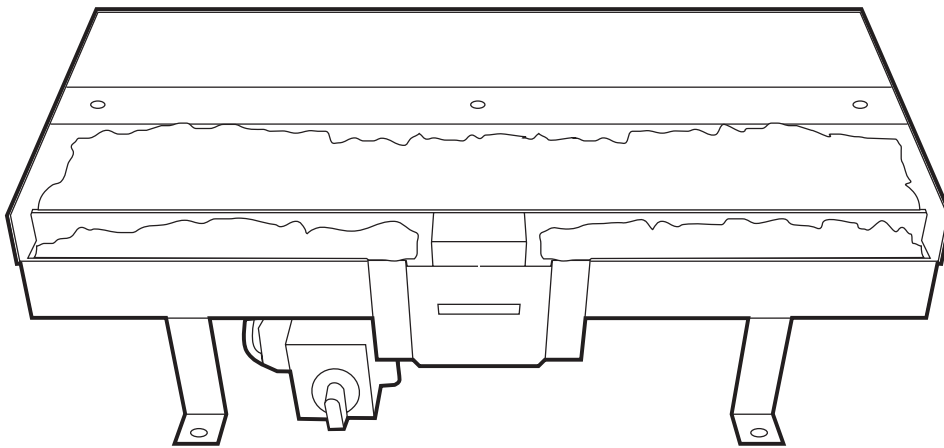


real flame
the hearth of australia



MAGIGLO® SERIES

INSTALLATION & OPERATING MANUAL

The Magiglo series of decorative fires are suitable to be installed into a masonry or approved prefabricated fireplace and are designed to operate with Natural and Propane gases only. Approval Number 6094.

VERSION 7

WARRANTY

Provided your Real Flame gas burner is installed in strict accordance with our installation instructions, the burner is unconditionally guaranteed for twelve months from date of purchase.

This unconditional warranty covers parts and labour at our discretion taking into consideration normal wear and tear and does not cover fires installed in outdoor settings.

INSTALLATION NOTICE

- The installation of this appliance is only to be carried out by an authorised person in accordance with the Manufacturer's Instructions, local gas fitting regulations, AG601 installation code for gas burning appliances and any other relevant statutory regulations.
- In all cases the installation of this appliance shall meet the requirements as set out in AS5601/AG601.

- NOTE: A slight smell may be apparent for the first few hours of use. This is due to the heat resistant paint curing. It is recommended to open windows in the room for the first lighting of the fire. In some instances a slight discolouration may occur inside the firebox. This is a normal condition and is not covered by warranty.

IMPORTANT SAFETY NOTICE

- DO NOT PLACE ARTICLES ON OR AGAINST THIS APPLIANCE.
- DO NOT USE OR STORE FLAMMABLE MATERIAL NEAR THE APPLIANCE.
- DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILST IT IS IN OPERATION.
- CARE MUST BE TAKEN TO ENSURE THAT ANY RETURN AIR REGISTER OR EXHAUST SYSTEM DOES NOT ADVERSLEY AFFECT THE OPERATION OF THE APPLIANCE OR DRAUGHT OF CHIMNEY OR FLUE.

VENTILATION REQUIREMENTS

Permanent ventilation of the room where the fire is to be situated is essential while fire is in operation. The room must have a minimum cross sectional area of 40,000sq mm of effective ventilation.

WARNING

This firebox has a naked flame, care should be taken when it is operating if children or the infirm are in close proximity. A safety screen is recommended if constant supervision is not possible.

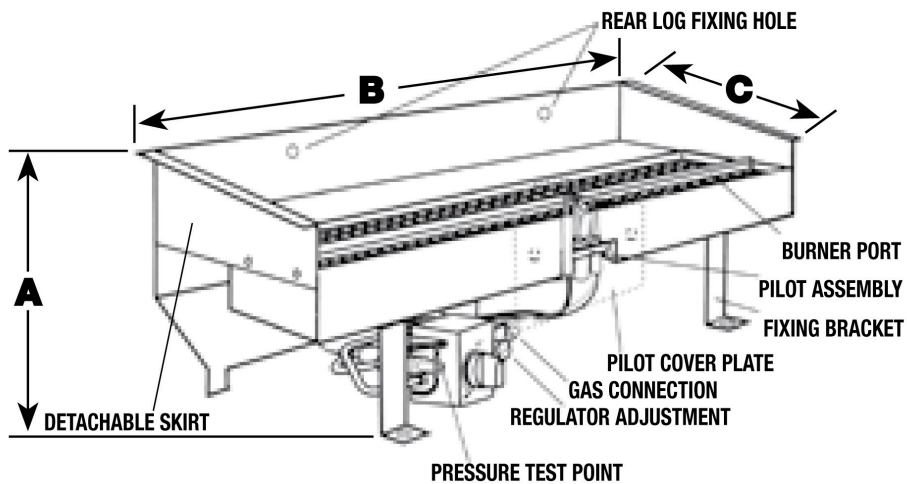
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DATA PLATE (Affixed to the base of the unit for reference to gas pressure & consumption)

Model	320		360		400		540		750	
	NG	LPG	NG	LPG	NG	LPG	NG	LPG	NG	LPG
Injector	2.4	1.2	2.5	1.3	2.4	1.3	2x2.2	2x1.1	2x2.5	2x1.2
MJ / HR	24	20	26	23	28	23	37	31	39	36
P.T.P.	0.8	2.7	0.8	2.7	0.8	2.7	0.8	2.6	0.64	2.55

DIMENSIONS



Model	320	360	400	540	750	DBL
A	165	165	165	150	150	150
B	320	360	400	540	750	540
C	120	120	210	210	210	280

All dimensions in mm. Measurements exclude skirt and control knob.

INSTALLATION INSTRUCTIONS

IMPORTANT

This product is fitted with an OXYGEN DEPLETION SYSTEM which is an INTEGRAL PART OF THE PILOT. You must maintain the correct pressure for the oxygen depletion system to operate correctly (see data plate on page 4).

When checking gas pressure at the appliance ALL OTHER GAS APPLIANCES IN PREMISES MUST BE OPERATING AT THE SAME TIME.

Failure to have correct pressure may result in unit cutting out intermittently.

TYPE OF INSTALLATIONS

TYPE 1. Magiglo Gas Log/Coal Set

Installed into masonry built fireplace intended to burn wood using the masonry chimney to remove waste products.

TYPE 2. Magiglo Gas Log/Coal Set

Installed in conjunction with a prefabricated firebox into an existing fireplace using the masonry chimney to remove waste products.

LOCATION REQUIREMENTS FOR TYPE 1 & 2 INSTALLATIONS

1. The fireplace must be built in accordance with the building regulations for masonry chimneys.
2. The fireplace must be sufficiently deep enough to fully accommodate either the Gas Log/Coal Set or a firebox fitted with a Gas Log/Coal Set in order that no fumes can escape into the room. DO NOT ignore the depth of the lintel over the fireplace opening.
3. It is imperative that the chimney or flue operates correctly and also does not subject the living area to spillage of combusted products. The flue or chimney should be tested and proven to have an adequate updraught sufficient to remove all waste products of combustion. (Refer to Commissioning Procedure).
4. Chimney dampers, baffles or restrictive plates must be removed or permanently fixed open.
5. An AGA approved flue cowl with a minimum cross sectional area of the following shall be fitted to every masonry chimney - 40,000sq mm (225mm dia).
6. If using a prefabricated firebox, the firebox must be sealed to the masonry or brickwork.
7. Permanent ventilation of the room where the fire is to be situated is essential while fire is in operation. The room must have a minimum cross sectional area of 40,000sq mm of effective ventilation.

BURNER INSTALLATION

1. Select the Magiglo series burner which best compliments your fireplace size.
2. Locate your gas fire into the rear of the fireplace or prefabricated fire box fixing to base or grate by location lugs on burner.
3. It is preferable for the gas line to be brought into the rear of fireplace, therefore concealing pipe work.
4. If installing the burner into an existing grate, remove that part of base of grate so that controls are on underside of grate.
5. Connect gas line to burner connection using 1/2" flared copper union supplied.

FOR YOUR SAFETY READ BEFORE LIGHTING

- The appliance has a pilot which must be lit using the piezo ignition, when lighting the pilot follow the instructions exactly.
- Before lighting the appliance check for gas leaks.
- Use only your hand to push in and turn the gas control knob, never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempt to repair may result in a fire or explosion.
- If the controls have been underwater, immediately call a qualified service technician to inspect the appliance and replace any part of the control system and fan that has been immersed in water.

LIGHTING INSTRUCTIONS

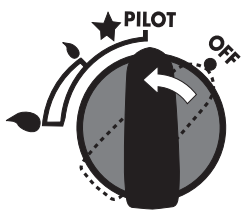


Figure 1

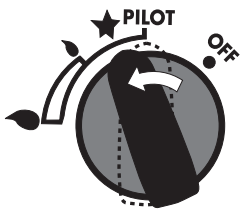


Figure 2

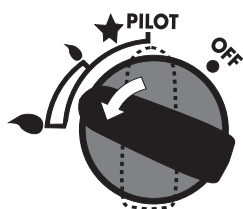


Figure 3

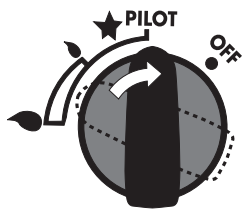


Figure 4

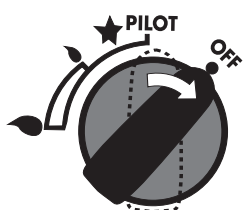


Figure 5

1. To light the pilot, press in and turn the gas control knob anticlockwise to the pilot position.
2. Keep knob depressed and turn the knob anticlockwise toward the ★ until you hear a click. If the pilot lights, continue to depress knob for 20 seconds and release. If pilot goes out repeat the procedure.
3. To light the burner, turn the control knob to the flame setting. The burner can be set anywhere between low and high flame.
4. To turn the burner off, turn the control knob clockwise to the "PILOT" position. This will leave the pilot burning.
5. To turn off the burner and the pilot, turn the knob clockwise to the "OFF" position.

If you are unable to get the appliance to operate correctly, contact either your sales agent or the manufacturer (see contact details on back cover).

Test operation of appliance and fully instruct user before leaving.

Note: Check gas pressure. Refer to Data Plate on page 4 for details.

TO TURN OFF GAS TO APPLIANCE

Push in gas control knob slightly and turn to the "OFF" position.

COMMISSIONING PROCEDURE

Once the fire is installed and operational the installer must check for spillage. Carry out the lighting procedure and turn the fire to high. Allow to warm up for 10 minutes and then using a smoke match set 25mm down and 25mm inside of the fire opening run the match across the width of the opening to check that all of the smoke is drawn away.

Repeat the test with doors and windows to the premises open and closed, and with any extractor fans in the same room or adjacent rooms running on high. The fire should continue to clear its combustion products. Also operate any other flued appliances in the same or neighbouring rooms and ensure they continue to function satisfactorily as multiple flues can work against one another.

If spillage is detected during this procedure it could indicate a faulty flue or lack of ventilation. If the problem cannot be rectified immediately, disconnect the appliance, and advise the customer not to use the appliance until the problem has been resolved.

The customer should always be advised of the need for regular servicing and checks to ensure the continued clearance of combustion waste products.

NOTE: Care must be taken to ensure that any return air register exhaust system does not adversely affect the operation of the appliance or draught of chimney or flue.

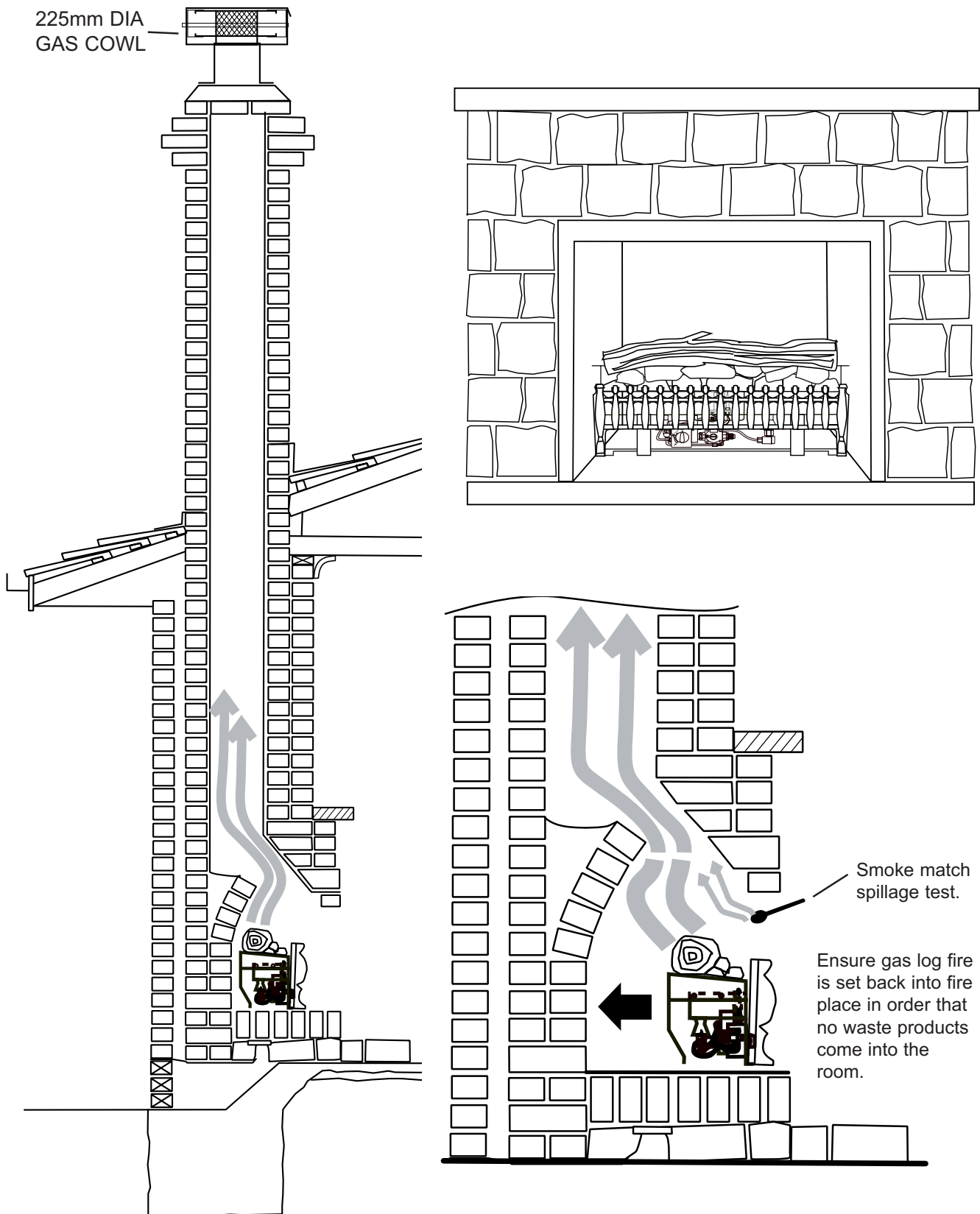
WARNING

“DO NOT place articles on or against this appliance.”

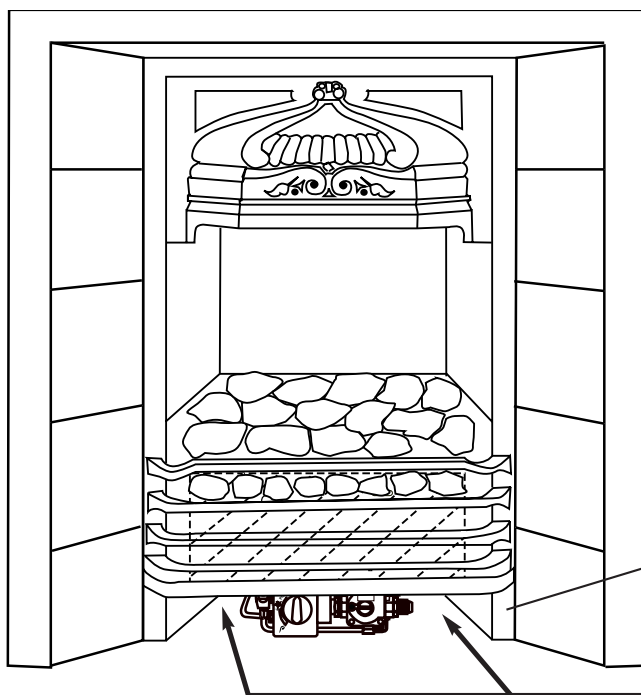
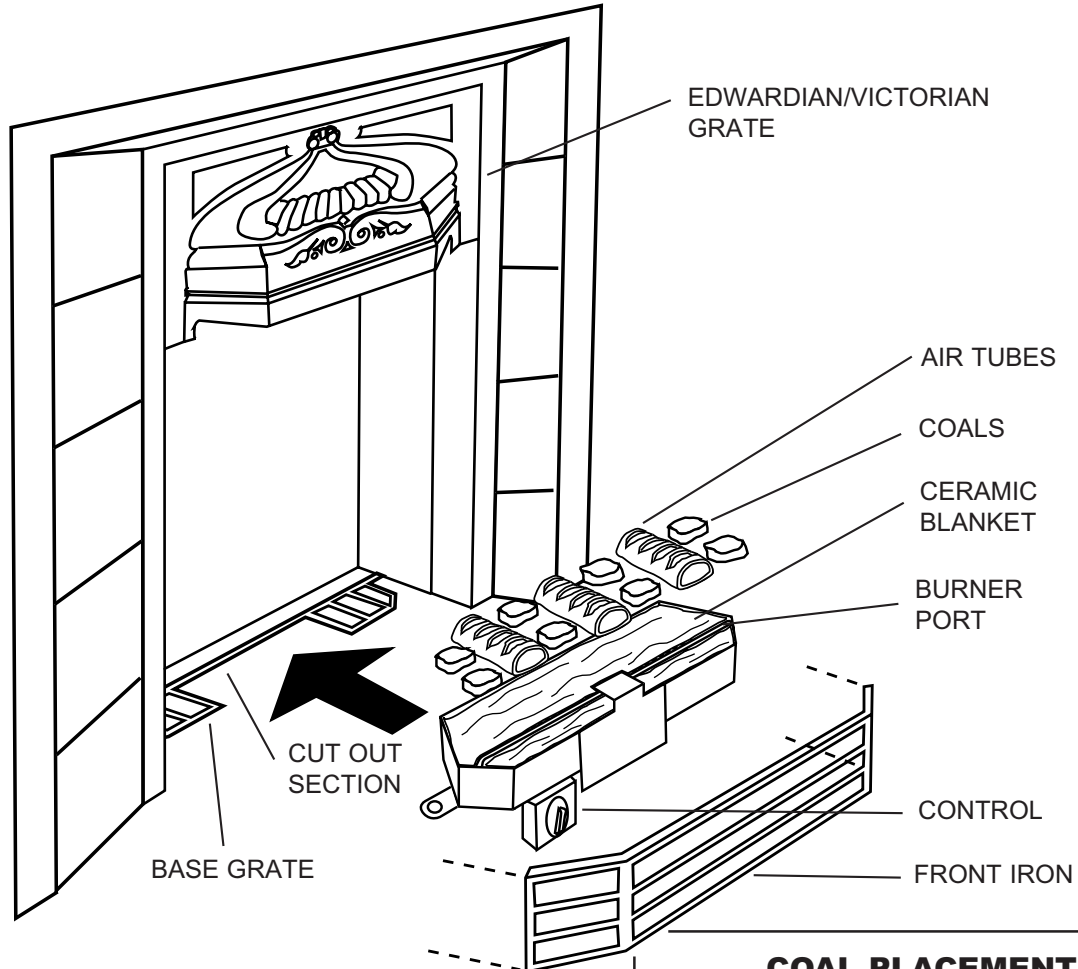
“DO NOT use or store flammable materials near this appliance.”

“DO NOT spray aerosols in the vicinity of this appliance while it is in operation.”

TYPICAL TYPE 1 INSTALLATION TO EXISTING CHIMNEY

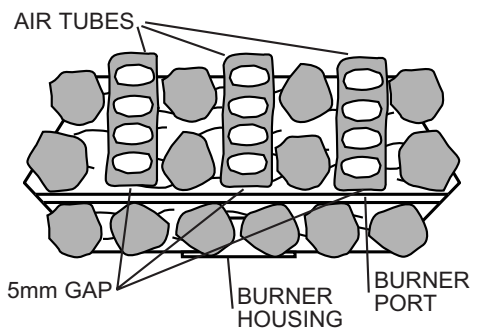


TYPE 1 INSTALLATION INTO VICTORIAN/FEDERATION GRATE



COAL PLACEMENT

Place Air Tubes 5mm behind Burner Port and space evenly. (cut to size if too long).



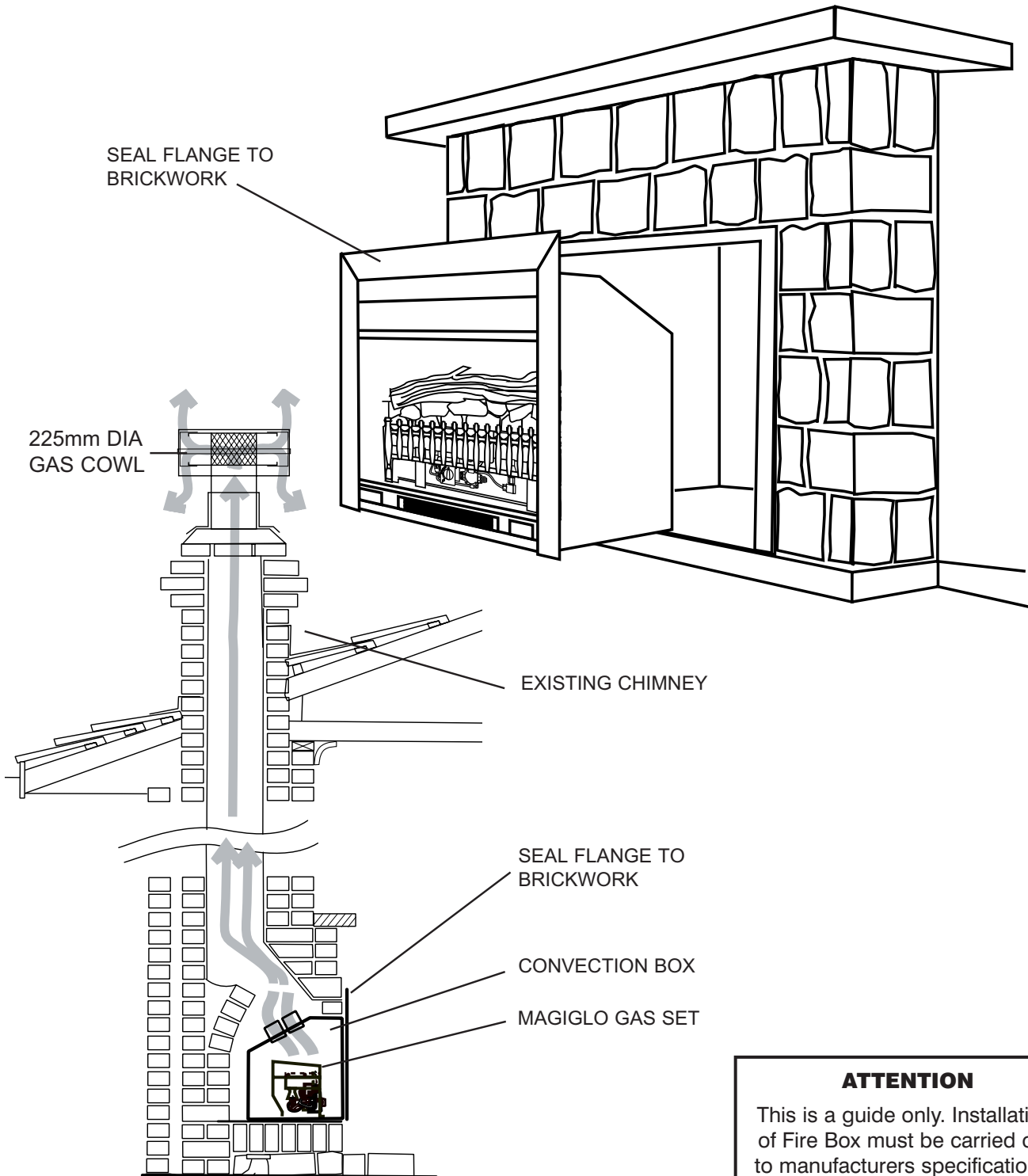
Place base layer of coals as above and randomly stack remainder allowing for gaps.

CONTROLS ON UNDER SIDE OF BASE GRATE

IMPORTANT:
ALL AIR GAPS ON THE
UNDERSIDE OF THE BASE GRATE
MUST BE SEALED

TYPICAL TYPE 2 INSTALLATION OF PREFABRICATED FIRE BOX INTO EXISTING CHIMNEY

FOR INSTALLATION OF FIRE BOX REFER TO MANUFACTURER'S SPECIFICATIONS.



USER INSTRUCTIONS

1. Your Magiglo Gas Log/Coal Set will have been installed by an authorised person in accordance with the Installation and Service Instructions. If you are technically minded you will increase your knowledge of your fire by reading through these Instructions
2. Initially your Magiglo may burn with a slightly blue flame which part of the protective coating on the coal and logs burn off. A slight smell may also be apparent at this stage. After an hour or so the fire will have settled down and will therefore burn with a yellow flame producing a little soot. The soot deposit enhances the real effect and is exactly the same as an authentic fire.
3. As with all gas appliances, your Magiglo should be regularly serviced. We would recommend once each year. The name and address of your service technician can be obtained from your Real Flame stockist. The routine to be followed by the engineer can be found under Service Instructions; contained within this leaflet.
4. For safe operation of your Magiglo the following annual checks should be carried out.
 - Confirm that the chimney remains clear and unobstructed and there has not been a build-up of soot which would necessitate the chimney being swept.
 - Confirm that the room ventilation remains adequate and that all vents are free of obstruction.

TROUBLESHOOTING

Symptom	Corrective Action
Pilot won't light	<ol style="list-style-type: none"> 1. Pressure too low. Set to correct pressure. 2. Check for spark at electrode if none, check lead connection. If not solved replace electrode.
Pilot lights but does not stay on.	Light pilot and keep knob depressed for 30 seconds before releasing. If pilot does not stay on, replace thermocouple.
Main flame goes out or very little flame.	<ol style="list-style-type: none"> 1. Check for correct pressure. 2. Check for faulty thermocouple. 3. Excessive draught can cause flame to extinguish.

WARNING

Magiglo burn with a real flame which should be treated with same respect as any naked flame. A fireguard should be used for the protection of children and the elderly.

CONVERSION DETAILS

PROPANE TO NATURAL GAS

Parts Required

	Description	PART No.
1	3/8" male x 1/2" male Hex Nipple	05
2	1/2" SC-75 Regulator	02
3	1/2" male x 1/2" Copper Union	04
4	Natural gas Oxy Pilot Assembly	03N
5	Natural gas Main Burner Injector (Refer to data plate for correct size)	010

Procedure

1. Remove connection fitting from control valve and replace with 3/8" male x 1/2" male hex nipple.
2. Fit regulator to hex nipple.
3. Fit 1/2" male x 1/2" copper union regulator.
4. Remove pilot assembly cover and remove pilot assembly disconnecting thermocouple pilot tube and electrode lead and replace with natural gas pilot assembly and reconnect.
5. Remove main burner injector by loosening grub screw in boss and removing injector stem holder from boss and change to correct size natural gas injector.

NATURAL GAS TO PROPANE

Parts Required

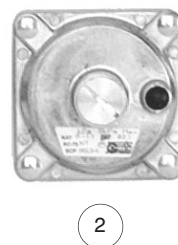
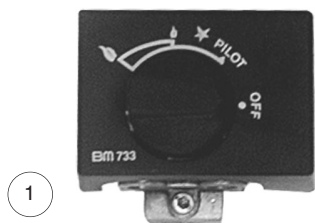
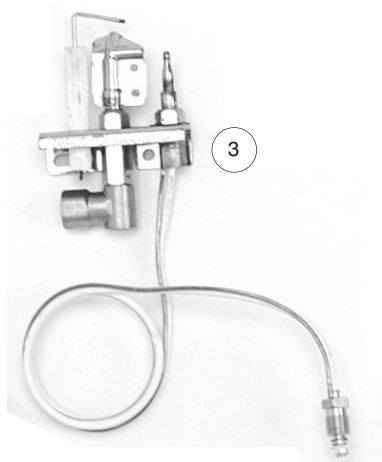
	Description	PART No.
1	3/8" male x 1/2" Copper Union	-
2.	LPG Oxy Pilot Assembly	03P
3.	Main Burner Injector (Refer to data plate for correct size)	010

Procedure

1. Remove regulator complete with 1/2" connection and 3/8" x 1/2" hex nipple from control valve.
2. Fit 3/8" male x 1/2" copper union directly into control valve.
3. Remove pilot cover and pilot assembly disconnecting thermocouple, pilot tube and electrode lead and replace with L.P.G. pilot assembly and reconnect.
4. Remove main burner injector by loosening grub screw in boss and removing injector stem holder from boss and change to correct size L.P.G. injector.

PARTS LIST

PART No.	DESCRIPTION	PART No.	
01	BM 733 Control Valve	05	1/2" to 3/8" Hex Nipple
02	Regulator SC-75	06	5/16" 90O Union Elbow
03N	S.I.T. ODS Pilot Assembly (Natural Gas)	07	1/4" Nut and Olive
03P	S.I.T. ODS Pilot Assembly (Propane Gas)	08	Injector Holder Stem
04	1/2" Male to 1/2" Copper Union	09	Injector



LOG AND COAL SETS





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