 INTERNAL TO EXTERNAL FLUE KIT



1. D150 1000mm single skin pipe
2. D150 500mm double skin pipe
3. D150 90 degree single skin bend
4. D150 single skin pipe cover plate
5. D150 single skin T-piece
6. D150 single skin T-piece inspection cap
7. D150 single(f) to double(m) converter
8. D150 1000mm double skin pipe
9. D150 double skin wall bracket
10. D150 single skin clamp
11. D150 double skin clamp
12. D150 double skin drum-hat cowl
13. Floor protection plate*
14. Roof seal (waterproofing)*

*Items 13 & 14 sold separately

Single Storey - External Flue Pipe

Step 1 - Position the fireplace:

- Place the fireplace on a suitable level and non-flammable surface in your chosen position
- In the case of heat sensitive flooring (e.g., wood/laminates) floor protection such as a steel floorplate must be installed between the fireplace and the floor before positioning the fireplace
 - *floorplates are sold separately - see the Econofire website*
- Apply the minimum safety distances as per the instruction manual supplied with your fireplace

Step 2 - Mark the flue position on the outlet wall:

- Fit 1.5m single skin pipe to the outlet including the 90° bend - face the bend outlet side to the chosen outlet wall
- Using the level, make a mark on the wall that aligns with the top centre of the 90° bend
- Using the level, draw a vertical line on the wall down from the mark at least the length of the flue pipe diameter
- Measure down from the top mark, half of the flue pipe diameter to find the centre of the flue outlet
- Make a circle around the centre mark with a 50mm larger diameter than the pipe. E.g., if the diameter of the flue measures 200mm, the hole in the wall will measure 250mm.
- Remove the flue used to make the measurements, cover and protect the fireplace before step 3 (OR remove the fireplace completely if space allows)

Step 3 - Make a hole through the wall

- Drill a hole through the wall on the centre mark in order to mark the outside area with a circle the same diameter as the internal circle
- Break through the wall from each side using the hammer and chisel

Step 4 - Install the flue pipe and fittings:

- Joint clamps are included to close and secure each joint, make sure they are fitted at each joint of the flue pipe installation before using the fireplace
- Re-position the fireplace after completion of the hole through the wall and fit the pipe with 90° bend
- Drill holes 4-6mm on the cover plate corners for fixing to the walls if you are not going to glue only
- Place the inside cover plate over the 1m single skin pipe before sliding the pipe through the wall as this cannot be fitted afterwards
- Mark the top centre line of the pipe and draw a vertical line on the wall to measure for the fixation points of the wall brackets
- Fit the first bracket approximately 300mm above the top of the pipe in the wall
- Fit the second bracket approximately 1.5m above the first bracket
- Set the wall bracket arms to achieve the desired pipe distance from the wall
- Place the outside cover plate over the pipe through the wall as this cannot be fitted afterwards
- Fit the single-to-double converter to the male end of the T-piece (which must be facing upwards)
- Fit the female branch of the T-piece onto the end of the horizontal pipe which can be trimmed to line up the t-piece and single to double converter with the wall bracket
- Additional pipe can be fitted to increase the flue pipe distance away from the wall
 - *Flue pipe sold separately - see the Econofire website*

Step 4 - Install the flue pipe and fittings (cont.):

- Fit the first meter of insulated flue pipe to the single-to-double converter and to the wall bracket.
- For a tiled roof, remove the required tiles directly above the flue pipe
- For a metal roof, cut a hole in the roof sheet directly above the flue pipe measuring 100mm larger than the outside diameter of the insulated flue
- Use an angle grinder or tin snips to cut a metal roof
- Fit the balance of the double skin pipes to terminate above the roof and fix to the wall bracket
- For a tiled roof, you can now replace the roof tiles and dress the tiles around the flue pipe using an angle grinder with a masonry blade
- Fit or apply the water-proofing to the roof covering and around the flue pipe to ensure a water-tight seal
 - *recommended rubber boot seals are supplied separately - see the Econofire website*
- Fit the cowl to the top of the double-skin pipe to complete the flue pipe
- Ceramic blanket (not included in kit) or other suitable insulation material can be used to caulk the pipe through the wall between the 2 cover plates
- Screw or screw and glue the cover plates to the wall using high temperature silicone or good quality acrylic sealant

Step 7 - Final completion with a first fire:

- Carefully check that all flues are properly aligned and joined together with the fixing clamps
- Consult the fireplace manual again for a final check on all safety distances and that no flammable materials are in close proximity to the fireplace
- Check the flue pipe is clear of obstructions – all foreign materials such as rags have been removed
- Clean the flue pipe and fittings with a suitable stainless-steel cleaner and soft cloth
- Refer to fireplace manual for user instructions and to follow the instructions on lighting of the first fire