

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

LIFETIME
GUARANTEE

MidCat

PURIFLUE

Eco-Friendly Woodburning

Simple, effective emissions reduction for
the environmentally conscious stove owner

Operating Instructions

www.midtec.co.uk

Discover the **NEW** MidCat Puriflue

MidCat Puriflue Operating Instructions

The MidCat Puriflue™ is a rotatable catalytic converter used for reducing the toxic and harmful emissions from woodburning stoves. It comprises a metal alloy foil substrate, with a large surface area, coated with a proprietary catalytic material, over which the flue gasses are passed.

The catalytic coating promotes chemical reactions between the various flue gases in which many of the toxic gases are converted into less harmful by-products such as carbon dioxide and water. These reactions occur at the high temperatures achieved when the fire is hot, the rotatable mechanism allows the catalytic converter to be used at temperatures where it is most effective, and by-passed when it is not needed.

The MidCat Puriflue has two operating position, as indicated on the front dial; in the open position the catalytic converter is by-passed, and when closed the flue gas passes through it.

Lighting the Fire

Insert the screwdriver (included in the carton) into the slot on the front dial and turn so that the arrow is pointing up vertically.

- The MidCat Puriflue is in the open position, this protects the catalytic converter from the cold smoke and any contaminates from firelighters or kindling materials, as the smoke by passes it.
- Once the fire is fully alight and has started burning with secondary air, the stove thermometer which should be fitted above the control dial, should be reading about 150°C or in the optimum burn zone) the control dial should now be rotated through ninety degrees, by turning with the screw driver so that the arrow is horizontal and the MidCat Puriflue is in the operating position. This now allows all the flue gases to pass directly through the catalytic converter.
- The MidCat Puriflue should now be left in the closed position as long as the fire is being used.

Once the fire is being allowed to die down or go out, it is good practice to re-open the MidCat Puriflue.

If the fire is being left to slow burn, with little inlet air and the draught is poor, or if there is a strong downdraught due to wind or weather conditions, then it might be necessary to leave the catalytic converter in the open position to allow extra draw.

The Eco-Friendly Woodburning Solution

The MidCat Puriflue is designed to work most effectively with well-seasoned hardwood. If any other fuel, or poor quality wood, is to be burnt then the MidCat Puriflue must be left in the open position.

Coal, including smokeless fuels, inadequately seasoned softwoods, painted or treated woods all contain contaminants which can potentially damage the substrate and are more polluting.

The catalytic converter position can be switched at any time but it should be operated either fully open or fully closed, do not operate in a half open position.

Warning: The surface temperature of the pipe and the control dial can be very hot, always use the tool provided and wear a heat proof glove when operating.

Cleaning

The catalytic converter is self-cleaning in normal operational mode. However in some situations such as burning poorly seasoned or smoky wood, or if there is a poor chimney draught or the fire is burnt in a slow mode for long periods, then soot may accumulate on the surfaces of the catalytic converter.

An early indication of such a situation is abnormal blackening of the stove glass or a poor draw from the fire.

To clear this, when cold, tap the MidCat Puriflue gently several times in both open and closed positions, with a soft mallet or piece of wood to shake off any loose soot, which will fall harmlessly back into the fire, then burn the fire at a high heat for an extended period with plenty of air and a high temperature fuel such as beech or ash.

If the issue does not improve, it should be inspected, by a competent person or sweep. Never try cleaning by burning 'chimney cleaning logs' or similar products as these will destroy the catalytic coating.

If the model Midcat Puriflue is equipped with a sweeping door, open the trap and inspect the catalytic converter for signs of blockage. Dust off any soot with a dry paint brush, or gently vacuum off the faces, being careful not to brush or touch the face with hard objects which could damage the delicate foil substrate.

Annually, the MidCat Puriflue should be inspected and brushed clean as above.

When sweeping the chimney if fitted with a sweeping hatch, this should be removed, the catalytic converter should be rotated into the open position and covered with a cloth to protect it from any falling soot. If the MidCat Puriflue does not have the sweeping door, then it will need to be completely removed for cleaning.

If you do not use the stove for a long period of time it is preferable to leave the Midcat Puriflue in an open position when not using the fire.

Please visit www.midtec.co.uk to complete a lifetime warranty form – subject to T&Cs.

The logo for MidCat Puriflue is centered on a background of light grey hexagons. It features the brand name 'MidCat' in a green serif font, with 'Mid' in green and 'Cat' in black. Below it, 'PURIFLUE' is written in a black sans-serif font. Underneath that, the tagline 'Eco-Friendly Woodburning' is written in a green script font. The entire text is enclosed within a double-lined green oval border.

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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.

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