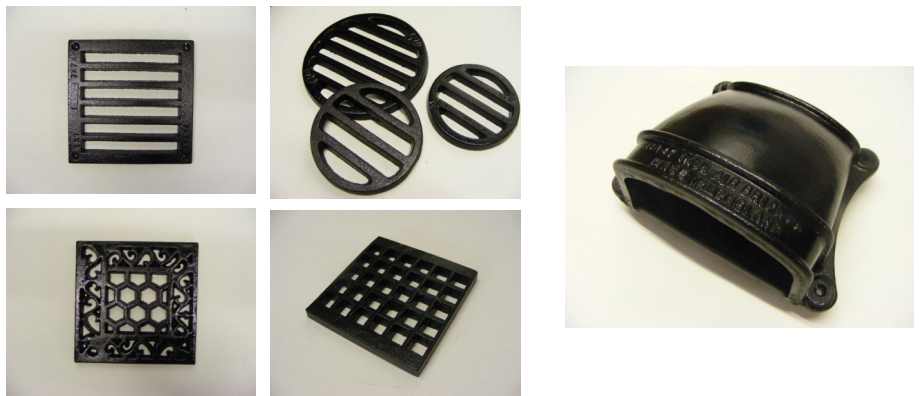


Grille Installations



Our cast iron grilles are flat plates and once drilled are perfect to conceal core drill holes for extractor vents of 4" (100mm), 5" (125mm) and 6" (150mm) diameter. The core drills required for the corresponding vent pipes will need to be slightly larger than the pipe at 107mm, 127mm and 152mm diameter respectively.



When selecting the correct size plate to cover the hole remember it is also possible to use the conservation cowl vent grille, shown above for a 4" (100mm) pipe or a 9"x 6" (225mm x 150mm) air brick. If using the conservation vent grille it is a simple matter to connect the 4" (100mm) pipe (or 5" 125mm) with a 4-5" (100mm-125mm reducer) to the back. If installing an air brick, the wall will need chasing out (rebating) to fit the rectangle of the air brick, once installed, the air brick will be flush with the wall surface.

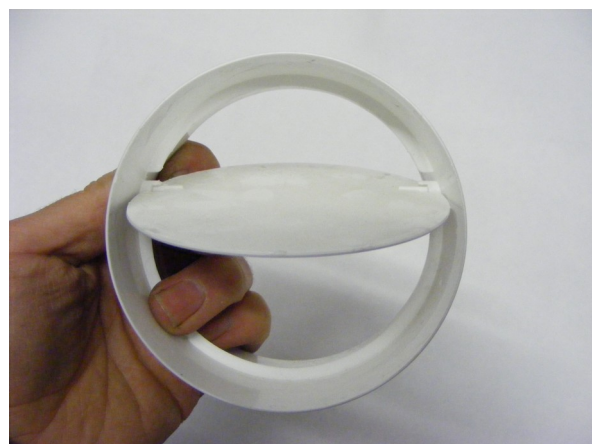
Chasing out or rebating the wall is an option when fitting flat plate grilles and if done correctly will leave a neat finish with the grille flush with the wall rather than protruding. The square holes cut will need to be exact to get a neat finish in brickwork although there is room for manoeuvre with a masonry wall, if it is to be painted afterwards. It is possible to rebate using, say a 5" or 6" core drill and then finish off with a 4" or 5" bore and then fit a round grille into the round rebate. (Bore using the larger diameter drill for the rebate first to a depth of 1/2" (12mm) or so and then continue to bore the core hole using the smaller drill.



It is recommended to secure flat grilles to the wall using screws rather than cementing in place even if the grilles are fitted into rebates to ensure they do not fall out, especially if they are above head height.

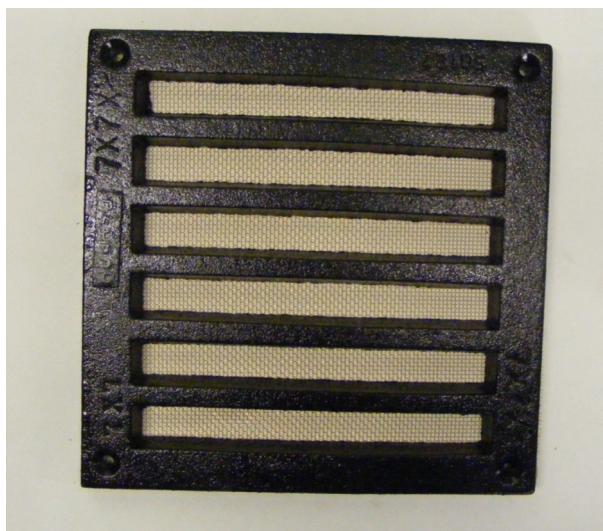
NOTES

- It is essential to match the correct size grille with the core drill hole or ventilation ducting used and we have a fact sheet especially for this which can be downloaded from our website.
- Remember when ordering your grille to order a grille that is drilled if securing holes are required or fly screen is going to be fitted behind the grille
- Generally for a 6" square grille, four x No. 8 screws with corresponding plastic plugs are required to attach to the wall, the length of the screws determined by the quality of the brick work or masonry. If fitting along a public pathway it may be worth fitting security screws, especially if the grille is a high price item such as the CON4 Conservation Grille
- Back draughts or rodent ingress can be reduced by fitting a baffle tube (below—available in 5" or 6" (125mm or 150mm) diameters). These may be used in conjunction with a 4" (100mm) ducting or flexible hose by fitting a 4-5 reducer.

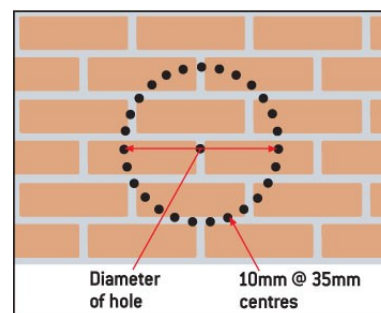


- Flap valves (above) are ideal to prevent wind blowing back through the ducting and preventing insect ingress but they only allow forced air to flow in one direction and are therefore only suitable to be used on extractor/tumble dryer outlets where the air is pumped out. They cannot be fitted in ducting used for background ventilation or fresh air inlets.
- Connecting up ducting to the back of grilles is only possible with the 4" conservation vent Grille (CON4) which has a spigot at the back. All the other grilles are flat plates with no spigot on the back. When installing it is advisable to bring the ducting close to the edge of the core drilled hole and secure it in place in necessary in the bore of the hole with a small wedge of masonry/wood or sealant.

- Fly mesh is suitable and is available for most grilles except round grilles. To fit, just trap the mesh behind the grille and secure in place. Mesh is supplied for most grilles with holes cut for the securing screws or corners cut away depending on how close the securing screws are to the corners of the grille—every grille is different. As the mesh is square, cutting to fit a round grille is extremely untidy and not recommended.



- Core drills are expensive and cheap ones don't last long. It is possible to "stitch" drill using smaller diameter drills as an alternative. Be aware if using this method that the finish is "unreliable" and the money saved in not using the correct tool may end up costing more in time and frustration!



- Finishing off— From the outside, your grille is going to look fantastic, it's made of cast iron and will suit any wall and compliment any property be it modern or period. Of course, if it is used as a terminal for a white plastic ducting, it might not look so good if the ducting can be seen through the grille. This will be impossible with the Conservation Vent Grille as it is cowled, but for the flat plate grilles it is likely the ducting can be seen through the grille. To get around this problem it should be quite simple to darken the inside of the ducting with a very light spray of black or dark grey paint. A plastic primer suitable for car plastic body work would be ideal. It may also improve the look if any part of the wall on show through the vent grille is also darkened. It is best to mask off the area and paint the wall prior to fitting the grille to prevent paint runs on the brickwork.

Products Available from ...
The Cast Iron Air Brick Company
 01598 711999
www.castironairbricks.co.uk