

INSTALLATION MANUAL  
OPUS TRIO SCALA  
GAS STOVE

OPUS

FIRED BY DESIGN



**INSTALLATION & SERVICING INSTRUCTIONS  
(TO BE LEFT WITH THE CUSTOMER)**

**For use in UK & Ireland on Natural Gas (G20) at a supply pressure of  
20mbar**

GB/IE



# INSTALLATION INSTRUCTIONS

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## Important notes

This stove is a fuel effect radiant convector. Before installation, ensure that the local distribution condition (identification of the type of gas and pressure) and the adjustment of the appliance are compatible. The data label is located at the rear of the stove. The installation must be in accordance with these Instructions and National Regulations and must be carried out by a qualified installer. In the UK the installation must also be in accordance with the relevant parts of BS5440 parts 1 and 2.

Any flue damper plate or flue restrictor must be removed or fixed permanently in the fully open position, or shall only be fitted in accordance with National Regulations. In the UK the installation must also be in accordance with the relevant parts of BS5440 parts 1 and 2.

This appliance is intended for use on a gas installation with a governed meter.

If the chimney has previously been used to burn solid fuel, the chimney should be swept before the stove is installed.

The flue pull should be checked prior to the installation of the stove. Apply a smoke pellet to the flue and ensure that the smoke is drawn into the flue. If there is not a definite flow, preheat the flue for a few minutes & re-test.

Before the stove is installed a flue test in accordance with National Regulations should be carried out. The gas connection must be in accordance with National Regulations.

The stove is fitted with a spillage monitoring system consisting of a thermal switch connected to a thermocouple interrupter. This system is not adjustable, and must not be put out of action. If any parts of the spillage monitoring system require replacement only original manufacturers' parts must be used.

All surfaces except the controls are considered to be working surfaces

The stove should not be used for any other purpose than as a room heater and a decorative stove. The stove should not be operated with the door open, without the door attached or the glass in the door damaged, broken or missing.

## TECHNICAL INFORMATION

GAS		NATURAL GAS ONLY	
COUNTRY OF DESTINATION	GB,IE,AT,BG,CH,CZ, DK,EE,ES,FI,GR,HR,IT,LT,LV,NO,PT,RO,SE,SI,SK,TR	DE	BE,FR
APPLIANCE GAS CATEGORY	I2H	I2E	I2E+
HEAT INPUT NET HIGH/LOW	6.95 kW/4.3 kW	6.95 kW /4.3 kW	6.95 kW /4.3 kW
SUPPLY PRESSURE MBAR	20 ± 1	20 ± 1	20/25 ± 1
GAS CONNECTION	8mm PIPE		
GAS CONSUMPTION	0.721 M3/H		
NOX CLASS	5	5	5
EFFICIENCY CLASS	2	2	2
INJECTOR	STEREOMATIC	No88, 7 x 0.88mm	
AERATION	2X 6.3MM		
FLUE RESTRICTOR RING	62MM DIAMETER		
SETTING PRESSURE HIGH/LOW	11.1 Mbar HOT 4.55 Mbar HOT	(10.9 mbar COLD) (4.4 mbar COLD)	
FLUE CONNECTION	125MM DIAMETER		
THERMAL SWITCH	120 °C		

# Dimensions & clearances

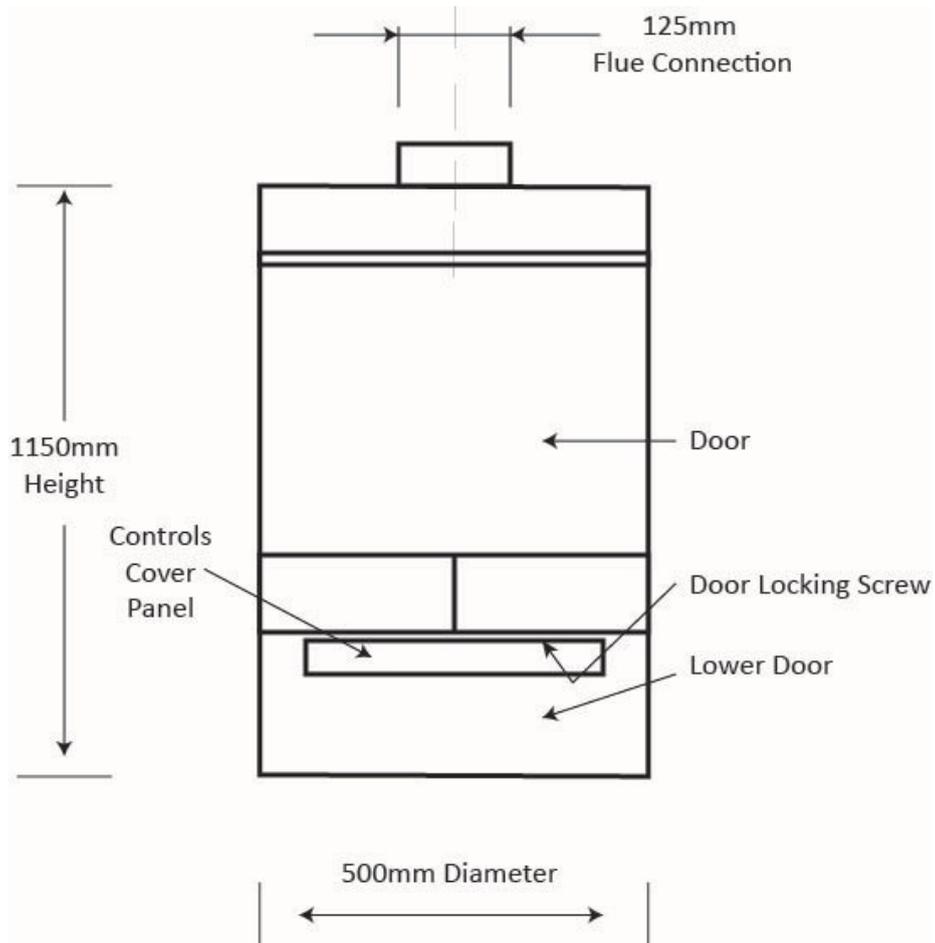


FIG 1

Door locking screw



## **INSTALLATION**

Install the stove in accordance with the requirements given below. If a concealed gas connection is to be made prepare the pipe work prior to installing the stove.

### **Positioning the Stove**

Clearances from non-combustible material must be at least 120mm on both sides and 75mm at the back. Clearances for combustible material must be at least 200mm on both sides and 100mm at the back.

### **Hearth**

A hearth is not required for this stove. The stove must stand on a solid floor, either combustible or non combustible. Care should be taken to ensure that nothing combustible, such as carpets, soft furnishings, curtains, shelves, etc., are positioned within the minimum distances to combustibles as stated in the paragraph above.

### **Log Arrangement**

The logs should only be arranged as shown in the layout given in the Installation Instructions by a qualified person. The stove must only be fitted with the ceramics supplied. DO NOT use any extra logs or coals.

### **Flue Connection**

The flue should be a minimum of 3metres high and at least 125mm diameter or equivalent area. Horizontal or negative gradients in the flue pipe should be avoided.

It is recommended that a minimum height of 600mm from the stove should be established before any significant change in the direction of the flue.

The flue must be lined.

### **Flue restrictor Ring**

A 62mm restrictor ring is supplied with the stove. If the flue diameter is 150mm or more this ring should be fitted inside the flue connection. There may however be certain circumstances where the restrictor ring causes the stove to fail the spillage test. In such cases the restrictor ring **MUST** be removed. After removal, conduct the spillage test again.

### **Ventilation**

Ventilation should be in accordance with National Regulations. In the United Kingdom, purpose provided ventilation is not normally required, except in new build houses. For Republic of Ireland refer to I.S813 issued by the National Standards Authority of Ireland.

### **Gas Connection**

The gas supply connection is behind the lower door of the stove on the inlet to the gas valve. An isolation elbow with pressure test point is supplied with the stove for easy connection. The gas supply should be purged and any loose matter removed. Connect the gas supply pipe and check for gas soundness.



Fig. 2

62mm Flue restrictor ring

### **Dispersal medium**

Remove the door locking screw and open the door (Fig.1)

Place the black granular dispersal medium supplied into the burner tray. Completely fill the burner tray.

## Positioning the logs

1. Fit log A, as shown (Fig. 3)
2. The embaglow can now be fitted on top of the granular dispersal medium as directed on the back of the packet. Take care not to put embaglow material too near the pilot as this can interfere with ignition.
3. Position logs B, C, D as shown (Fig.4 )
4. Close the door and secure with the locking screw. (Fig.1 )

Fig. 3



Fig. 4



## Commissioning

Once the fire is in place, connected, flued correctly, and the logs are in place, you can proceed with lighting the stove and ensuring the all the features are working correctly.

The Fire control unit is located behind the controls cover panel.

The pilot light is located centrally at the rear of the burner.

Should the stove be extinguished for any reason, wait 3 minutes before attempting re-ignition

Connect a suitable pressure gauge to the inlet pressure test point to check the correct inlet pressures.

Fit AA batteries to the Fire control unit. The control requires 3 AA size alkaline batteries to be inserted under the battery compartment cover. The orientation of these is shown moulded into the battery compartment.

After fitting the batteries and replacing the cover the fire can now be operated. Slide the Master switch to the right to the ON position (I symbol).

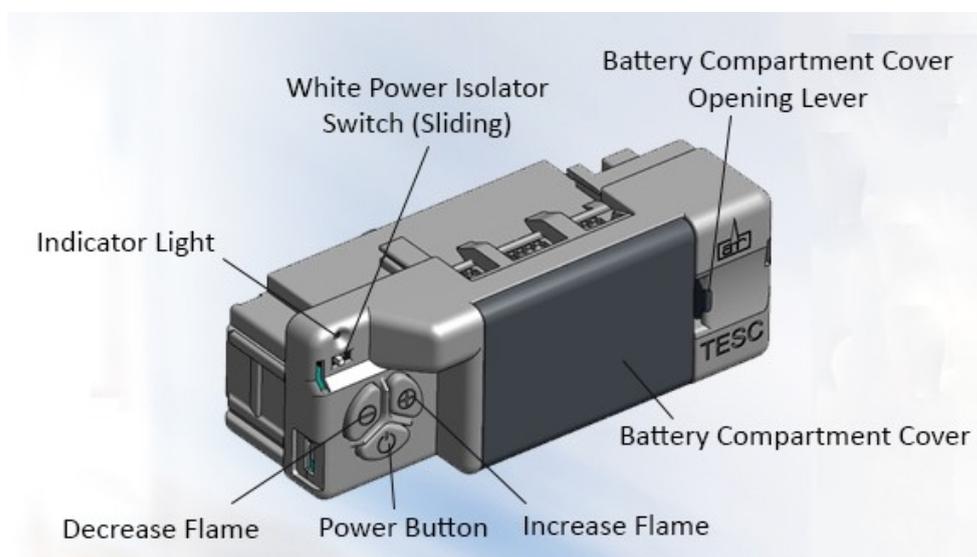
To start the fire, press the ON/OFF button and hold for 1 second then release. The burner will within around 1 to 10 seconds ignite and adjust to the maximum power setting. This can take longer on the first lighting as it has to clear out any air locks

Check that the supply pressure is  $20 \text{ mbar} \pm 1 \text{ mbar}$

The power of the burner can be adjusted up and down by pressing the + and – buttons.

To stop the fire, simply press the power button again and the burner will stop. Disconnect the pressure gauge, replace the test point sealing screw and test for gas soundness.

Once the fire has been successfully lit and extinguished, you can then put batteries in the Remote control and check that this is functioning correctly (See user instructions including how to set the time and date on the handset).



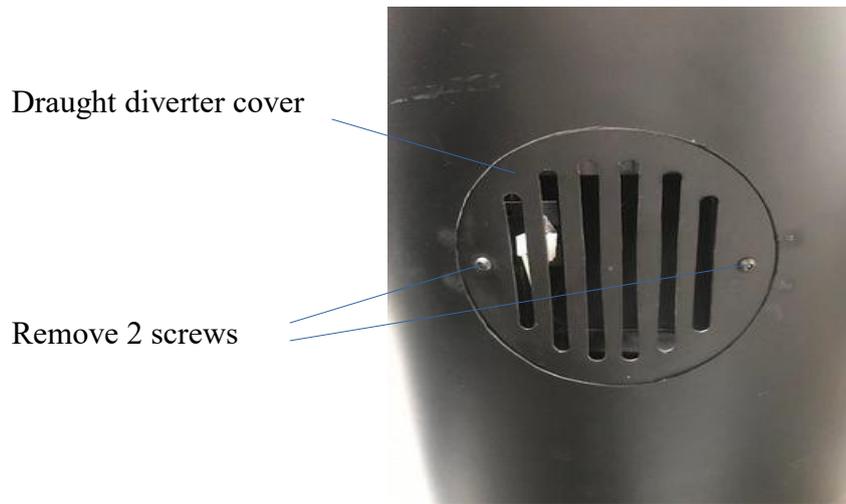
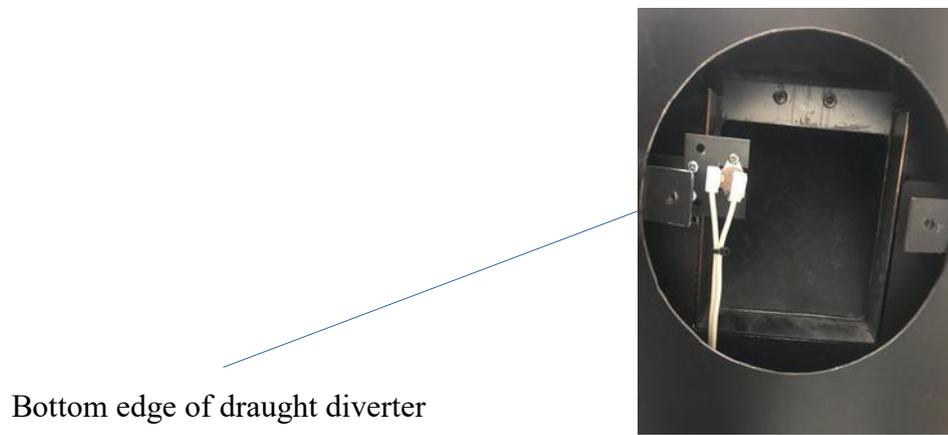


Fig.5  
Draught diverter



## CHECK FOR SPILLAGE

Remove the 2 screws securing the draught diverter cover at the rear of the stove (Fig.5).

Close all doors and windows in the room containing the appliance. Light the stove and set the control unit to 'HIGH', leave the appliance for 5 minutes.

Apply a smoke match along the bottom edge of the draught diverter (Fig.5). The installation is satisfactory if the smoke is drawn into the stove. If in doubt wait a further 10 minutes and then repeat the test.

If still in doubt and the flue restrictor ring is fitted (Fig.2), remove the ring and repeat the spillage test.

If there is a nearby room with an extractor fan the spillage test should be repeated with the fan running and all connecting doors between the stove and the fan left open. If in doubt disconnect the appliance and seek expert advice.

Replace the draught diverter cover.

## CUSTOMER BRIEFING

Hand these Instructions to the customer.

Advise the customer how to use the stove.

Explain to the customer that the stove has a flame failure and spillage monitoring system.

Point out the explanation of this system is in the Operating the Stove section of the instructions.

Advise that if the monitoring system repeatedly shuts off the stove, it should be switched off and a specialist consulted.

Advise that if the fire goes out for any reason, wait at least three minutes before relighting.

Advise the customer that due to the newness of materials the stove may give off a slight smell for a period of time after commissioning. This is quite normal and any odours should disperse after a few hours operation.

Stress that no extra logs must be added over and above those supplied with the appliance and that any replacements must only be authorized spares.

Recommend that the stove is regularly serviced and the flue system checked by qualified persons.

## **Servicing**

It is essential that the stove is regularly serviced, and the flue system checked by a qualified person.

### **Servicing instructions**

The stove is fitted with a spillage monitoring system consisting of a thermal switch connected to a thermocouple interrupter. This system is not adjustable and must not be put out of action. If any parts of the spillage monitoring system require replacement only original manufacturer's parts must be used.

The thermal switch rating is 120°C. Quote this rating if ordering a new switch.

1. The following servicing procedure should be carried out regularly and only by a qualified person.  
Ensure that the fire is turned off and is cold.
2. Slacken the screw securing the door (Fig.1) and open the door.
3. Remove the ceramics in the reverse order to that described in the POSITIONING THE LOGS section.
4. Remove any deposition of dirt, lint etc carefully from the burner tray main injector and pilot assembly with a soft brush.
5. If necessary, to remove the burner firstly isolate the gas supply and disconnect. Disconnect the thermal switch underneath the gas valve. Remove the 4 screws securing the burner and carefully remove the burner. If removing the granular dispersal medium take care not to block the pilot assembly. (fig.6)
6. Replace the ceramics as described in POSITIONING THE LOGS section (Fig.3).
7. Close the stove door; replace the screw securing the door handle or door.
8. Check the supply pressure as described in the TECHNICAL INFORMATION section (P.3)
9. Ensure correct operation of the flue as described in CHECK FOR SPILLAGE section (P.9)

Fig.6



## Opus commissioning checklist

General information

Stove purchased from \_\_\_\_\_

Telephone number \_\_\_\_\_

Stove installed by \_\_\_\_\_

Telephone number \_\_\_\_\_

CPS registration with \_\_\_\_\_

(E.g. GAS SAFE) \_\_\_\_\_

CPS registration number \_\_\_\_\_

Installation date \_\_\_\_\_

Stove model \_\_\_\_\_

Physical checks	
Installation is in accordance with the design, including material specification, flue length and diameter	
The installation instructions have been followed	
There is no damage to any components	
Joints between the appliance and chimney and within the chimney system are secure and in good condition	
The separation of components from combustible materials conforms to this code of practice	
The appliance and chimney can be fully cleaned, once the installation is complete	
Components for weatherproofing are installed correctly	
Smoke spillage test has been carried out	
CO Alarm fitted and tested	

### Handover

At handover all user instructions should be given to the user and an explanation of the appliance operation and safety issues should be given. Additionally an explanation of the correct removal, relocation, and any sealing of the removable/hinged section of the chimney should be given and all safety issues explained.

Commissioning engineer's signature\* \_\_\_\_\_

\*By signing this you confirm that all commissioning checks above have passed, and that operation and maintenance of the appliance have been explained to the customer in full in line with this user manual

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