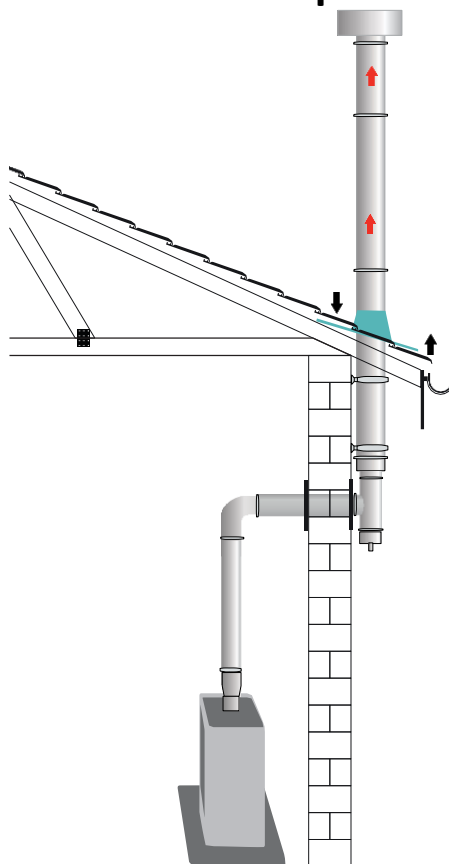


Single Storey Internal to External D130 Flue Kit

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)

Econofire flue pipes & fittings may not be compatible with similar flue pipes & fittings from other suppliers.

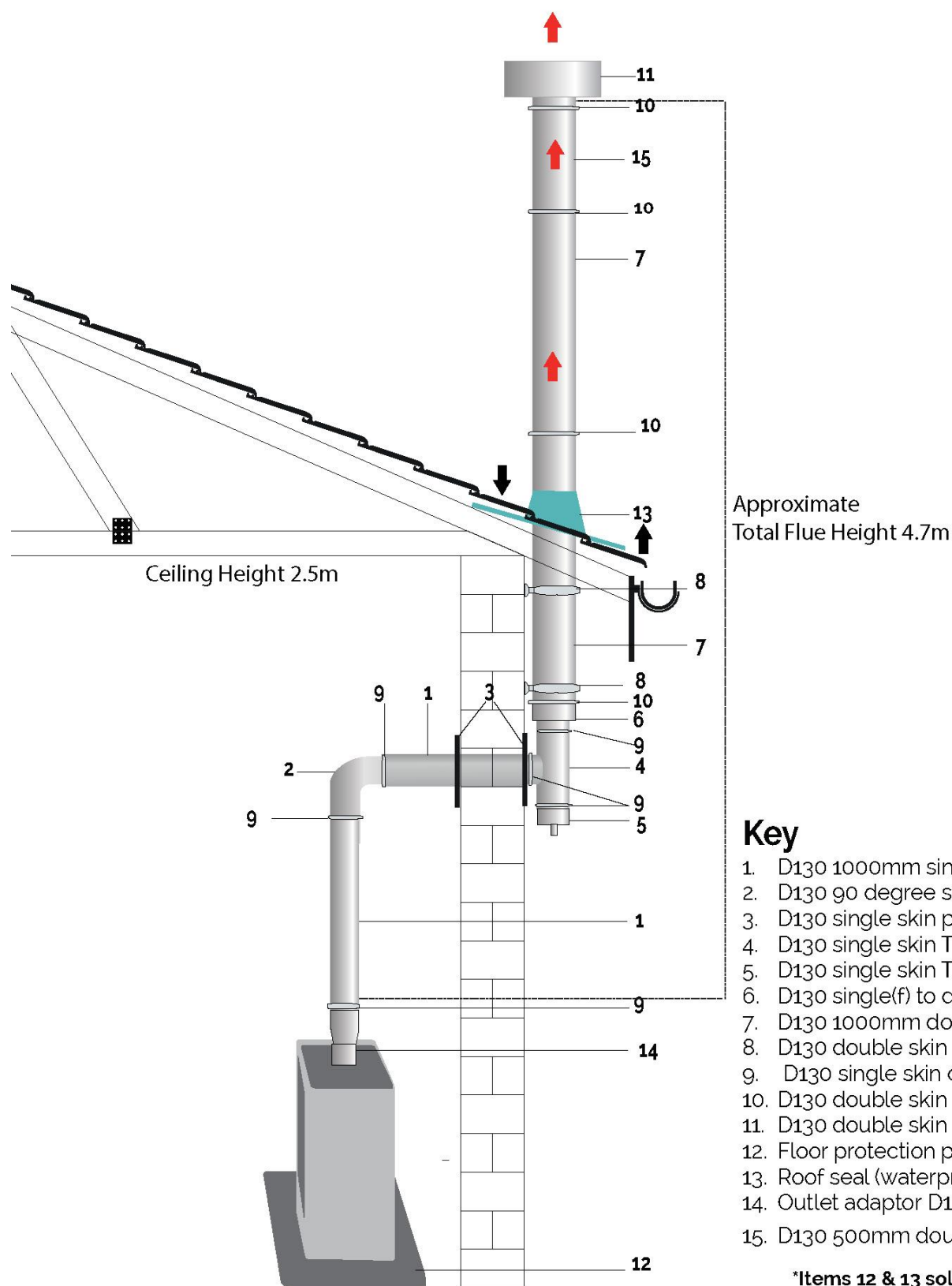
Single Storey - External Flue

D130 INTERNAL TO EXTERNAL FLUE KIT



SINGLE STOREY

D130 INTERNAL TO EXTERNAL FLUE KIT



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