

Operating Instructions

Woodburning Stove



Please note:

Stove & chimney installations must be carried out by a two man team with one person being a qualified & competent individual, e.g. HETAS installer or a competent individual and inspected by a local building control officer.

A carbon monoxide detector must be fitted as part of the installation. Instruction on suitable fuels/operation, cleaning and maintenance should be given by the installer to the home owner based on their installation.

THIS DOCUMENT MUST BE KEPT FOR THE FULL DURATION OF THE WARRANTY/ EXTENDED WARRANTY PERIOD. It is also recommended to be kept for general reference for the life of the stove.

**ECODESIGN
COMPLIANT**

10
Year
Extended
Warranty



Thank you for purchasing the Midtherm Pyrus V Woodburning Stove, which has been developed with your comfort, efficiency and the environment in mind.

These instructions should help ensure your stove maintains the efficient burn that has seen it gain approval for use even in smoke control areas. We hope you enjoy it, and welcome to the Midtherm family.

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Product Fiche

EU 2015/1186

Midtherm Flue Systems Limited, New Road, Dudley, West Midlands, DY2 8SY

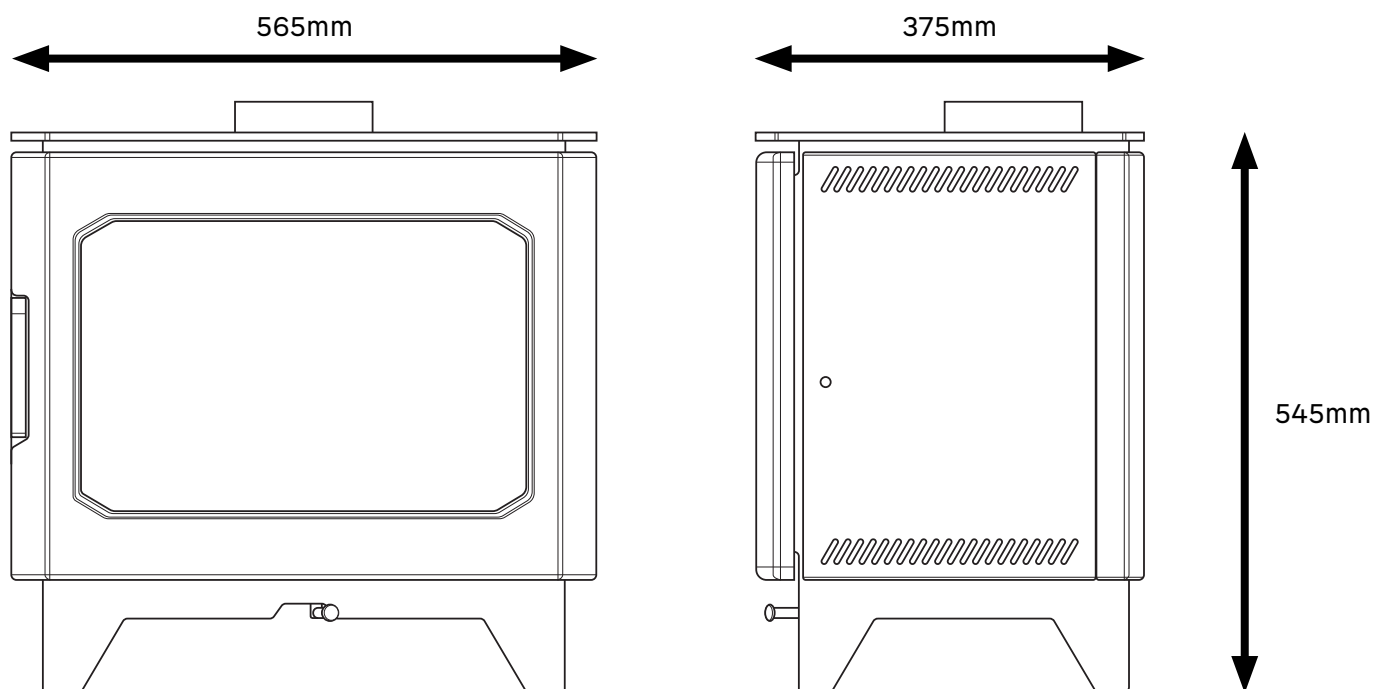
Model	Pyrus V
Energy Efficiency Class	A+
Direct Heat Output (KW)	83.8% to 1d.p.
Indirect Heat Output (KW)	5.0kW to 1d.p.
Energy Efficiency Index	109 to 1d.p.
Useful Energy Efficiency at Nominal Heat Output %	83.8% to 1d.p.

Safety Precautions

The local space heater must be assembled, installed and maintained in accordance with manufacturer's Operating Instructions manual.

STOVE DETAILS

Dimensions



Data

Minimum Distance to combustable Materials	Distance	With single wall flue	With twin wall flue and heat shield	
	Rear Wall	250	140	mm
Side Wall	250	200	mm	
Front (e.g. furniture & soft furnishings)	1100	1100	mm	
Emission of CO in combustion products	0.10	0.10	%	
Flue gas temperature	233	233	°C	
Flue gas mass flow	3.7	3.7	g/sec	
Rated heat output *	5.0	5.0	kW	
Energy efficiency	83.8	83.8	%	
Average particulate emissions	12	12	mg/Nm ³	
OGC	74	74	mg/Nm ³	
NOx	84	84	mg/Nm ³	
Model Weight	93	93	Kg	
Hearth Temperature	>100	>100	°C	
Minimum Draught	12	12	Pa	

All tests are carried out in accordance with BS EN 13240.

*The output is based on a 45 minute refuelling cycle burning seasoned hardwood logs.

USER OPERATING INSTRUCTIONS

Before use, check with the installer that these Stove Installation Instructions have been followed and the flue and chimney have been correctly prepared / installed and commissioned. All local regulations including those referring to National and European Standards need to be complied with when installing the appliance.

As part of the stoves' commissioning and handover, the installer should have shown you how to operate the stove correctly.

This stove is not suitable for use in a shared flue system. The stove is suitable for intermittent operation and should not be used constantly for extended periods (e.g. not suitable for overnight burning). Read through all sections of this manual before use.

Recommended Fuels

This appliance is a Wood burning appliance. Only dry and well seasoned wood with a moisture content of 20% or less may be burnt.

Well seasoned wood is wood that has been stored for 12 months under cover with ventilation on all sides.

Hard woods (Ash, Beech, Oak) are better than soft woods (e.g. Pine, Chestnut, Cedar). Hardwoods produce a higher heat output and are less likely to crackle and spit.

LOGS: 2 off logs approximately 300mm long (12 inches) x 75mm (3 inches) in diameter

KINDLING: 8-12 sticks approximately 150 to 200mm long (6-8 inches) x 15 to 50mm (< 2 inches) in diameter.

For a 45minute burn achieving approximately 5kW output we recommend approximately 1.2kg of wood (approximately 2 of the above size logs) to be placed onto a pre-established fire bed.

Please Note

1. Burning wet or unseasoned wood, or by using the stove irresponsibly may cause it to emit smoke which is illegal in smoke control areas and will not produce a satisfactory heat output.
2. Burning wet or unseasoned wood may reduce the life of the appliance and flue liner, cause excessive smoke, lead to tar deposits in the flue with an increased risk of chimney fire; and the heat output will not be achieved.
3. Do not burn bituminous coal, petro-coke, other petroleum based fuels or treated wood e.g. pallets as this will invalidate the product warranty.
4. Do not burn household waste or use as an incinerator.
5. Do not use liquid fuels / liquid firelighters.
6. Do not over-fire by using more fuel than advised in these instructions and/or with the air intake open for too long. Over-firing could cause damage to the stove or surrounding walls.

LIGHTING & REFUELLING

These instructions contain guidelines for operating your stove. Your installer will show you how to achieve the best performance for your installation.

- Do not leave the stove unattended while it is lighting.
- Do not operate with the door open except for as instructed below.
- Use the glove provided when touching the door handle and control of the stove after it has been lit.

Initial Lighting

On initial lighting please ensure that the room is well ventilated with doors/windows open as necessary, as it is normal for the stove itself to give off smoke and odour from the stove paint for a short period of time.

Allow the stove to burn for 2 to 3 hours slowly initially to evaporate residual moisture that may be present in the chimney.

Lighting

1. Move the air control into the Boost setting.
2. Place 2 to 3 larger pieces of split wood / kindling on the bottom of the fire box.
3. Put 8-12 kindling sticks (softwood) on top, ensuring that air can flow around them, e.g. layer them in a stack or build a pyramid.
4. Check that the height of the wood doesn't exceed the height of the tertiary air inlet holes at the back of the stove (at approximately half way up the stove), and that the fuel doesn't spill over the front grille.
5. Put 2-3 Eco friendly firelighters and / or paper on top of the fuel stack in the centre.
6. Use a long match to light the firelighter / paper.
7. Close the door. If the kindling doesn't catch fire crack the door open slightly for up to 3 minutes until flames appear - then close the door again.
8. When the kindling is well lit carefully crack the door open and wait a few moments before opening fully (to avoid smoke escaping into the room).
9. Place the correct quantity of well seasoned dry wood in the stove (either parallel or perpendicular to the glass).
10. Close the door. If the logs don't catch fire, crack the door open slightly for up to 3 minutes until flames appear on both logs, then close again.
11. Once the fire has caught well and the temperature is increasing the air control can be turned down. At about half way the primary air will close off leaving the secondary air and tertiary air to circulate over the fuel.
12. Ash should be left on the base when relighting. If the fire bed is full of ash e.g. it has built up behind the front grille, or is covering the primary air inlet holes, some should be removed.

Refuelling

To reduce smoke and emissions it is important to refuel onto a bed of hot embers. If there are no remaining hot embers then use some kindling to relight the fire with the air control fully open and the door cracked open if necessary. To refuel onto an existing bed of hot embers:

1. Crack the door open. Leave for a few moments before opening fully.
2. Separate the burnt wood and spread evenly over the fire bed with a suitable tool.
3. Place the correct quantity of well seasoned dry wood in the stove (either parallel or perpendicular to the glass). Allow some space between the logs to allow the air to circulate around them. Make sure that logs do not protrude beyond the front grille as this could cause damage to the glass and will cause the glass to blacken.
4. Check that the height of the logs doesn't exceed the height of the tertiary air inlet holes at the back of the stove (at approximately half way up the stove), and that the fuel doesn't spill over the front grille. Overloading can cause excessive smoke.
5. Move the air control into the fully open boost setting.
6. Close the door. If the logs don't catch fire crack the door open slightly for up to 3 minutes until flames appear - then close the door again.
7. Once the fire has caught well and the temperature is increasing the air control can be turned down. At about half way the primary air will close off leaving the secondary air and tertiary air to circulate over the fuel.

NOTE: Ensure boost setting is used as detailed above when refuelling. Failing to do so will result in the stove slumbering. This is detrimental to stove performance and can cause smoke and chemical condensing, leading to tar and deposit build-up.

Ash Clearance

When excessive ash has built up on the base of the fire box (front grille or primary air inlet holes at back of stove are covered), this should be removed.

- Allow the ash to cool sufficiently that it can be removed safely.
- Ash should be scooped up and put into a steel ash carrier.

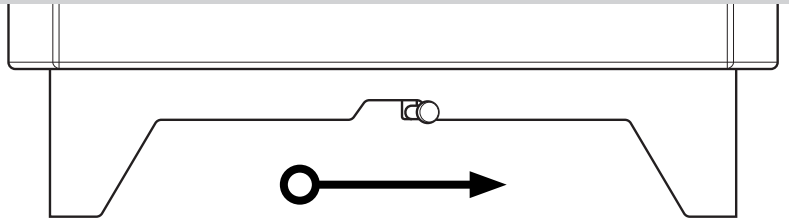
CONTROLS

Below are details of the air inlet positions. These are all controlled by the single lever on the front of the stove.

Air Inlet	Location
Primary	Bottom air inlet holes in the vermiculite board at the back of the stove. Acts as a "Boost" function when lighting and refuelling.
Secondary	Air wash that comes down the front of the glass and helps to keep the glass clean.
Tertiary	Upper air inlet holes in the vermiculite board at the back of the stove. Secondary and Tertiary air mix together and flow over the top of the wood and circulate around the firebox.

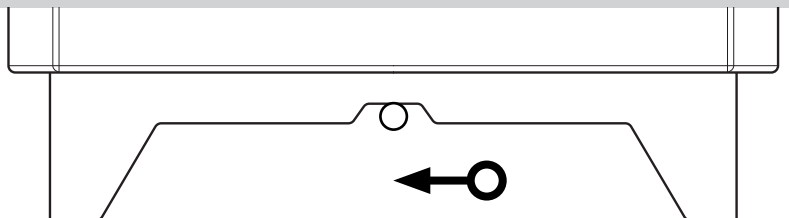
BOOST SETTING

Fully open, control all the way to the right.
For Initial Start-up only



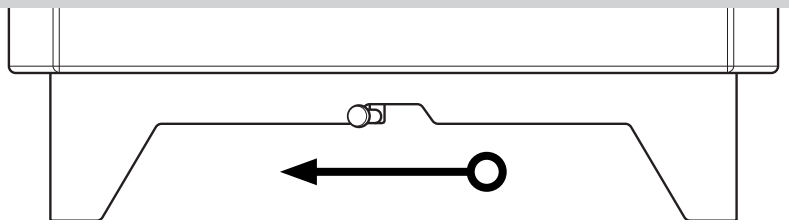
NOMINAL SETTING

Primary Inlet off
Exact nominal setting will vary depending upon installation, fuel, and environmental factors.



MINIMUM SETTING

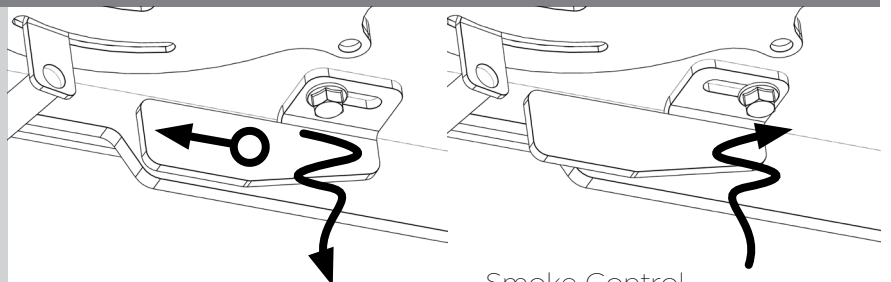
Primary air intake closed
Minimum supply to secondary & tertiary inlets provided.



Smoke Control Setting

Becomes the minimum setting in smoke control areas.
Slide and screw into place as a physical stop for the control arm.

View (right) is looking at underside front edge of stove.



Smoke Control Stop in position

IMPORTANT NOTES

Fire Guards

Always use a fireguard in the presence of children, the elderly or the infirm. The fireguard should be manufactured in accordance with BS8423 – Fireguards for use with solid fuel appliances.

Warning Note

Properly installed and operated, this appliance will not emit fumes. Occasional fumes from de-ashing and refuelling may occur. Persistent fume emission must not be tolerated.

This appliance should not be operated with the door open.

If fume emission persists, then the following immediate action should be taken:

- Open doors and windows to ventilate the room.
- Let the fire go out or eject and safely dispose of fuel from the appliance.
- Check for flue/chimney blockage and clean if required.
- Do not attempt to re-light the fire until the cause of the fume emission has been identified and corrected.

If necessary, seek expert advice.

In The Event Of A Chimney Fire

- Raise the alarm
- Call the Fire Brigade
- Close appliance air controls
- Move furniture, ornaments etc. away
- Place a fireguard in front of stove
- Check the chimney breast for signs of excessive heat.
- If the wall is becoming excessively hot, move furniture away.

Ensure the Fire Brigade can gain access to your roof space in order to check for fire spread.

Carbon Monoxide Detector

Building regulations require that whenever a new or replacement fixed solid fuel or wood / biomass appliance is installed in a dwelling a carbon monoxide alarm must be fitted in the same room as the appliance. Further guidance is available in the latest issue of BS EN 50292 and the alarm instructions. The installation of such an alarm is not considered a substitute for regular maintenance of servicing or the appliance and flue system.

Aerosols

Do not use an aerosol spray on or near the stove when it is alight. There is a risk of explosion or flash ignition for the spray.

Extractor Fan

Fitting a stove in a room which also contains an extractor fan and/or cooker hood should be avoided where possible. If this is unavoidable, the suitability of the space for fitting this appliance must be decided at the discretion of a qualified installer, and a flue draught interference test must be performed.

Warning

This Appliance will be hot when in operation and due care should be taken. We advise that the gloves provided are used when operating the air control, and when opening the door.

Ventilation

It is essential that the stove has an adequate air supply for combustion and ventilation. Requirements can be found by checking Building Regulations Approved Document J. Do not obstruct the ventilation required for the safe use of this appliance.

SMOKE CONTROL AREAS

The Clean Air Act 1993 and Smoke Control Areas

Under the Clean Air Act local authorities may declare the whole or part of the district of the authority to be a smoke control area. It is an offence to emit smoke from a chimney of a building, furnace or any fixed boiler if located in a designated smoke control area. It is also an offence to acquire an “unauthorised fuel” for use within a smoke control area unless it is used in an (“exempted” from the controls which generally apply in the smoke control area).

In England appliances are exempted by publication on a list by the Secretary of State in accordance with changes made to sections 20 and 21 of the Clean Air Act 1993 by section 15 of the Deregulation Act 2015. In Scotland appliances are exempted by publication on a list by Scottish Ministers under section 50 of the Regulatory Reform (Scotland) Act 2014. In Wales and Northern Ireland these are authorised by regulations made by Welsh Ministers and by the Department of the Environment respectively.

Your local authority is responsible for implementing the Clean Air Act 1993 including designation and supervision of smoke control areas. Further information can be found here: www.gov.uk/smoke-control-area-rules

The Midtherm Pyrus V has been recommended as suitable for use in smoke control areas when burning wood logs with a moisture content of 20% or less. The Midtherm Pyrus V must be fitted with a permanent stop preventing the closure of the secondary and tertiary air intake.

Refuelling Onto A Low Firebed

If there is insufficient burning material in the firebed to light a new fuel charge, excessive smoke emission can occur. Refuelling must be carried out onto a sufficient quantity of glowing embers and ash such that the new fuel charge will ignite in a reasonable period. If there are too few embers in the fire bed, add suitable kindling to prevent excessive smoke.

Operation With Door Open

Operation with the door open can cause excess smoke and fume spillage into the room. The appliance is tested as a closed door appliance and must not be operated with the appliance door left open except as directed in the instructions, e.g. when lighting and refuelling as directed in these instructions.

Fuel Overloading

The maximum amount of fuel specified in this manual should not be exceeded, overloading can cause excess smoke.

Controls Left Open

Operation with all air controls fully open can cause excess smoke. The appliance must not be operated with air controls or door left open except as directed in the instructions.

The Environment

To ensure a more environmentally friendly way of burning your stove, avoid turning it down to the point where you cannot see any visible flames. If the stove is run this way then the gases produced from the wood will not be burnt off (due to low temperatures in the chamber). This can also cause soot to condense in the flue system and could lead to a chimney fire. The smoke that is left as it exits the chimney will also pollute the surroundings and cause an unpleasant smell. Remember that your chimney (however good) will not perform well if the stove is not used correctly.

TROUBLESHOOTING

Smoke

This can happen for a variety of reasons e.g cold air trapped in chimney/flue. As cold air is denser, this causes smoke to be forced back down the chimney. We recommend trying to heat the chimney before lighting for example, placing a firelighter on top of the kindling. Ensure wood has a moisture content of less than 20% as this can cause excess smoke. Also check the type of wood as softwood produces more smoke than hardwood.

Paint Curing

The stove paint curing process takes place at room temperature and the surface coating is virtually free from fumes and odours. When being put into operation for the first time we would recommend that windows and doors are opened for a short time to provide ventilation.

If the surface of the appliance turns grey or the paint starts to flake or peel then this is caused by over-firing.

Weather Conditions

Varying weather can have an impact on the way the stove burns, especially the wind. An anti-down draught cowl might need to be fitted (speak to a specialist) or a flue damper may also be of help. Mist and fog may also have an impact on the chimney draught and you will need to change the settings you are using on the stove.

Glass

If your glass is blackening this can be due to incorrect use of air controls (see instructions). Alternatively, poor quality fuel which has a high moisture content can also be a cause. When the glass has a white shadow (or crazing) on the inside then this can be caused due to over-firing, too much primary air or a vacuum in the room.

Operation Of Fire

There are varying reasons for problems with stove operation, including:

- A low or high flue draught in which case you need to speak to your installer. Correct use of the air controls (please refer to instructions).
- Quality and moisture content of fuel.
- Check that chimney is not blocked or that nearby buildings or trees affect the wind around it.

Noise

When the appliance body heats up and cools down it may make some clicking noises. This is due to the large temperature differences and is not a problem with the appliance.

Fire Goes Out After A Short Time

- Check the flue draught of the stove is not too strong or too low.
- Is the air vent blocked?
- Is an extractor fan running or are there more doors / windows open than usual?
- Check use of air controls (please refer to these instructions).
- Ensure that the amount of kindling used is enough to light the added fuel.
- Try heating the flue/chimney up first following the lighting procedure to ensure that the flue is warm which will improve the draught.

MAINTENANCE & SERVICING

Periods Of Prolonged Non-Use

If the stove is to be left unused for a prolonged period, then it should be given a thorough clean to remove ash and unburned fuel residues. To enable a good flow of air through the appliance to reduce condensation and subsequent damage, leave the air controls fully open.

If the appliance has been unused for a long period, such as during the spring and summer months, a competent person should check the chimney for potential obstructions before lighting the stove i.e. get the chimney swept before the start of the heating season.

Baffle Brick

The baffle brick is located in the upper part of the stove and this should be removed and cleaned on a regular basis. This prevents any build-up of soot or fly ash that could lead to blocked flue ways and dangerous fume emission. See below for instructions for removal.

Glass Panel

Process to removal and replacement of the glass panel:

- If glass needs replacing a new piece of glass sealing tape will also be required.
- Unscrew the screws that hold in the glass clips carefully and then remove the glass.
- Fit the new piece of glass sealing tape in position.
- Fit the glass in place.
- The clips and screws should only be finger tight to allow for the expansion and contraction of the glass.

Clean the glass panel when cool with a damp soft cloth. If residue is more difficult to clear use a gentle glass cleaner. Apply the cleaner to a non-abrasive cloth (not directly onto the glass as it could run and soak into the sealing tape).

Wet logs on heated glass, a badly aimed poker or heavy slamming of the doors could crack the glass panels, the glass will not fracture from heat. Please check periodically that the glass clips and screws have not become loose.

Stove Body

You can wipe the stove with a damp, lint free cloth. Repair any light damage with stove paint available from Midtherm.

Firebricks

In normal use, these can last for many years. It is possible however, to crack them if logs are continually jammed against them or if they are frequently struck with a poker. Check periodically for seriously cracked bricks, which can be replaced with new fire bricks, available from Midtherm.

Process for removal and replacement of the fire bricks:

1. While supporting the top baffle brick, pull the top of the LH side brick in towards the centre of the firebox and remove.
2. Drop top baffle brick down on left side and remove from the firebox.
3. Pull the top of the RH side brick in towards the centre of the fire box and
4. Pull the top of the rear brick towards you and remove from the firebox.
5. Lift up the base brick and remove from the firebox.

Follow this process in reverse to replace the fire bricks.

Glass Sealing Tape

The glass sealing tape will have to be replaced when a new piece of glass is fitted as the self-adhesive tape is stuck onto the glass. Over time you may also find that the gasket tape changes colour which is OK.

Door Sealing Rope

Check the door seal rope periodically. If rope is becoming detached, use rope glue to reattach. If the rope is worn or frayed, a replacement rope is available from Midtherm.

Chimney & Flue

If the baffle brick is removed the chimney/flue can be swept through the appliance. For rear outlet stoves access may be via a tee cap. Additional access may be available via cleaning doors in the flue – especially if the route requires this to ensure the full length of the flue can be easily swept.

It is important that the chimney, flue ways and any connecting flue pipe are swept twice a year for woodburning appliances.

Cleaning the chimney and flue should only be carried out by an experienced chimney sweep with a trusted trade rating.

If the stove is fitted in place of an open fire, then the chimney should be swept one month after installation to clear any soot falls which may have occurred due to the difference in combustion between the stove and the open fire.

Spare Parts

All spare parts can be purchased from Midtherm.

See purchasable parts list below for more details

Annual Service

Midtherm recommend that this appliance be serviced at least annually, preferably prior to the start of the heating season, and in time to order any replacement parts should they be needed. This should be carried out by your a competent chimney sweep.

Remove all the internal components: Log retainer, fire bricks, top baffle brick. Clean them with a soft brush carefully and inspect them for damage.

Sweep the chimney/flue system if necessary.

Clean down the internal surfaces of the appliance using a scraper or wire brush. Inspect these surfaces for damage/corrosion. If corrosion or damage is found, we advise that you consult with your chimney sweep about rectification/repair.

Brush out or vacuum the inside of the appliance and re-fit the internal components.

Inspect the glass door sealing rope. Clean the glass with a non-abrasive cleaner if required. If the door sealing rope is torn or damaged, we recommend that it is replaced to ensure that no products of combustion enters the room when the appliance is used.

Painted Finish – Wipe the stove with a damp lint free cloth. Repair any light damage with Midtherm stove paint spray.

Please Note: Only use manufacturer recommended spare parts

Description	Product Code	Included in Warranty?
Midtherm Stove Gloves	55510001	No
Midtherm Stove Shovel	555100011	No
Pyrus V Glass Kit	55550005	No
Pyrus V Vermiculite Kit	55550005A	No
Pyrus V Door Seal Kit	55550005B	No
Pyrus V Handle & Hinge	55550005C	No
Pyrus V Spigot Replacement	55550005D	No

WARNING! Modifications to the stove are not permitted and will void your warranty

INSTALLATION INSTRUCTIONS

Competent Persons Scheme

Midtherm recommend that this stove be installed by a member of an accredited competent persons scheme e.g. HETAS. This is also a requirement for the extended warranty scheme to be valid.

If the installer is not a member of a competent persons scheme, it is a legal requirement, in the UK, to notify your Local Building Control Officer in advance of any installation work starting.

Legal Requirements

These instructions cover the basic principles to ensure satisfactory installation of the stove, although details may need slight modification to suit particular local site conditions.

All local regulations, including those referring to National and European Standards need to be complied with when installing the appliance. In all cases the installation must comply with current Building Regulations, Local Authority Byelaws, European and National Standards and other specifications or regulations.

Connection to the Chimney

Ensure any existing chimneys are clear of obstruction and have been swept prior to installation. If the stove is being fitted into a previous open fireplace then the chimney must be swept one month after fitting.

- An existing fireplace opening can be bricked up or sealed with a register plate with consideration for access for cleaning (e.g. a register plate with soot door).
- A short length of flue pipe with a minimum internal diameter 125mm may be used to connect the stove to the chimney.
- This flue pipe should be made of 316 grade stainless steel or vitreous enamelled steel, e.g. either Midtherm SW 316 0.9mm or Midtherm Vitrelux.
- The length of any horizontal run of flue pipe must not exceed 125mm.
- Alternatively a Midtherm HT-S twin wall starter length with a 0.9mm inner can be used off the top of the appliance.
- For rear connections Midtherm HT-S 0.9mm thick liner components can be used off the back of the appliance and the horizontal distance can be increased to 425mm provided that a flue calculation to BS EN 13384 has been carried out to check the draught.
- It is essential that all connections between the stove and chimney/flue are sealed and made airtight. Any bend in the chimney or connected flue pipe should not exceed 45°. 90° bends should not be used.
- Make provision to access the chimney/flue system for cleaning and the removal of debris.
- A draught test point should be included in the connecting flue pipe

If found necessary to line the chimney then a twin wall flexible flue liner for solid fuel must be used. If there is no existing chimney then either a prefabricated block chimney or a twin-walled insulated stainless-steel chimney to meet the requirements of the installation standard BS EN 15287-1 can be used. These chimneys must be fitted in accordance with the requirements of BS EN 15287-1, manufacturer's instructions and Building Regulations. New masonry and flue block chimneys must meet the requirements of Building Regulations Document J. Any connecting flue pipe systems must also meet these regulations.

Please check the suitability of the fireplace and/or surround for use with this appliance before installing it. If you have any doubts about the suitability of your chimney, consult your local Installation Engineer.

Hearth & Fire Surround

Hearth constructions must comply with the current building regulations. The stove must be installed on a floor with adequate load-bearing capacity; otherwise suitable measures should be taken. If the existing construction does not meet requirements, suitable measures (e.g. load distributing plate) should be put in place. The hearth should extend at least 400mm from the front of the appliance and at least 150mm to the sides. The stove door when open will extend beyond the hearth.

If the standard leg option is installed the stove should stand wholly above a solid constructional hearth, at least 125 mm thick. A constructional hearth should be made of solid, non-combustible material, such as concrete or masonry, at least 125mm thick, including the thickness of any non-combustible floor and/or decorative surface. Please refer to Building Regulations Approved Document J for further information.

Professional advice should be sought from your supplier or local building inspector if there is any doubt about the hearth positioning.

The fireplace should allow good air circulation and should be dimensioned to avoid overheating. A gap of 150mm each side and 300mm above the fire should be sufficient. If a wooden beam is present then a minimum distance of 460mm (preferably 600mm) should be maintained. A protective shield may be required for the mantelpiece or beam in some situations.

The distance behind the appliance to allow access must be a minimum of 50mm but may need to be increased to meet Building Regulations.

Health and Safety Guidance

Special care must be taken when installing the stove such that the requirements of the Health and Safety at Work Act are met.

Handling

This appliance is very heavy. Adequate facilities must be available for loading, unloading and site handling.

Metal Parts

When installing or servicing this stove, care should be taken to avoid the possibility of personal injury.

Stove Performance

This is a Domestic Appliance and must only be used in accordance with these instructions.

Important Warning

This stove must not be installed into a chimney that serves any other heating appliance.

Asbestos

This stove contains no asbestos. If there is any possibility of disturbing any asbestos in the course of installation, then please seek specialist guidance and use appropriate protective equipment.

Fire Cement

Some types of fire cement are caustic and should not be allowed to come into contact with the skin. In case of contact, wash immediately with plenty of water.

Air Supply

The room or space containing this appliance does not need a permanent, unobstructed air opening unless the air permeability rating is less than or equal to $5\text{m}^3/(\text{h}\cdot\text{m}^2)$.

If a draught stabiliser is fitted, the air opening should be at least 4250mm^2

Due consideration should be given to air requirements for any other appliance in the same room or space.

Any air opening must be kept clear from blockage or obstruction.

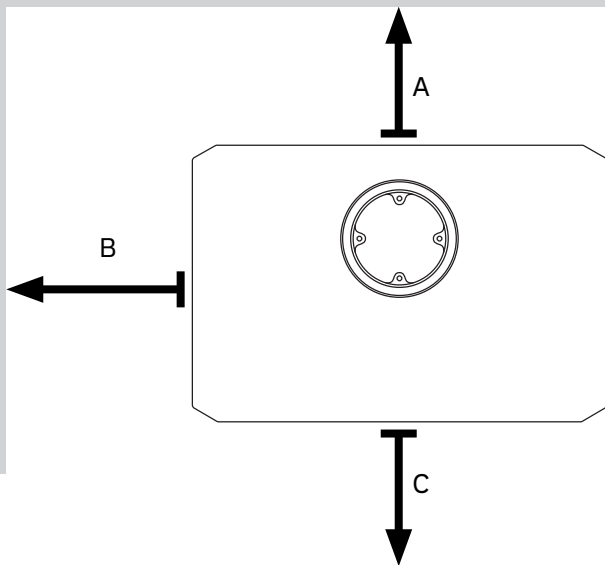
Certificate of Compliance

After completion of the appliance installation please ensure the Certificate of Compliance is completed by the installer to comply with the requirements of HETAS and Building Regulations. The installer must supply these details, including registration number for any insurance details that may need changing after installation of the appliance.

New Builds

Attention is needed in new built properties where the design air permeability is less than $5\text{m}^3/(\text{h}\cdot\text{m}^2)$. Approved Document J and Appendix F gives further information. A window opening is not appropriate.

Distance to Combustible Materials



When the stove is to be installed within the vicinity of combustible walls the following minimum ventilated distances (here in mm) must be maintained.

Distance	SW Flue	TW Flue & Heat Shield
A	250mm	140mm
B	250mm	200mm
C	1100mm	1100mm

Unpacking

Remove all packing. Remove internal components to make handling the stove easier and protect them from damage during installation.

- Instructions
- Pair of gloves
- Fire bricks
- Shovel
- Flue collar fixing box

Data Plate

The data plate is attached to the back of the stove. It must remain accessible when the stove is in its final location.

Flue Collar & Blanking Plate

The flue collar and blanking plate can be removed and replaced in the opposite orientation to blank off the unused connection point.

Direct Air Kit

If a direct air kit is required, this is available from Midtherm.

MIDTHERM Pyrus V

BS EN 13240: 2001+A2:2004

Product Type Room heater fired by solid fuel

Intended Use Residential room heater

Fuel Type Wood

UK
RA²³
UK
HT²³

Minimum clearance to combustible materials (mm)

	Single wall	Twin wall + heat shield
Flue	250	140
Rear wall	250	200
Side wall	250	1100
Front (e.g. furniture)	1100	1100

Emission of CO in combustion products	0.10	%
Flue gas temperature	233	°C
Flue gas mass flow	3.7	g/sec
Thermal output	5.0	kW
Energy efficiency	83.8	%
Average particulate emissions	12	mg/m ³
OGC	74	mg/m ³
NOx	84	mg/m ³

Follow the user's instructions.

This stove must not be used in a shared flue.

Use only recommended fuels.

This stove is suitable for intermittent operation.

Midtherm Flue Systems Limited, New Road, Netherton,
Dudley, West Midlands, DY2 8SY

Commissioning

Check that the fire bricks and baffle brick are all fitted correctly.

Check that the door closes properly.

Once the installation is complete allow sufficient time for any fire cement or building work to dry out properly before lighting the stove.

Commission the appliance in line with BS EN 15287-1 and Building Regulation requirements. Check that fumes and smoke are emitted safely from the top of the chimney.

On satisfactory completion of the commissioning process leave these instructions with the customer and run through the following details with them adding any useful information dependant upon their particular location / installation:

- Safety
- CO alarm
- Recommended fuels
- Lighting
- Refuelling
- What to do in the event of a chimney fire
- Trouble shooting
- Maintenance
- Chimney sweeping
- Annual servicing



Warranty Scheme

The metal firebox of your Midtherm Pyrus V comes with a 1 year warranty from date of purchase. We also offer a 5 year extended warranty scheme for registered appliances when purchased from an authorised Midtherm Stoves Stockist (this increases to 10 years when installed with Midtherm flue and chimney components from the appliance to termination). See warranty scheme terms & conditions for full details.

Extended Scheme

For the extended 5/10 year warranty to be valid, please register your Midtherm Pyrus V stove onto the warranty scheme by completing the online form as instructed below. The unique warranty ID should be kept safe and referenced in any future correspondence.

You should register your stove within 28 days of commissioning (this should be within 2 months of purchase).

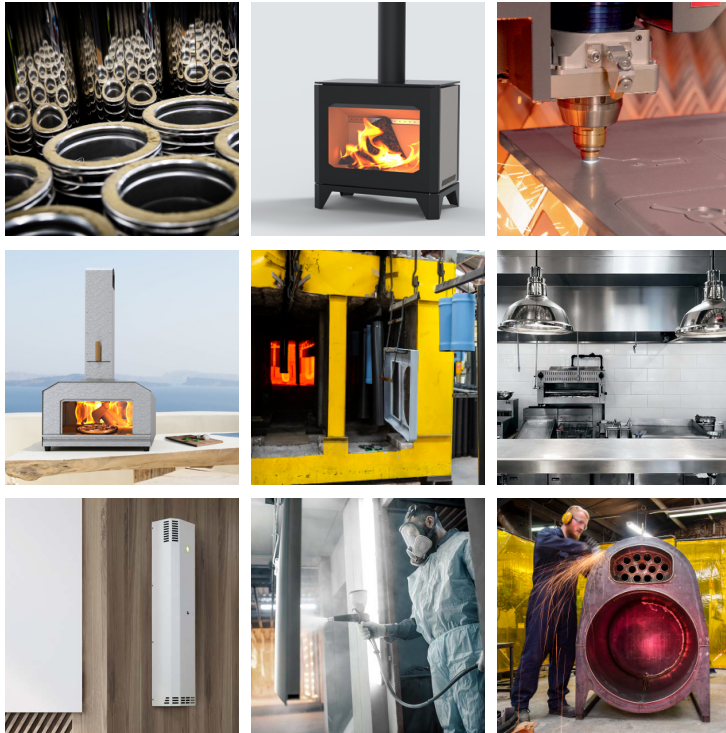
Warranty Registration

- Warranty forms may now be completed much quicker online!
- Scan the QR code on the right with your phone camera, or visit:
<https://midthermflue.co.uk>
- Fill out the online form carefully and submit it to us
- Keep note of your unique Warranty ID from the Registration Receipt email
- Note: any incorrectly submitted information may void the warranty



COMING SOON!

SCAN ME



Batch Number

Batch Completion Date

Warranty ID
(To be filled in by user)

