

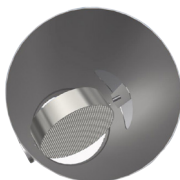
*New from the UK's leading manufacturer
of chimney cowl and flue terminals*

LIFETIME
GUARANTEE

MidCat

PURIFLUE

Eco-Friendly Woodburning



Simple, effective emissions reduction for
the environmentally conscious stove owner

www.midtec.co.uk

Discover the **NEW** MidCat Puriflue

Key Features

Using specially developed catalysis-emissions-technology (CET), the new MidCat Puriflue is an innovative approach to solving the problems of pollution created by woodburning stoves.

- Better than **75%** reduction in Carbon Monoxide
- Organic gaseous compounds (OGCs) typically reduced by **35%**
- **25%** reduction in the solids and liquids which create particulate matter (Pm2)
- Increased heat output from the flue gas
- Reduces the emissions of many older stoves making them compliant with Ecodesign Regulations
- Enhances newer models to future-proof modern stoves against possible further tightening of environmental regulations

The MidCat Puriflue™

Designed for retrofitting to existing stoves and for Eco 2022 design stoves, The MidCat Puriflue is a by-passable catalytic converter system, which reduces the environmentally harmful and toxic emissions generated by woodburning. Fitted into the chimney, the catalytic converter is designed as a butterfly valve, enabling it to be rotated in or out of the flue gas, allowing for control of the emissions and draught control when needed.

Using similar technology to that found in car exhaust systems, the MidCat Puriflue has a free-flowing metallic honeycomb structure – which creates a large surface area that is exposed to the flue gas – coated with a proprietary precious metal catalytic compound, specially developed to cope with the conditions found in woodburning. As the flue gases come into contact with the coating an exothermic chemical reaction occurs which converts the toxic compounds into less harmful gases such as CO₂ and water vapour. This process can be considered as an additional combustion process with the added advantage of releasing extra heat energy.



The Eco-Friendly Woodburning Solution

Environmentally Friendly

Despite wood being a renewable energy source – and widely regarded as carbon neutral – there is increasing awareness and concern about the negative impact of the resultant smoke on air quality. Wood smoke is made up of many harmful substances – gaseous, liquid and solids – all of which are inhaled and are known to cause health problems, as well as damage to the environment. New legislation which comes into effect from 2022 (The Ecodesign Directive) mandates that stoves burn more cleanly, with large reductions in Carbon Monoxide, Organic Gaseous Compounds and Soot and some manufacturers have embraced CET as a means of achieving these limits.

However, the retrofitting of a MidCat Puriflue, will significantly reduce the levels of many of these harmful emissions, and it's fitment to some existing stoves would in many cases meet or exceed the requirements of this new directive.

Manufacture

The MidCat Puriflue is an effective solution for anyone wishing to reduce their environmental impact, whilst enjoying the benefits of a woodburner. It has been developed by leading British chimney cowl manufacturer, Midtec Products Ltd in collaboration with Puriflue, a specialist in catalytic technologies.

Installation and Use

The MidCat Puriflue is easily installed, by a competent person immediately above the stove, by simply removing the lowest section of the existing metal flue pipe. Its compact design offers a neat integration between stove and flue. The catalytic converter element has an open and closed position, when open, the smoke by-passes it, with no treatment, and when closed the smoke passes through it and is completely cleaned.

An ideal opportunity for installation is during a routine sweep of a stove's chimney, when the flue will be opened and a MidCat Puriflue can be installed with no additional fuss or mess. It is available in two different lengths to ideally address all fires without a negative impact on the appearance of the stove.



The logo for MidCat Puriflue is centered in the upper half of the page. It features the brand name 'MidCat' in a large, green, sans-serif font, with 'Mid' in green and 'Cat' in black. Below it, the word 'PURIFLUE' is written in a smaller, green, sans-serif font. Underneath that, the tagline 'Eco-Friendly Woodburning' is written in a green, cursive script. The entire logo is enclosed within a thin, green, oval border that has a slight 3D effect with a darker green shadow on the right side. The background of the top half of the page is a light gray pattern of interlocking hexagons.

MidCat

PURIFLUE

Eco-Friendly Woodburning

For further information please,
visit: www.midtec.co.uk
or call: 01269 505715

Based on data recorded by testing at BSRIA, the MidCat Puriflue will always reduce harmful emissions, but the actual efficiency achieved will depend on the type and performance of the stove, the effectiveness of the installation, conditions of burning and the characteristics of the wood being burnt.

www.midtec.co.uk