



CAST IRON AIR BRICK COMPANY

Building Architectural Enhancements

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Specification Sheet – ciabSTOVE4-2018

www.castironairbricks.co.uk

100mm Stove and Log Burner Vent

ITEM No... STOVE4



Cast iron stove and log burner vents are made from grey iron, cast in sand moulds bonded with resin to a fine cast finish and are available in one size with different options for the front plate.

Problem Solver

Getting combustion air into a room for solid fuel burners, log burners, cast iron stoves and ovens requires a vent to be placed in the room. Quite often the vent requires either a hole cut into the wall or, if the floors are suspended, cut into the wooden flooring to allow the air in.

Clients have often spent considerable sums of money on the heating appliance, and, no matter what grilles are supplied, the vents are regarded as an irritating necessity. It's a real let down for installers, interior designers and architects who have painstakingly transformed a room, to then make a hole in the wall or floor to comply with the regulations from HETAS or GasSafe.

The STOVE4 is a cast iron vent that compliments combustion appliances no matter how expensive it is or how "Wow" it is. Our vent is equal on terms with the appliance, just as much a talking point as the stove itself and as eye catching too.

There is no need to hide this vent so it can be installed either with the appliance or, still on show, in a more convenient place to bring the air under the floor into the room.

Construction

The Stove vent is made from fine cast grey iron. It has threaded screw holes into which an aluminium or brass front plate is attached with either stainless steel or brass screws.

Finish

The cast iron body of the vent is painted in high temperature fire resistant paint and hand polished to create a "pewter" effect finish. We can supply them in this finish or bare metal for clients and contractors to paint on site or allow to rust.

Environmental Benefits and Longevity

All the cast iron air bricks we commission are UK made and this product is made in Oxford, England.

Cast iron is not affected by UV and is fire resistant and fully recyclable. The cast iron used in the manufacture of this product is sourced from scrap iron with the addition of a small amount of pig iron. On average, 95% of the casting is recycled material. The moulds used to create the castings are generated using sand that is packed in a box with one of our patterns and this sand is used again and again to create further castings.

Casting in the UK has ensured all our products are made to strict emission and pollution levels in accordance with the latest legislation and that the workers creating these products are fairly paid and have a safe working environment in which to earn a living.

Melting iron requires a substantial amount of energy from either gas or electricity and to offset the CO2 emissions from this process we have planted over 300 trees in our own 3 acre wood. The annual absorption of CO2 from our wood is enough to ensure the production of our castings is carbon neutral.

As we don't import any of our products, the mileage from foundry to our finishing workshop and distribution bay in North Devon is very low keeping our carbon footprint small and once installed we expect this air brick to last a life time.



Notes for architects

The pewter finish stove vent will certainly enhance any interiors but is not only aesthetically pleasing, it is also functional as well. When the 100mm spigot is connected to an air source it provides 3000mm² of free area for combustion air for a room fitted with a log burner or stove up to 10KW. For larger burners up to 15KW simply use 2 Stove vents for 6000mm² of free area.

The air source can be achieved simply in rooms with suspended wooden floors by drilling into the floor to allow the air in through the spigot. In solid floors, a pipe and fittings will need to be fitted to duct the air in from outside.

The bare metal option gives clients the option to “rust” up the cast iron body by soaking it in water and create an “industrial” look or to lacquer the body to maintain the “fine cast foundry” finish. It also allows customers to paint the body to their own designs but please note if paint or lacquer is used it is essential to ensure it is heat proof if the stove vent is to be situated close or adjacent to the fire.

The front plate is available with a choice of material either in brushed aluminium or polished brass.

Please note...

Another version of this vent can be seen elsewhere on the website (item CELL4 cellar vent) with the option of having copper mesh or a brass flap. This version with flap or mesh is unsuitable for use as a stove vent as it may not meet with HETAS requirements. Customers tempted to install mesh with the Stove4 vent should first consult with HETAS or Gas safe qualified plumber to confirm if this meets the requirements.

We can supply bare metal in the dark grey cast iron finish or, if preferred we can wet them, then dry them in our workshop and send them out rusty. If this is preferred (instead of rusting them on site) please let us know when ordering and add a couple of days for delivery. There is no extra charge for supplying rusted version but please note we cannot accept returns on them.

Sizes of the front plate are...

128mm width x 100mm high at highest point (90mm high at the ends)

Screw holes are 115mm apart and are 45mm high from bottom

Slots are 8.5mm wide x 60mm long (6 in number)

Sizes of the spigot are...

55mm long

External diameter 103mm

Internal diameter 93mm

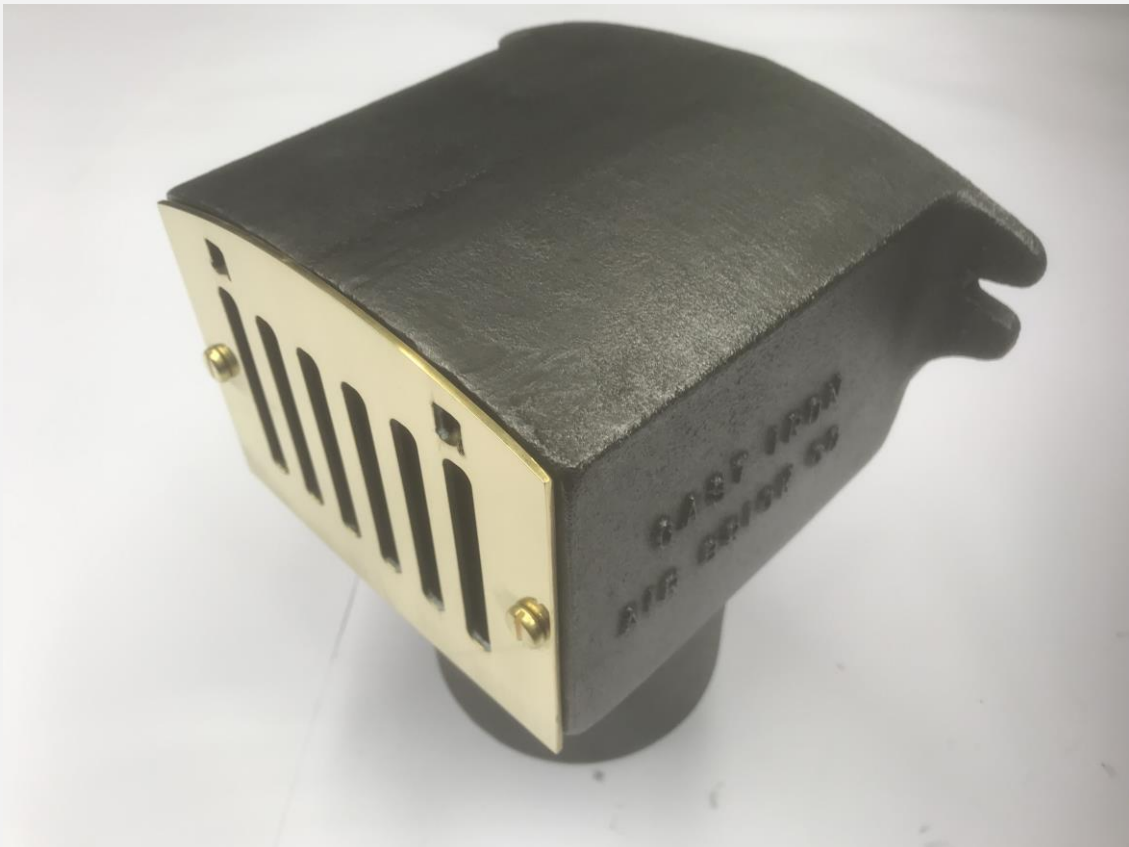
SPECIFICATION TABLE – 100mm STOVE VENT

Item Code	Nom. Size (Inch) Spigot dia	Size in mm Spigot dia	Vent Size (mm)	Weight (KG)	Free Area (mm ²)	Front Plate Material
STOVE4	4	103	8.5	3.5	3000	Brass or Aluminium

Material – Grey cast iron 250

British Made Product

Cast iron foundry source – Oxford, England





For more details please see our website...

<https://www.castironairbricks.co.uk/product/stove-and-fire-vent/>

Alternatively email or call us

Sales@castironairbricks.co.uk

01598 711999

Delivery for this product is normally from stock for low volume orders and these are sent out the next working day for orders received before 12 o'clock. Ideally we hold 30 units bare metal and 1 unit polished to pewter finish as these are hand finished to order but please be aware this can quickly change. If we need to polish more black this will be 5- 7 days longer

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